

RECEIVED
DEC 20 2006
WAUSAU DNR

PHASE II SITE INVESTIGATION

**UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 4TH STREET
WAUSAU, WISCONSIN
WDNR BRRTS # 02-37-548031**

REI #4322

PREPARED FOR:

**City of Wausau
Attn: Mr. Dave Erickson
407 Grant Street
Wausau, WI 54401
(715) 261-6536**

PREPARED BY:

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

December 2006

PHASE II SITE INVESTIGATION

**UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 4TH STREET
WAUSAU, WISCONSIN
WDNR BRRTS # 02-37-548031**

REI #4322

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied.

"I, Matthew W. Rahn, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Matthew W. Rahn

Environmental Scientist

12/19/06
Date

"I, Andrew R. Delforge, hereby certify that I am a registered Professional Geologist in the State of Wisconsin as defined in the Wisconsin Statutes Chapter 470.01. I am also a hydrogeologist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

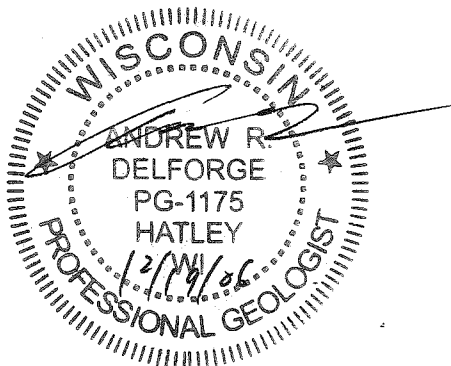


TABLE OF CONTENTS

- 1.0 Introduction
 - 1.1 Purpose
- 2.0 Background Information
 - 2.1 Site Location and Description
 - 2.2 Summary of Environmental Investigation Activities
- 3.0 Method of Investigation
- 4.0 Summary of Field Investigation Results
 - 4.1 Regional Geology and Hydrogeology
 - 4.2 Site Specific Geology and Hydrogeology
 - 4.3 Nature and Extent of Soil Contamination
 - 4.4 Nature and Extent of Groundwater Contamination
 - 4.5 Contaminated Soil Hazard Determination
- 5.0 Conclusion and Recommendations
- 6.0 Remedial Alternatives
- 7.0 References

LIST OF TABLES

- | | |
|-------------|---|
| Table 1 | Summary of Soil Analytical Results |
| Table 2a-2e | Summary of Groundwater Analytical Results |
| Table 3 | Groundwater Elevation Summary |

LIST OF FIGURES

- | | |
|----------|---------------------------------|
| Figure 1 | Site Vicinity Map |
| Figure 2 | Site Map |
| Figure 3 | Groundwater Flow Map (11/21/06) |

LIST OF APPENDICES

- Appendix A Methods and Procedures
- Appendix B Soil Boring Logs (WDNR Form 4400-122)
- Appendix C Borehole Abandonment Forms (WDNR Form 3300-5W)
- Appendix D Soil and Groundwater Laboratory Analytical Results
- Appendix E Soil Hazard Determination and Human Health Evaluation

PHASE II SITE INVESTIGATION

UNDEVELOPED ROSEMURGY PROPERTY

218 SOUTH 4TH STREET

WAUSAU, WISCONSIN

WDNR BRRTS #02-37-548031

REI #4322

1.0 INTRODUCTION

1.1 Purpose

REI Engineering, Inc. (REI) has been retained by the City of Wausau to prepare a Phase II Site Investigation Report on behalf of Mr. Bob Rosemurgy for the Rosemurgy Motors property located at 218 South 4th Street, Wausau, Wisconsin.

2.0 BACKGROUND INFORMATION

2.1 Site Location and Description

The site is located in Government lot 1 of Section 36, Township 29 N, Range 7 E, City of Wausau, Marathon County, Wisconsin (Figure 1). The site address is 218 south 4th Street, Wausau, Wisconsin 54401. The subject parcel is approximately 1.03 acres in size. A site map is presented on Figure 2. The land use on adjacent properties is as follows:

- North: Commercial Property (Former Rosemurgy Motors Showroom).
- South: Vacant land (Bocaner Property BRRTS # 02-37-547992).
- East: South 4th Street with commercial property beyond
- West: Vacant land (Bocaner Property BRRTS # 02-37-547992).

Past land uses of the subject parcel include residential, livestock sales, auto parking, postal service and an automobile dealership. Records describing these land uses date from 1879 to present. The presence of a gasoline tank in the 1923-1953 Sanborn Fire Insurance Map, along with the potential automobile repair activities and adjacent land uses (junk storage and reclamation which included automobiles and batteries) are likely contributors to the on site soil

contamination. However, the exact source of the PAH, PCE and PCB contamination cannot be determined.

Figure 2 shows the locations of all Geoprobe borings (GP), hollow stem auger borings (HSA) and monitoring wells (MW) described in this report. The site is relatively level with the majority of the property surface being covered with gravel. A steep slope occurs along the northern property boundaries.

2.2 Summary of Environmental Investigation Activities

May 18, 2006	Maxim Technologies / Tetra Tech, Inc. on site to install 10 Geoprobe soil borings.
July 11, 2006	REI on site to install one (1) monitoring well as part of another investigation.
July 13, 2006	REI on site to develop and sample MW-3.
October 2, 2006	REI on site to sample MW-3.
November 21, 2006	REI on site to install, develop and sample MW-5 along with installing four (4) HSA borings.

3.0 METHOD OF INVESTIGATION

Soil boring sampling methods and procedures are presented in Appendix A. Soil boring logs (WDNR Form 4400-122) are included in Appendix B. The Borehole Abandonment Forms (WDNR Form 3300-5W) are included in Appendix C. Soil borings locations are shown on Figure 2.

4.0 SUMMARY OF FIELD INVESTIGATION RESULTS

4.1 Regional Geology and Hydrogeology

The site is located in the glaciated area of Central Wisconsin and is part of the Central Wisconsin River Basin. Land surface elevations in the area are about $1,193 \pm 5$ feet above Mean Sea Level (MSL) according to the U.S.G.S. Wausau West, WI 7.5 minute quadrangle map. A steep incline in land surface elevations occurs along the northern property boundary towards the Former Rosemurgy Motors showroom property (Figure 1). The Wisconsin River flows south and is the primary drainage feature for the site and surrounding area.

The geology and water resources of the basin as described by Devaul and Green (1971), indicate that surficial geology consists of unpitted glacial outwash deposits. These deposits are typically stratified sands and gravel with some silts and clays. The bedrock in the area consists of Precambrian crystalline rock. The depth to bedrock is anticipated at being less than 50 feet bls (Trotta and Cotter, 1973).

Soil permeabilities for the surficial sands are 2.5 to 5.0 inches per hour. The average annual precipitation in the area is about 30.9 inches. The typical evapotranspiration rate is about 20 inches per year, leaving about 10.9 inches per year for both groundwater recharge and surface runoff Devaul and Green (1971). The groundwater recharge rate will be assumed to be the NR 720.09(3) default rate of 10.0 inches per year.

4.2 Site Specific Geology and Hydrogeology

Analysis of the soil from the nine (9) soil borings indicate site geology consists of a fine to medium grained sand with silt and trace gravel. Figure 2 shows the locations of the nine (9) hollow stem auger borings installed during the site investigation.

Depths to groundwater at the site are approximately 8 feet bls. The direction of groundwater flow, based on groundwater flow data, is southwest with natural discharge to the Wisconsin River.

The reported hydraulic conductivity of the Wausau Aquifer ranges from approximately 1 ft/day to 100 ft/day (Kendy and Bradbury, 1988). The typical porosity of the Wausau Aquifer is approximately 35 percent (Kendy and Bradbury, 1988). Groundwater and contaminant velocities will be relatively high based on hydraulic conductivity and porosity values. Kendy and Bradbury (1988, p. 26) estimated the typical groundwater velocity in the Rothschild area at 90 ft/yr. The Rothschild area also is underlain by the Wausau Aquifer and the groundwater velocities should be similar. Contamination in groundwater will move more slowly than the water itself, depending on the retardation factor of each contaminant.

4.3 Nature and Extent of Soil Contamination

Soil contamination as defined in NR 718.03(4) "means soil which has one or more hazardous substances or environmental pollution and which is not hazardous waste as defined in s. NR 600.03(87) or USC 6901-6991, as amended". Soil contamination is confined to discharges of a hazardous substance, or where environmental pollution exists within unsaturated organic material, derived from vegetation and unsaturated, loose, incoherent rock material, of any origin, resting on bedrock.

Analytical results from these samples indicate that soils at the Undeveloped Rosemurgy Property site are contaminated with Tetrachloroethene (PCE), Trichloroethene (TCE) and Polychlorinated biphenyls (PCB's), metal and Polynuclear Aromatic Hydrocarbon (PAH) compounds (Table 1a-b). Analytical results from nearly every boring location reported detectable contaminant concentrations. Only SB-6 showed levels of PCB's above the laboratory detection limit. The complete soil analytical results for the samples are presented in Appendix D.

The extent of the soil contamination extends off site on to the Bocaner Property (BRRTS # 02-37-547992). Soil contamination was reported in the shallow soils, and at depth. Analytical results from the soil sample collected at SB-5, from 4 feet below land surface (bls), reported a PCE concentration of 3,020 $\mu\text{g}/\text{kg}$. The sample from MW-5 from 8-10 feet bls soils were impacted with PCE. The PCE contamination appears to be confined to the area surrounding MW-5 and SB-5.

The horizontal extent of soil contamination has been defined to the extent practical. Further definition of the soil contamination to the north is not feasible due to the presence of the steep slope, which was also observed to contain various large pieces of debris consisting mainly of concrete.

4.4 Nature and Extent of Groundwater Contamination

Groundwater samples were collected from MW-3 on two (2) occasions and MW-5 once. Depth to groundwater has been determined to be approximately 8 feet bls. The calculated groundwater flow direction is southwesterly.

Both groundwater samples collected from MW-3 reported concentrations for PAH and metals below the PAL for all analyzed parameters. The one groundwater sample collected from MW-5 exceeded the PAL for Benzene, Benzo (b) fluoranthene, Arsenic and Barium.

Potential improper handling of parts cleaner/degreaser liquids, known to contain Tetrachloroethene (PCE), may be the source for the PCE impacted soil. The volume of PCE released to the environment has not been observed in the on site monitoring wells, but concentrations of PCE above the PAL have been observed in MW-1 located downgradient on the adjacent Bocaner Property.

4.5 Contaminated Soil Hazard Determination

REI has determined that a release of both tetrachloroethene, PAH's and PCB's has occurred on the property. The State of Wisconsin recognizes the U.S. Environmental Protection Agency (EPA) soil screening guidance in determining the potential threat of the reported contamination. The soil screening level for tetrachloroethene is calculated 2.1 ppb. The maximum reported concentration at the Rosemurgy Motors Property was 3,020 ppb (Maxim Boring SB-5 @ 4').

REI has also completed the calculations to determine if the reported soil contamination is a hazardous waste. Soil sample SB-5 @ 4', the soil sample with the highest detectable PCE concentration, collected at 4 feet below grade reported a combined halogenated chlorinated concentration of 3.18 ppm, which is below the 10,000 ppm threshold and can be remediated ex-situ and handled as a "contained-out" waste thus allowing the soil to be handled as a solid waste under Wisconsin Administrative Code NR 718. Unless subsequent soil sample results report a combined halogenated chlorinated concentration in excess of 10,000 ppm, the soil should be handled as a solid waste. The complete soil hazard determination and human health evaluation has been completed and is presented in Appendix E.

5.0 CONCLUSION AND RECOMMENDATIONS

Within the scope of work completed for this Phase II Site Investigation Report laboratory analytical results document that a release of chlorinated compounds and PAH's has occurred on the subject property. The chlorinated release has impacted the shallow soils in the vicinity of

SB-5 and at depth near SB-6. The highest PAH concentrations were observed near MW-3 with a significant decrease in concentrations with depth. The depth to groundwater at the site is approximately 8 feet bls. Both groundwater samples collected from MW-3 reported concentrations for PAH and metals below the PAL for all analyzed parameters. The one groundwater sample collected from MW-5 exceeded the PAL for Benzene, Benzo (b) fluoranthene, Arsenic and Barium.

REI has determined that a release of both tetrachloroethene and trichloroethylene has occurred on the property. The State of Wisconsin recognizes the EPA soil screening guidance in determining the potential threat of the documented contamination. The soil screening level for tetrachloroethene is 2.1 ppb. The maximum reported concentration at the Former Rosemurgy Motors Property was 3,020 ppb.

REI is recommending the over excavation of PCE and TCE impacted soils in conjunction with site redevelopment activities. The most highly impacted PAH contaminated soils surrounding MW-3 should also be excavated and properly disposed of.

6.0 REMEDIAL ALTERNATIVES

Remedial alternatives for this site are limited. A total of three (3) remedial alternatives were reviewed to address the VOC and PAH soil contamination. Due to the relatively low concentrations and limited extent of PCB contamination, any material impacted with PCB's will be left in place. The three (3) alternatives investigated and their feasibility are as follows:

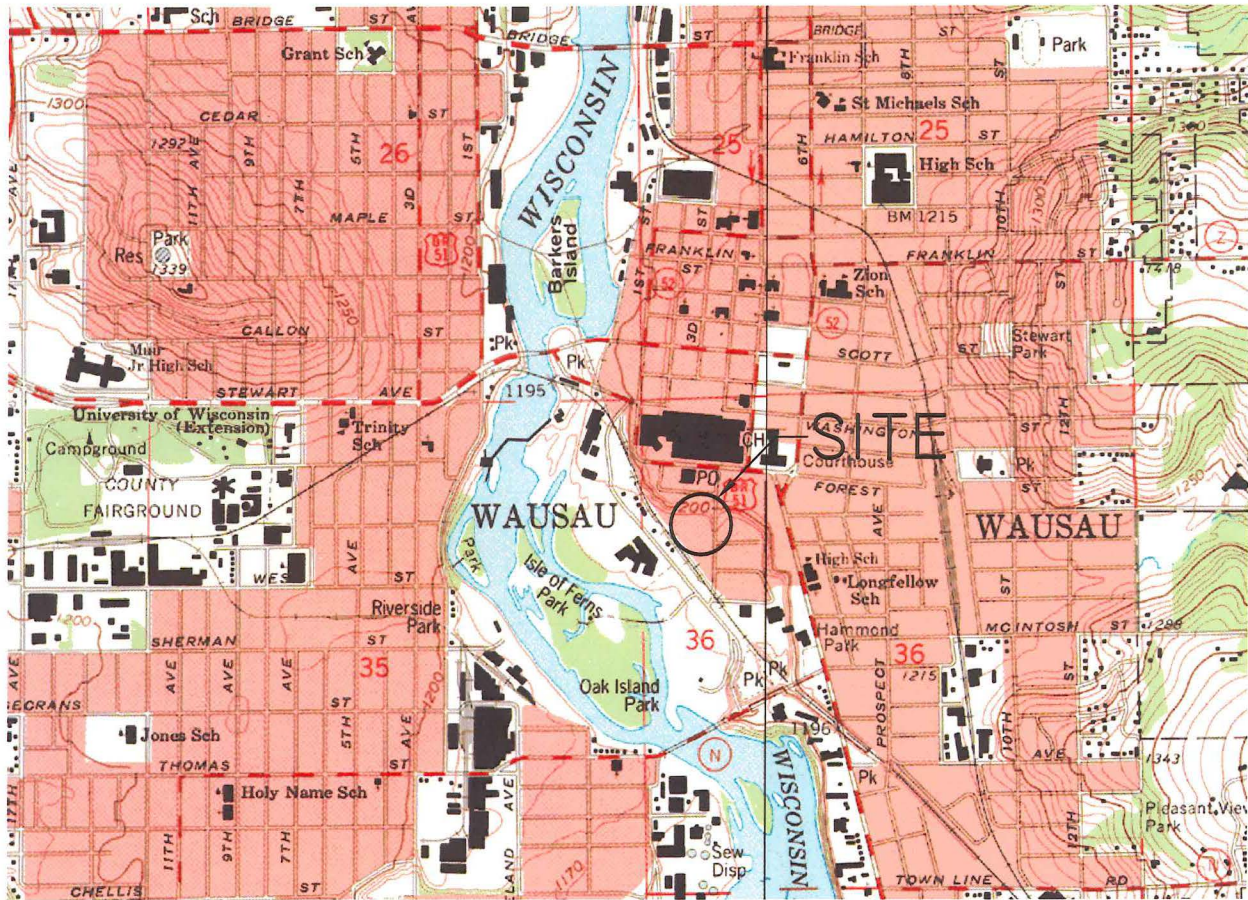
- 1) *Leave the existing gravel parking lot in place.* This option is not practical or protective of human health due to the shallow nature of the contamination, the possibility for direct contact conditions upon redevelopment is a possibility if contaminated soils are left in place.
- 2) *Excavate VOC and PAH contaminated soil.* This option is the most economically feasible along with protecting human health. This option also yields the most timely and cost effective path to closure. Upon completion of the soil excavation, confirmatory soil samples could be collected. The site subsequently could be

submitted for closure with a GIS registry for any remaining soil contamination following the removal of the majority of the impacted soil.

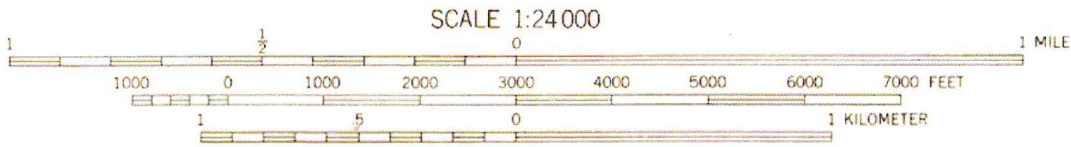
- 3) *Install and operate a Soil Vapor Extraction System.* This would easily be the remedial option exhibiting the highest cost and length of time to closure. System design, installation and monthly operation and maintenance costs make this option economically unfeasible.

7.0 REFERENCES

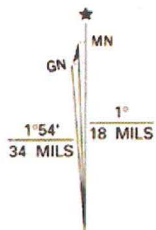
- Devaul, R.W. and Green, J.H., 1971, Water Resources of Wisconsin, Central Wisconsin River Basin, U.S. Geologic Survey Hydrologic Investigations Atlas HA-367, Washington, D.C.
- Kendy, E. and K. R. Bradbury, 1988, Hydrogeology of the Wisconsin River Valley in Marathon County, Wisconsin, Wisconsin Geological and Natural History Survey Information Circular 64, 66p.
- Montgomery, J. H. and Welkom, L. M., 1990, Groundwater Chemicals Desk Reference, Lewis Publishers, Chelsea, 640 pp.
- Schroeder, P.R., Dozier, T.S., Zappi, P.A., McEnroe, B.M., Sjostrom, J.W., and Peyton, R.L., 1994, The Hydrologic Evaluation of Landfill Performance (HELP) Model, Engineering Documentation for Version 3, EPA/600/R-94/168a, U.S. Environmental Protection Agency Risk Reduction Engineering Laboratory, Cincinnati, Ohio
- Trotta, L.C., and Cotter, R.D., 1973, Depth to Bedrock in Wisconsin, University of Wisconsin - Extension Geological and Natural History Survey, Madison, Wisconsin.
- US EPA, 1996, Soil Screening Guidance. Technical Background Document. Office of Solid Waste and Emergency Response. United States Environmental Protection Agency, EPA/540/R-95/128
- Terracon, January 28, 2002, Phase I Environmental Site Assessment, EPA Brownfields Assessment Demonstration Pilot, Downtown River Corridor Project, Bocaner Property, Wausau Site #39, 310 Plumer Street, Wausau, Marathon County, Wisconsin.



DRAWING FILE: J:\DRAFTING\4322-ROSEMURGY\DWG\PLANS\4322-VICINITY.DWG LAYOUT: MODEL PLOTTED: DEC 18, 2006 - 1:12PM PLOTTED BY: MIKEH



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929



UTM GRID AND 1993 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

WAUSAU WEST, WIS.

NW/4 WAUSAU 15' QUADRANGLE
 44089-H6-TF-024

1993

DMA 3073 1 NW - SERIES V861



QUADRANGLE LOCATION

REI Engineering, INC.

UNDEVELOPED ROSEMURGY PROPERTY
 218 S. 4TH STREET
 WAUSAU, WI

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	4322	DRAWN BY:	MAH	DATE:	12/15/06
-------------	------	-----------	-----	-------	----------

DRAWING FILE: J:\DRAFTING\4313B\CANER\DWG\4313-BASE.DWG LAYOUT: LAYOUT1 PLOTTED: DEC 18, 2006 - 1:14PM PLOTTED BY: MIKEH



LEGEND

0 100
SCALE: 1" = 100'

- ABANDONED WELL
- MAXIM BORING LOCATION
- BORING LOCATION
- REI BORING LOCATION
- LIGHT POLE
- OVERHEAD UTILITIES LINE
- UNDERGROUND ELECTRICAL LINE
- GAS LINE
- SANITARY SEWER LINE
- WATER LINE

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVE
WAUSAU, WI

FIGURE 2 : SITE MAP

PROJECT No. 4313	DRAWN BY: MAH	DATE: 12/12/06
---------------------	------------------	-------------------

INFORMATION PROVIDED BY TERRACON & MAXIM TECHNOLOGIES

REI Engineering, INC.

DRAWING FILE: J:\DRAFTING\4313B\CANER\DWG\4322-GW112106.DWG LAYOUT: LAYOUT1 PLOTTED: DEC 18, 2006 - 1:18PM PLOTTED BY: MIKEH



LEGEND

0 100
SCALE: 1" = 100'

- ABANDONED WELL
- MAXIM BORING LOCATION
- BORING LOCATION
- REI BORING LOCATION
- LIGHT POLE
- OH - OVERHEAD UTILITIES LINE
- E - UNDERGROUND ELECTRICAL LINE
- G - GAS LINE
- SAN - SANITARY SEWER LINE
- W - WATER LINE
- GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW DIRECTION

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVE
WAUSAU, WI

FIGURE 3 : GROUNDWATER FLOW MAP (11/21/06)

PROJECT No. 4313	DRAWN BY: MAH	DATE: 12/12/06
---------------------	------------------	-------------------

INFORMATION PROVIDED BY TERRACON & MAXIM TECHNOLOGIES

REI Engineering, INC.

**TABLE 1
PHASE II ENVIRONMENTAL SITE ASSESSMENT SOIL ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH STREET
WAUSAU, WI**

Date-->	7/11/06	7/11/06	11/21/06	11/21/06	11/21/06	11/21/06	11/21/06	11/21/06	11/21/06		
Sample-->	MW-3	MW-3	MW-5	MW-5	SB-4A	SB-4B	SB-4B	SB-6A	SB-7A		
Sample Depth--(Feet)-->	7.5-9.5'	12.5-14.5'	2-4'	8-10'	2-4'	0-2'	6-8'	2-4'	0-2'		
Sampler-->	MR	MR	JS	JS	JS	JS	JS	JS	JS		
Detected VOC's (ug/kg)	RCL										
Benzene	5.5		88	<25	<18	52	<17	<16	<17	<18	<17
Ethylbenzene	2,900		230	<25	<20	109	39	<18	<19	<20	<19
Toluene	1,500		290	46	<19	145	<18	<17	<18	<19	<18
Xylenes (Total)	4,100		1540	<50	74	338	164	51	<23	<24	<23
Methyl tert Butyl Ether	NS		<25	<25	<12	<12	<12	<11	<12	<12	<12
1,2,4-Trimethylbenzene	NS		540	<25	<14	312	44	<13	<14	<15	<14
1,3,5-Trimethylbenzene	NS		220	<25	<20	<19	<19	<18	<19	<20	<19
Naphthalene	400		220	<25	<20	256	<19	<18	<19	<20	<19
Isopropylbenzene	NS		59	<25	<19	<18	<18	<17	<18	<19	<18
n-Propylbenzene	NS		82	<25	<23	99	<22	<21	<23	<24	<23
p-Isopropyltoluene	NS		92	<25	<26	<26	<26	<24	<26	<27	<26
s-Butylbenzene	NS		42	<25	<23	<22	<22	<21	<23	<24	<23
Tetrachloroethene	NS		<25	<25	<25	37	<25	<23	<25	<26	<25
Trichloroethene	NS		<25	<25	<25	<25	<25	<23	<25	<26	<25
PAH's (ug/kg)	GW	DC									
1-Methyl Naphthalene	23,000	1,100,000	260	4.2	<43.2	<25	<43.1	<3.9	<4.1	<4.0	<38.8
2-Methyl Naphthalene	20,000	600,000	330	6.3	<47.9	<27.7	<47.7	<4.3	<4.5	<4.5	<43.0
Acenaphthene	38,000	900,000	160	9.7	<54.9	<31.8	<54.7	<4.9	<5.1	<5.1	<49.3
Acenaphthylene	700	18,000	230	<3.8	<77.1	<44.7	<76.8	<6.9	<7.2	<7.2	<69.3
Anthracene	3,000,000	5,000,000	620	54	<37.4	<21.7	166	<3.4	<3.5	22.4	<33.6
Benzo (a) Anthracene	17,000	8.8	1700	140	246	<27.7	614	16.5	26.8	62.6	134
Benzo (a) Pyrene	48,000	8.8	2100	130	357	<15.6	<26.8	39.4	56.4	83.9	222
Benzo (b) Fluoranthene	360,000	88	2000	130	385	355	608	34.0	49.8	85.5	220
Benzo (g,h,i) Perylene	6,800,000	1,800	1100	73	300	255	437	42.4	56.9	72.8	190
Benzo (k) Fluoranthene	870,000	880	1900	110	186	182	271	16.7	25.0	35.0	104
Chrysene	37,000	8,800	2200	160	431	631	725	31.0	48.6	91.7	207
Dibenzo (a,h) Anthracene	38,000	8.8	340	22	<31.5	<18.3	<31.4	<2.8	<3.0	<2.9	<28.3
Fluoranthene	500,000	600,000	4500	370	1300	<17.6	1690	54.0	146	213	746
Fluorene	100,000	600,000	280	12	<38.6	<22.3	<38.4	<3.5	<3.6	6.3	<115
Ideno (1,2,3-cd) Pyrene	680,000	88	880	66	241	157	329	32.2	43.6	53.5	168
Naphthalene	400	20,000	310	11	<53.7	64.5	<53.6	<4.8	<5.0	<5.0	<157
Phenanthrene	1,800	18,000	2400	150	508	815	1020	12.0	18.6	69.2	150
Pyrene	8,700,000	500,000	3700	280	341	<19.1	309	35.5	65.9	71.6	321
Metals (mg/kg)											
Arsenic	0.039		150	3.5	5.22	20.6	3.36	3.84	2.52	3.12	1.96
Barium	NS		390	61	314	391	94.5	56.6	86.9	<0.109	<0.105
Cadmium	8		23	1.3	0.911	19.1	0.631	<0.593	<0.062	0.169	0.0991
Chromium	16,000		60	20	15.9	52.4	12.7	4.95	3.55	5.82	7.83
Lead	50		1200	110	652	1660	112	9.23	11.6	26.3	8.21
Mercury	NS		2.1	0.099	0.131	2.99	0.128	<0.033	<0.033	<0.037	<0.030
Selenium	NS		<9.1	<1.1	<0.700	1.1	<0.697	<0.627	<0.656	<0.654	<0.629
Silver	NS		0.90	<0.32	1.04	1.26	<0.233	<0.209	<0.219	<0.218	<0.210

Notes:

- RCL - NR 720 Soil Residual Contaminant Level
- RCL for PAHs = "Suggested" Groundwater Pathway Standard
- < - Concentration below listed laboratory detection limit
- RCL exceedences are bold
- PVOCs - Petroleum Volatile Organic Compounds
- PAHs - Polynuclear Aromatic Compounds
- NS= no standard

Bold



TABLE 1
SOIL ANALYTICAL RESULTS (05/18/2006)
ROSEMURGY PROPERTIES
MAXIM #6340174



TETRA TECH, INC.

LOCATION	#1 -1.5 Feet	#1 -10 Feet	#2 -1.0 Feet	#2 -10 Feet	#3 -1.0 Feet	#3 -10 Feet	#4 -4 Feet	#4 -10 Feet	#5 -4 Feet	#5 -12 Feet	#6 -4 Feet	Direct Contact RCL	GW Pathway RCL
METALS (PPM)													
Arsenic	na	1.04	na	0.851	na	0.888	3.23	2.51	5.68	34.2	2.71	5.0	ns
Barium	na	13.8	na	18.0	na	24.7	59.6	77.8	48.1	748	90.7	ns	ns
Cadmium	na	<0.0596	na	<0.0596	na	<0.0596	0.0722	<0.0676	4.63	17.3	0.0947	8	ns
Chromium	na	6.19	na	7.46	na	6.53	2.92	3.37	11.6	67.2	1.90	14	ns
Lead	na	0.673	na	0.681	na	1.69	7.62	11.6	29.7	2280	7.89	50	ns
Silver	na	<0.211	na	<0.211	na	<0.211	<0.218	<0.239	<0.218	0.915	<0.222	ns	ns
Mercury	na	<0.016	na	<0.017	na	<0.016	<0.016	<0.017	0.124	3.09	0.026	ns	ns
VOLATILE ORGANIC COMPOUNDS (PPM)													
Benzene	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.022	<0.016	1.1	0.0055
Ethylbenzene	0.02	0.02	0.021	0.019	0.022	0.020	0.020	0.022	0.017	0.034	0.017	ns	2.9
Toluene	<0.017	<0.017	0.018	0.017	0.022	0.017	0.018	0.019	0.018	0.031	0.018	ns	1.5
Xylenes	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	0.128	<0.037	ns	4.1
Isopropylbenzene	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	0.107	ns	ns
n-Propylbenzene	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	0.136	ns	ns
p-Isopropyltoluene	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	0.074	ns	ns
1,2,4-trimethylbenzene	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	0.046	<0.013	ns	ns
Tetrachloroethene	<0.023	<0.023	0.132	<0.023	<0.023	<0.023	<0.023	<0.023	3.02	0.116	<0.023	ns	*0.003
Trichloroethene	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	0.160	<0.023	<0.023	ns	*0.003
POLYCYCLIC AROMATIC HYDROCARBONS (PPM)													
Anthracene	na	<0.0034	na	<0.0034	na	<0.0034	<0.0034	0.0087	2.54	na	<0.0034	5000	3000
Benzo(a)anthracene	na	<0.0043	na	<0.0043	na	<0.0043	<0.0043	0.0248	3.18	na	<0.0043	0.88	17
Benzo(a)pyrene	na	<0.0024	na	<0.0024	na	<0.0024	0.0043	0.0328	2.73	na	<0.0024	0.0088	48
Benzo(b)fluoranthene	na	<0.0022	na	<0.0022	na	0.0048	<0.0022	0.0143	2.22	na	<0.0022	0.088	360
Chrysene	na	<0.0024	na	<0.0024	na	0.0061	<0.0024	0.0293	2.99	na	<0.0024	8.8	37
Flouranthene	na	<0.0027	na	<0.0027	na	0.0196	<0.0027	0.0940	12.2	na	<0.0027	600	500
Fluorene	na	<0.0035	na	<0.0035	na	<0.0035	<0.0035	<0.0035	0.921	na	<0.0035	600	100
Indeno(1,2,3-cd)pyrene	na	<0.0023	na	<0.0023	na	0.0041	<0.0023	0.0248	1.14	na	<0.0023	0.088	680
Naphthalene	na	<0.0048	na	<0.0048	na	<0.0048	<0.0048	<0.0048	<0.0502	na	<0.0048	20	0.4
Phenanthrene	na	<0.0043	na	<0.0043	na	0.0135	<0.0043	0.0324	5.40	na	<0.0043	18	1.8
Pyrene	na	<0.0030	na	<0.0030	na	0.0049	<0.0030	0.0591	4.03	na	<0.0030	500	8700
POLYCHLORONATED BIPHENYLS (PPM)													
PCBs	na	<31.20 ppb	na	<32.8 ppb	na	<31.6 ppb	<31.9 ppb	<32.8 ppb	<25.5ppb	na	<32.8 ppb	ns	ns

Soil boring locations are shown on Figure 2;

ns-Indicates no standard; na-Indicates parameter not analyzed

*- Determined using EPA Soil Screening Level Algorithm



TABLE 1 (cont.)
SOIL ANALYTICAL RESULTS (05/18/2006)
ROSEMURGY PROPERTIES
MAXIM #6340174



TETRA TECH, INC.

LOCATION	#6 -12 Feet	#7 -10 Feet	#8 -4 Feet	#8 -10 Feet	#9 -4 Feet	#9 -10 Feet	#10 -1 Foot	#10 -10 Feet	#11 -1 Foot	#11 -10 Feet	#12 -2 Feet	Direct Contact RCL	GW Pathway RCL
METALS (PPM)													
Arsenic	1.88	2.52	na	0.845	na	1.14	na	1.02	na	1.48	na	5.0	ns
Barium	87.8	142	na	30.1	na	16.5	na	15.5	na	21.1	na	ns	ns
Cadmium	0.972	<0.0752	na	<0.0616	na	<0.0576	na	<0.0598	na	<0.0591	na	8	ns
Chromium	7.83	0.488	na	8.49	na	10.2	na	3.91	na	9.31	na	14	ns
Lead	6.25	5.65	na	1.29	na	0.918	na	<0.563	na	1.69	na	50	ns
Silver	<0.235	<0.266	na	<0.217	na	<0.203	na	<0.211	na	<0.209	na	ns	ns
Mercury	<0.018	<0.022	na	0.021	na	<0.015	na	<0.017	na	0.019	na	ns	ns
VOLATILE ORGANIC COMPOUNDS (PPM)													
Benzene	0.02	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	1.1	0.0055
Ethylbenzene	0.026	<0.018	<0.018	<0.018	<0.018	<0.018	0.020	<0.018	<0.018	<0.018	<0.018	ns	2.9
Toluene	0.029	0.023	<0.017	<0.017	<0.017	<0.017	0.018	<0.017	<0.017	<0.017	<0.017	ns	1.5
Xylenes	0.052	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	ns	4.1
Isopropylbenzene	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	ns	ns
n-Propylbenzene	<0.012	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	ns	ns
p-Isoprpyltoluene	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	ns	ns
1,2,4-trimethylbenzene	0.042	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	<0.013	ns	ns
Tetrachloroethene	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	0.185	<0.023	0.313	<0.023	0.309	ns	*0.003
Trichloroethene	0.045	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	ns	*0.003
POLYCYCLIC AROMATIC HYDROCARBONS (PPM)													
Anthracene	<0.0376	<0.0034	na	<0.0034	na	<0.0034	na	<0.0034	na	<0.0034	na	5000	3000
Benzo(a)anthracene	0.262	<0.0043	na	<0.0043	na	<0.0043	na	<0.0043	na	<0.0043	na	0.88	17
Benzo(a)pyrene	0.376	<0.0024	na	<0.0024	na	<0.0024	na	<0.0024	na	<0.0024	na	0.0088	48
Benzo(b)flouranthene	0.365	<0.0022	na	<0.0022	na	<0.0022	na	<0.0022	na	<0.0022	na	0.088	360
Chrysene	0.455	<0.0024	na	<0.0024	na	<0.0024	na	<0.0024	na	<0.0024	na	8.8	37
Flouranthene	0.932	<0.0027	na	<0.0027	na	<0.0027	na	<0.0027	na	<0.0027	na	600	500
Fluorene	<0.0388	<0.0035	na	<0.0035	na	<0.0035	na	<0.0035	na	<0.0035	na	600	100
Indeno(1,2,3-cd)pyrene	0.206	<0.0023	na	<0.0023	na	<0.0023	na	<0.0023	na	<0.0023	na	0.088	680
Naphthalene	<0.0541	<0.0048	na	<0.0048	na	<0.0048	na	<0.0048	na	<0.0048	na	20	0.4
Phenanthrene	0.289	<0.0043	na	<0.0043	na	<0.0043	na	<0.0043	na	<0.0043	na	18	1.8
Pyrene	<0.0310	<0.0030	na	<0.0030	na	<0.0030	na	<0.0030	na	<0.0030	na	500	8700
POLYCHLORONATED BIPHENYLS (PPB)													
PCBs	135.6 ppb	<35.10 ppb	na	<31.3 ppb	na	<30.2 ppb	na	<31.3 ppb	na	<34.5 ppb	na	ns	ns

Soil boring locations are shown on Figure 2;

ns-Indicates no standard; na-Indicates parameter not analyzed

*- Determined using EPA Soil Screening Level Algorithm

TABLE 2a
GROUNDWATER ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVENUE
WAUSAU, WI

		MW-1		
		Date-->	5/12/06	10/2/06
		Sampler-->	MR	MR
	ES	PAL		
VOC Parameters				
Benzene	5	0.5	<0.41	<0.31
Ethylbenzene	700	140	<0.54	<0.50
Toluene	1,000	200	<0.67	<0.30
Methyl tert Butyl Ether	60	12	<0.61	<0.30
Total Xylenes	10,000	1,000	<1.8	<0.62
Total Trimethylbenzenes	480	96	<0.97	<0.40
Naphthalene	40	8	<0.74	<0.80
Tetrachloroethene	5	0.5	0.77	0.83
PAH Parameters				
Acenaphthene			<0.0082	<0.056
Acenaphylene			<0.0081	<0.056
Anthracene	3000	600	<0.012	<0.085
Benzo(a) Anthracene			<0.016	<0.094
Benzo (a) Pyrene	0.2	0.02	<0.018	<0.019
Benzo (b) Fluoranthene	0.2	0.02	<0.016	<0.019
Benzo(ghi) Perylene			<0.019	<0.056
Benzo (k) Fluoranthene			<0.019	<0.066
Chrysene	0.2	0.02	<0.019	<0.019
Dibenzo(a,h)Anthracene			<0.019	<0.103
Fluoranthene	400	80	<0.015	<0.113
Fluorene	400	80	<0.0091	<0.113
Indeno(1,2,3-cd)Pyrene			<0.019	<0.113
1-Methyl Naphthalene			0.031	<0.075
2-Methyl Naphthalene			0.064	<0.103
Naphthalene	40	8	0.030	<0.103
Phenanthrene			<0.011	<0.103
Pyrene	250	50	<0.015	<0.094
Metals (ug/L)				
Arsenic	50	5	<0.40	<0.60
Barium	2,000	400	170	142
Cadmium	5	0.5	<0.40	<0.20
Chromium	100	10	1.3	<1.60
Lead	15	1.5	<0.40	<0.30
Mercury	2	0.2	<0.072	<0.070
Selenium	50	10	<4.0	<0.60
Silver	50	10	<0.40	<0.20

Notes:

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR 140.10 Preventative Action Limits

X = Not Detected

NA = Not Analyzed

PAL Exceeded =

Bold

ES exceeded =

Bold

TABLE 2b
GROUNDWATER ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVENUE
WAUSAU, WI

MW-2

			Date-->	5/12/06	10/2/06	
			Sampler-->	MR	MR	
	ES	PAL				
VOC Parameters						
Benzene	5	0.5		<0.41	<0.31	
Ethylbenzene	700	140		<0.54	<0.50	
Toluene	1,000	200		<0.67	<0.30	
Methyl tert Butyl Ether	60	12		<0.61	<0.30	
Total Xylenes	10,000	1,000		<1.8	<0.62	
Total Trimethylbenzenes	480	96		<0.97	<0.40	
Naphthalene	40	8		<0.74	<0.80	
Tetrachloroethene	5	0.5		<0.45	<0.71	
PAH Parameters						
Acenaphthene				0.016	<0.056	
Acenaphylene				<0.0081	<0.056	
Anthracene	3000	600		0.024	<0.085	
Benzo(a) Anthracene				<0.016	<0.094	
Benzo (a) Pyrene	0.2	0.02		<0.018	<0.019	
Benzo (b) Fluoranthene	0.2	0.02		<0.016	<0.019	
Benzo(ghi) Perylene				<0.019	<0.056	
Benzo (k) Fluoranthene				<0.019	<0.066	
Chrysene	0.2	0.02		<0.019	<0.019	
Dibenzo(a,h)Anthracene				<0.019	<0.103	
Fluoranthene	400	80		0.069	<0.113	
Fluorene	400	80		0.020	<0.113	
Indeno(1,2,3-cd)Pyrene				<0.019	<0.113	
1-Methyl Naphthalene				0.034	<0.075	
2-Methyl Naphthalene				0.051	<0.103	
Naphthalene	40	8		0.042	<0.103	
Phenanthrene				0.087	<0.103	
Pyrene	250	50		0.054	<0.094	
Metals (ug/L)						
Arsenic	50	5		1.4	0.87	
Barium	2,000	400		170	128	
Cadmium	5	0.5		<0.40	<0.20	
Chromium	100	10		3.3	<1.60	
Lead	15	1.5		<0.40	<0.30	
Mercury	2	0.2		<0.072	0.316	
Selenium	50	10		<4.0	<0.60	
Silver	50	10		<0.40	<0.20	

Notes:

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR 140.10 Preventative Action Limits

X = Not Detected

NA = Not Analyzed

PAL Exceeded =

Bold

ES exceeded =

Bold

TABLE 2c
GROUNDWATER ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVENUE
WAUSAU, WI

MW-3

			Date-->	5/12/06	10/2/06	
			Sampler-->	MR	MR	
	ES	PAL				
VOC Parameters						
Benzene	5	0.5		<0.41	<0.31	
Ethylbenzene	700	140		<0.54	<0.50	
Toluene	1,000	200		<0.67	<0.30	
Methyl tert Butyl Ether	60	12		<0.61	<0.30	
Total Xylenes	10,000	1,000		<1.8	<0.62	
Total Trimethylbenzenes	480	96		<0.97	<0.40	
Naphthalene	40	8		<0.74	<0.80	
Tetrachloroethene	5	0.5		<0.45	<0.71	
PAH Parameters						
Acenaphthene				0.013	<0.056	
Acenaphylene				<0.0081	<0.056	
Anthracene	3000	600		0.046	<0.085	
Benzo(a) Anthracene				0.042	<0.094	
Benzo (a) Pyrene	0.2	0.02		0.031	<0.019	
Benzo (b) Fluoranthene	0.2	0.02		0.033	<0.019	
Benzo(ghi) Perylene				0.026	<0.056	
Benzo (k) Fluoranthene				0.029	<0.066	
Chrysene	0.2	0.02		0.036	<0.019	
Dibenzo(a,h)Anthracene				<0.019	<0.103	
Fluoranthene	400	80		0.11	<0.113	
Fluorene	400	80		0.015	<0.113	
Indeno(1,2,3-cd)Pyrene				0.023	<0.113	
1-Methyl Naphthalene				0.023	<0.075	
2-Methyl Naphthalene				0.027	<0.103	
Naphthalene	40	8		0.038	<0.103	
Phenanthrene				0.073	<0.103	
Pyrene	250	50		0.081	<0.094	
Metals (ug/L)						
Arsenic	50	5		<0.40	<0.60	
Barium	2,000	400		570	805	
Cadmium	5	0.5		<0.40	<0.20	
Chromium	100	10		1.4	<1.60	
Lead	15	1.5		<0.40	<0.30	
Mercury	2	0.2		<0.072	<0.070	
Selenium	50	10		<4.0	<0.60	
Silver	50	10		<0.40	<0.20	

Notes:

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR 140.10 Preventative Action Limits
- X = Not Detected
- NA = Not Analyzed
- PAL Exceeded = **Bold**
- ES exceeded = **Bold**

TABLE 2d
GROUNDWATER ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVENUE
WAUSAU, WI

MW-4

			Date-->	10/2/06		
			Sampler-->	MR		
	ES	PAL				
VOC Parameters						
Benzene	5	0.5		<0.31		
Ethylbenzene	700	140		<0.50		
Toluene	1,000	200		<0.30		
Methyl tert Butyl Ether	60	12		<0.30		
Total Xylenes	10,000	1,000		<0.62		
Total Trimethylbenzenes	480	96		<0.40		
Naphthalene	40	8		<0.80		
Tetrachloroethene	5	0.5		1.00		
PAH Parameters						
Acenaphthene				<0.056		
Acenaphylene				<0.056		
Anthracene	3000	600		<0.085		
Benzo(a) Anthracene				<0.094		
Benzo (a) Pyrene	0.2	0.02		<0.019		
Benzo (b) Fluoranthene	0.2	0.02		<0.019		
Benzo(ghi) Perylene				<0.056		
Benzo (k) Fluoranthene				<0.066		
Chrysene	0.2	0.02		<0.019		
Dibenzo(a,h)Anthracene				<0.103		
Fluoranthene	400	80		<0.113		
Fluorene	400	80		<0.113		
Indeno(1,2,3-cd)Pyrene				<0.113		
1-Methyl Naphthalene				<0.075		
2-Methyl Naphthalene				<0.103		
Naphthalene	40	8		<0.103		
Phenanthrene				<0.103		
Pyrene	250	50		<0.094		
Metals (ug/L)						
Arsenic	50	5		<0.60		
Barium	2,000	400		58.8		
Cadmium	5	0.5		<0.20		
Chromium	100	10		<1.60		
Lead	15	1.5		<0.30		
Mercury	2	0.2		<0.70		
Selenium	50	10		<0.60		
Silver	50	10		<0.20		

Notes:

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR 140.10 Preventative Action Limits
- X = Not Detected
- NA = Not Analyzed
- PAL Exceeded = **Bold**
- ES exceeded = **Bold**

TABLE 2e
GROUNDWATER ANALYTICAL RESULTS
UNDEVELOPED ROSEMURGY PROPERTY
218 SOUTH 14TH AVENUE
WAUSAU, WI

MW-5

		Date-->	11/21/06		
		Sampler-->	JS		
	ES	PAL			
VOC Parameters					
Benzene	5	0.5	2.26		
Ethylbenzene	700	140	3.10		
Toluene	1,000	200	3.74		
Methyl tert Butyl Ether	60	12	<0.30		
Total Xylenes	10,000	1,000	25.8		
Total Trimethylbenzenes	480	96	14.1		
Naphthalene	40	8	3.25		
Tetrachloroethene	5	0.5	<0.71		
PAH Parameters					
Acenaphthene			1.40		
Acenaphylene			<0.056		
Anthracene	3000	600	<0.085		
Benzo(a) Anthracene			<0.094		
Benzo (a) Pyrene	0.2	0.02	<0.019		
Benzo (b) Fluoranthene	0.2	0.02	3.66		
Benzo(ghi) Perylene			3.20		
Benzo (k) Fluoranthene			2.59		
Chrysene	0.2	0.02	<0.019		
Dibenzo(a,h)Anthracene			<0.103		
Fluoranthene	400	80	<0.113		
Fluorene	400	80	<0.113		
Indeno(1,2,3-cd)Pyrene			1.89		
1-Methyl Naphthalene			1.04		
2-Methyl Naphthalene			1.33		
Naphthalene	40	8	<0.103		
Phenanthrene			3.87		
Pyrene	250	50	<0.094		
Metals (ug/L)					
Arsenic	50	5	5.07		
Barium	2,000	400	622		
Cadmium	5	0.5	<0.20		
Chromium	100	10	<1.60		
Lead	15	1.5	10.3		
Mercury	2	0.2	<0.070		
Selenium	50	10	6.92		
Silver	50	10	<0.20		

Notes:

Notes:

ES = NR140.10 Enforcement Standards
 PAL = NR 140.10 Preventative Action Limits
 X = Not Detected
 NA = Not Analyzed
 PAL Exceeded = **Bold**
 ES exceeded = **Bold**

Table 3
 Groundwater Elevation Summary
 Undeveloped Rosemurgy Property
 218 South 4th Avenue
 Wausau, WI

	MW-1	MW-2	MW-3	MW-4	MW-5
Top of Casing Elevation	1188.51	1190.34	1192.80	1188.75	1192.65
Ground Surface Elevation	1185.93	1187.21	1193.28	1186.19	1193.07

Depth to Water (feet)

		MW-1	MW-2	MW-3	MW-4	MW-5
7/13/2006	6.60	7.41	9.11	NI	NI	
10/2/2006	6.36	7.14	8.91	6.04	NI	
11/21/2006	6.30	6.90	8.85	5.93	7.69	

Ground Water Elevation

	MW-1	MW-2	MW-3	MW-4	MW-5
7/13/2006	1181.91	1182.93	1183.69	NI	NI
10/2/2006	1182.15	1183.20	1183.89	1182.71	NI
11/21/2006	1182.21	1183.44	1183.95	1182.82	1184.96

NM = Not Measured

NI = Not Installed

APPENDIX A

METHODS AND PROCEDURES

METHODS AND PROCEDURES
FOR
SOIL SAMPLING USING HOLLOW STEM AUGERS

Soil sampling was done in accordance with **ASTM:D1586-84**. Using this procedure, a 2 inch OD, 2 foot long split barrel sampler was driven into the soil by a 140 pound weight falling 30 inches. After an initial set of 6 inches, the number of blows required to drive the sampler an additional 12 inches is known as the penetration resistance or N value. The N value is an index of the relative density of cohesionless soils and the consistency of cohesive soils.

As the samples were obtained in the field, they were visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Representative portions of the samples were returned to the laboratory for further examination and for verification of the field classification. Logs of the borings were filled out indicating the depth and identification of the various strata, the N value, water level information and pertinent information regarding the method of maintaining and advancing the borings.

Soil samples recovered by the split spoon were divided into two portions. One portion was prepared for laboratory analysis. The other portion was placed into a clean one quart Ziploc bag. A headspace analysis was then conducted on this latter portion.

HEADSPACE ANALYSIS

The soils were scanned with a OVM 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.

METHODS AND PROCEDURES
FOR
MONITORING WELL INSTALLATION AND GROUNDWATER
SAMPLING

The water table monitoring wells consist of pipe joint threaded, two inch by ten feet long schedule 40 PVC (#10 slot) with 2 inch schedule 40 PVC riser. After the screen and riser pipe were set, a sand filter pack was placed around the screen to a depth 3 feet above the top of the screen, capped by a 2 foot fine sand layer, covered with a bentonite seal, annular space seal and surface seal. A protective casing did enclose the PVC riser pipe.

Monitoring wells were installed in accordance with Wisconsin Administrative Code NR 141 regulations. The WDNR "Monitoring Well Construction Form 4400-113A" were completed in accordance with NR 144 and NR 147.

The wells were developed by bailing or pumping to establish a reliable intercept with the surrounding formation. At least ten well volumes were removed or bailed until the wells were sediment free. If the well was bailed dry, a minimum of 3 volumes were taken. The WDNR "Monitoring Well Development Form 4400-113B" was completed for each well.

WATER LEVEL

Groundwater level measurements were obtained by using an electronic measuring device which indicated when a probe is in contact by lowering the probe into the well until the instrument indicated that the water surface has been encountered, and the distance from the top of the well to the probe was measured. All measurements were reported to the nearest 0.01 foot.

SAMPLING AND CHAIN OF CUSTODY

Water samples were collected using disposable bottom loading plastic bailers. Prior to sampling, the wells were purged. At least 4 well volumes were removed before sampling to ensure collection of a representative sample. If the well was purged dry, it was allowed to recharge and then it was sampled.

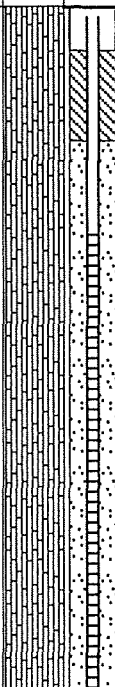
APPENDIX B

SOIL BORING LOGS (WDNR FORM 4400-122)

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

Facility/Project Name Undeveloped Rosemurgy Property		License/Permit/Monitoring Number 02-37-548031		Boring Number MW-5	
Boring Drilled By: Name of crew chief (first, last) and Firm TetraTech - Neil Schramm			Date Drilling Started 11/21/06	Date Drilling Completed 11/21/06	Drilling Method HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name MW-5	Final Static Water Level 6.31	Surface Elevation 1193.07	Borehole Diameter 6.25
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/>			Lat	Local Grid Location	
State Plane			Long	N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	

Facility ID	County Marathon	County Code 37	Civil Town/City/or Village City of Wausau
-------------	-----------------	----------------	---

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			
SS1	SS			1	Silty sand Brownish grey with fill material including wood, concrete bricks	SM			2.5								
				2													
SS2	SS			3									8.0				
				4													
SS3	SS			5													
				6									5.8				
				7													
SS4	SS			8													
				9													
				10													
SS5	SS			11													
				12													
SS6	SS			13													
				14													
				15													
				16													
				17													
				18													
				19													
				20													

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

Signature <i>Matthew W. Deh</i>	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.

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

Facility/Project Name Undeveloped Rosemurgy Property		License/Permit/Monitoring Number 02-37-548031		Boring Number SB-4A	
Boring Drilled By: Name of crew chief (first, last) and Firm TetraTech - Neil Schramm			Date Drilling Started 11/21/06	Date Drilling Completed 11/21/06	Drilling Method HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter 6.25
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID		County Marathon	County Code 37	Civil Town/City/or Village City of Wausau	

Sample				Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/RID	Soil Properties					RQD/ Comments
Number	Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
SS1	SS			1	Silty sand Brownish grey with fill material including wood, concrete bricks	SM			3.0						
SS2	SS			2											
SS3	SS			3											
SS4	SS			4											
SS5	SS			5											
				6											
				7											
				8											
				9											
				10											
				11											
				12											
				13											
				14											
				15											
				16											
				17											
				18											
				19											
				20											


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

Signature <i>Matthew W. Dah</i>	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.

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

Facility/Project Name Undeveloped Rosemurgy Property		License/Permit/Monitoring Number 02-37-548031		Boring Number SB-6A	
Boring Drilled By: Name of crew chief (first, last) and Firm TetraTech - Neil Schramm			Date Drilling Started 11/21/06	Date Drilling Completed 11/21/06	Drilling Method HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter 6.25
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID		County Marathon	County Code 37	Civil Town/City/or Village City of Wausau	

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	
SS1	SS			1	Silty sand Brownish grey with fill material including wood, concrete bricks	SM			11.5						
SS2	SS			2											13.0
SS3	SS			3											
SS4	SS			4											
SS5	SS			5											
				6	10.0										
				7	8.3										
				8	8.8										
				9											
				10											
				11											
				12											
				13											
				14											
				15											
				16											
				17											
				18											
				19											
				20											

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

Signature *Matthew W. Doh* 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.

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

Facility/Project Name Rosemurgy Properties		License/Permit/Monitoring Number		Boring Number #4-218 S 4th	
Boring Drilled By: Name of crew chief (first, last) and Firm Jeff Annis Geiss Soils & Sampling			Date Drilling Started 5/18/2006	Date Drilling Completed 5/18/2006	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane NW 1/4 of NW 1/4 of Section 36, T 29 N, R 7 E			Lat ° ' "	Local Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau		

Sample Number and Type	Length An. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 SB	48 20		0-1	Crushed granite Sand FILL, gray, medium-grained				0.0						
2 SB	48 36		1-4	Sand FILL, black, medium-grained, with metal, gravel, and silt, moist				1.4						
3 SB	24 20		4-8	Sand FILL, black, medium-grained, with metal, gravel, and silt, water-bearing				1.2						
			8-9	Sand ALLUVIUM, gray, medium-grained, water-bearing	SP									
			9-10	End of boring										

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

Signature <i>Thomas C. Harrington</i>	Firm Maxim Technologies, Inc 555 S 72nd Ave Wausau WI 54401	Tel: 715-845-4100 Fax: 715-842-0381
--	---	--

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.

APPENDIX C

BOREHOLE ABANDONMENT FORMS (WDNR FORM 3300-5W)

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME: <u>Rosemurgy Properties</u>	
Well/Drillhole/Borehole Location <u>#4-218 S 4th</u>	County <u>Marathon</u>	Original Well Owner (If Known) <u>Rosemurgy Property</u>	
NW <input checked="" type="checkbox"/> 1/4 of NW 1/4 of Sec. <u>36</u> ; T. <u>29</u> N; R. <u>7</u> <input type="checkbox"/> E; <input type="checkbox"/> W (If Applicable)		Present Well Owner	
Grid Location Gov't Lot _____ Grid Number _____		Street or Route	
Civil Town Name <u>Wausau</u>		City, State, Zip Code	
Street Address of Well <u>218 S 4th Street</u>		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
City, Village <u>Wausau</u>		Reason For Abandonment <u>Borehole no longer needed</u>	
		Date of Abandonment <u>5/18/06</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>5/18/2006</u>	(4) Depth to Water (Feet) <u>8.0</u>
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Casing not employed</u>
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Crushed granite	Surface	0.5	0.05	
Granular bentonite		10.0	0.1	

(8) Comments Project # 6340174

(9) Name of Person or Firm Doing Sealing Work <u>Maxim Technologies, Inc</u>		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <i>[Signature]</i>	Date Signed <u>31 May 2006</u>	Date Received/Inspected	District/County
Street or Route <u>555 S 72nd Ave</u>	Telephone Number <u>715-845-4100</u>	Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
City, State, Zip Code <u>Wausau WI 54401</u>		Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Rosemurgy Properties	
Well/Drillhole/Borehole Location #6-218 S 4th		Original Well Owner (If Known) Rosemurgy Property	
County Marathon		Present Well Owner	
NW 1/4 of NW 1/4 of Sec. 36 ; T. 29 N.; R. 7 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Street or Route	
(If Applicable) Gov't Lot _____ Grid Number _____		City, State, Zip Code	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Facility Well No. and/or Name (If Applicable)	
Civil Town Name Wausau		WI Unique Well No.	
Street Address of Well 218 S 4th Street		Reason For Abandonment Borehole no longer needed	
City, Village Wausau		Date of Abandonment 5/18/06	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 5/18/2006		(4) Depth to Water (Feet) <u>8.0</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>Casing not employed</u>	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____ Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Crushed granite	Surface	0.5	0.05	
Granular bentonite		12.0	0.1	

(8) Comments Project # 6340174

(9) Name of Person or Firm Doing Sealing Work Maxim Technologies, Inc		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <i>Maxim Technologies, Inc</i>		Date Received/Inspected	District/County
Date Signed <u>3/7/2006</u>		Reviewer/Inspector	<input type="checkbox"/> Complying Work
Telephone Number <u>715-845-4100</u>		Follow-up Necessary	<input type="checkbox"/> Noncomplying Work
Street or Route <u>555 S 72nd Ave</u>			
City, State, Zip Code <u>Wausau WI 54401</u>			

Notice. Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160,281,283,289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141 Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a 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 the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County Marathon	Facility Name Undeveloped Rosemurgy Property
Common Well Name <u>SB-4A</u> Gov't Lot (If applicable) _____		Facility ID _____	License/Permit/Monitoring No. <u>02-37-548031</u>
Grid Location _____ 1/4 of _____ 1/4 of Sec. _____, T. _____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street Address of Well <u>218 South 4th Street</u>	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town <u>City of Wausau</u>	
Lat. _____ Long. _____ or _____ St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone _____		Present Well Owner <u>Mr. Bob Rosemurgy</u>	Original Owner <u>Same</u>
Reason For Abandonment <u>Exploratory Boring</u>		Street Address or Route of Owner <u>P.O. Box 118</u>	
WI Unique Well No. _____ of Replacement Well _____		City, State, Zip Code <u>Lake Tomahawk, WI 54539</u>	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date <u>11/21/06</u> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole If a Well Construction Report is available, please attach. Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>10.0</u> Casing Diameter (in.) <u>N/A</u> (From ground surface) Casing Depth (ft.) <u>N/A</u> Lower Drillhole Diameter (in.) <u>6.25</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) <u>9.0</u>	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) _____ Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite - Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Bentonite - Sand Slurry <input type="checkbox"/> Bentonite Chips

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards Sacks Sealed or Volume	(Circle One)	Mix Ratio or Mud Weight
Native gravel	Surface	1.0	5 gallons		
Bentonite pellets	1.0	10.0	2.6 bags		

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work <u>Neil Schramm - Tetra Tech / Jared Szews - REI</u>		Date of Abandonment <u>11/21/06</u>
Signature of Person Doing Work _____		Date Signed <u>12/14/06</u>
Street or Route <u>4080 North 20th Avenue, Wausau, WI</u>		Telephone Number <u>(715) 675-9784</u>
City, State, Zip Code		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice. Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160,281,283,289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141 Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a 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 the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No. _____	DNR Well ID No. _____	County Marathon	Facility Name Undeveloped Rosemurgy Property
Common Well Name <u>SB-6A</u> _____ Gov't Lot (If applicable) _____		Facility ID _____	License/Permit/Monitoring No. <u>02-37-548031</u>
Grid Location ____ 1/4 of ____ 1/4 of Sec. ____ , T. ____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Street Address of Well <u>218 South 4th Street</u>	
____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, Village, or Town City of Wausau	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Present Well Owner <u>Mr. Bob Rosemurgy</u>	Original Owner Same
Lat. _____ Long _____ or _____		Street Address or Route of Owner <u>P.O. Box 118</u>	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		City, State, Zip Code <u>Lake Tomahawk, WI 54539</u>	
Reason For Abandonment <u>Exploratory Boring</u>		WI Unique Well No. _____ of Replacement Well _____	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date <u>11/21/06</u> <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole If a Well Construction Report is available, please attach. Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>10.0</u> Casing Diameter (in.) <u>N/A</u> (From ground surface) Casing Depth (ft.) <u>N/A</u> Lower Drillhole Diameter (in.) <u>6.25</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) <u>9.0</u>	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No Required Method of Placing Sealing Material <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain) _____ Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Bentonite-Sand Slurry " " " <input type="checkbox"/> Bentonite Chips For monitoring wells and monitoring well boreholes only <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No Yards Sacks Sealed or Volume	(Circle One)	Mix Ratio or Mud Weight
Native gravel	Surface	1.0	5 gallons		
Bentonite pellets	1.0	10.0	2.6 bags		

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work <u>Neil Schramm - Tetra Tech / Jared Szews - REI</u>		Date of Abandonment <u>11/21/06</u>
Signature of Person Doing Work _____		Date Signed <u>12/14/06</u>
Street or Route <u>4080 North 20th Avenue, Wausau, WI</u>		Telephone Number <u>(715) 675-9784</u>
City, State, Zip Code		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

APPENDIX D

SOIL AND GROUNDWATER LABORATORY ANALYTICAL RESULTS

**Pace Analytical
Services, Inc.**

Analytical Report Number: 874106

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : REI

Project Name : BOCANER PROPERTY

Project Number : 4313

Field ID : MW-1

Matrix Type : WATER

Collection Date : 07/13/06

Report Date : 08/01/06

Lab Sample Number : 874106-007

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Barium - Dissolved	170	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Cadmium - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Chromium - Dissolved	1.3	0.40	1.3		2	ug/L	QA	07/27/06	SW846 3020A	SW846 6020
Lead - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Mercury - Dissolved	< 0.072	0.072	0.24		1	ug/L		07/26/06	SW846 7470A	SW846 7470A
Selenium - Dissolved	< 4.0	4.0	13		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Silver - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/28/06	SW846 3020A	SW846 6020

VOLATILES

Prep Date: 07/20/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		07/20/06	SW846 5030B	SW846 8260B

**Pace Analytical
Services, Inc.**

Analytical Report Number: 874106

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : REI

Project Name : BOCANER PROPERTY

Project Number : 4313

Field ID : MW-1

Matrix Type : WATER

Collection Date : 07/13/06

Report Date : 08/01/06

Lab Sample Number : 874106-007

PAH/ PNA

Prep Date: 07/19/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Pyrene	< 0.015	0.015	0.048		1	ug/L		07/19/06	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	54	10	150		1	%		07/19/06	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	56	20	111		1	%		07/19/06	SW846 3510C	8270C-SIM
Terphenyl-d14	73	44	115		1	%		07/19/06	SW846 3510C	8270C-SIM

**Pace Analytical
Services, Inc.**

Analytical Report Number: 874106

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : REI
Project Name : BOCANER PROPERTY
Project Number : 4313
Field ID : MW-2

Matrix Type : WATER
Collection Date : 07/13/06
Report Date : 08/01/06
Lab Sample Number : 874106-008

VOLATILES

Prep Date: 07/20/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Dibromomethane	< 0.60	0.60	2.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Dichlorodifluoromethane	< 0.99	0.99	3.3		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Diisopropyl Ether	< 0.76	0.76	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Ethylbenzene	< 0.54	0.54	1.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Fluorotrichloromethane	< 0.79	0.79	2.6		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Hexachlorobutadiene	< 0.67	0.67	2.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Isopropylbenzene	< 0.59	0.59	2.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Methylene Chloride	< 0.43	0.43	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 0.61	0.61	2.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Naphthalene	< 0.74	0.74	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
n-Butylbenzene	< 0.93	0.93	3.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
n-Propylbenzene	< 0.81	0.81	2.7		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
p-Isopropyltoluene	< 0.67	0.67	2.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
s-Butylbenzene	< 0.89	0.89	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Styrene	< 0.86	0.86	2.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
t-Butylbenzene	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Tetrachloroethene	< 0.45	0.45	1.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Toluene	< 0.67	0.67	2.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
trans-1,2-Dichloroethene	< 0.89	0.89	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
trans-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Trichloroethene	< 0.48	0.48	1.6		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Vinyl Chloride	< 0.18	0.18	0.60		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Xylene, o	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Xylenes, m + p	< 1.8	1.8	6.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Surrogate		LCL	UCL							
4-Bromofluorobenzene	104	64	132		1	%		07/20/06	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127		1	%		07/20/06	SW846 5030B	SW846 8260B
Dibromofluoromethane	101	68	122		1	%		07/20/06	SW846 5030B	SW846 8260B

PAH/ PNA

Prep Date: 07/19/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	0.034	0.010	0.034		1	ug/L	Q	07/20/06	SW846 3510C	8270C-SIM
2-Methylnaphthalene	0.051	0.011	0.037		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Acenaphthene	0.016	0.0082	0.027		1	ug/L	Q	07/20/06	SW846 3510C	8270C-SIM
Acenaphthylene	< 0.0081	0.0081	0.027		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Anthracene	0.024	0.012	0.039		1	ug/L	Q	07/20/06	SW846 3510C	8270C-SIM
Benzo(a)anthracene	< 0.016	0.016	0.052		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Benzo(a)pyrene	< 0.018	0.018	0.061		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Benzo(b)fluoranthene	< 0.016	0.016	0.052		1	ug/L	Z	07/20/06	SW846 3510C	8270C-SIM
Benzo(ghi)perylene	< 0.019	0.019	0.064		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Benzo(k)fluoranthene	< 0.019	0.019	0.064		1	ug/L	Z	07/20/06	SW846 3510C	8270C-SIM
Chrysene	< 0.019	0.019	0.063		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Dibenz(a,h)anthracene	< 0.019	0.019	0.063		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Fluoranthene	0.069	0.015	0.052		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Fluorene	0.020	0.0091	0.030		1	ug/L	Q	07/20/06	SW846 3510C	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 0.019	0.019	0.063		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Naphthalene	0.042	0.012	0.041		1	ug/L	B	07/20/06	SW846 3510C	8270C-SIM
Phenanthrene	0.087	0.011	0.038		1	ug/L		07/20/06	SW846 3510C	8270C-SIM

Client : REI
Project Name : BOCANER PROPERTY
Project Number : 4313
Field ID : MW-3

Matrix Type : WATER
Collection Date : 07/13/06
Report Date : 08/01/06
Lab Sample Number : 874106-009

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Barium - Dissolved	570	2.0	6.7		10	ug/L		07/28/06	SW846 3020A	SW846 6020
Cadmium - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Chromium - Dissolved	1.4	0.40	1.3		2	ug/L	A	07/27/06	SW846 3020A	SW846 6020
Lead - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Mercury - Dissolved	< 0.072	0.072	0.24		1	ug/L		07/26/06	SW846 7470A	SW846 7470A
Selenium - Dissolved	< 4.0	4.0	13		2	ug/L		07/27/06	SW846 3020A	SW846 6020
Silver - Dissolved	< 0.40	0.40	1.3		2	ug/L		07/28/06	SW846 3020A	SW846 6020

VOLATILES

Prep Date: 07/20/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,1,1,2-Tetrachloroethane	< 0.92	0.92	3.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,1-Trichloroethane	< 0.90	0.90	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,2,2-Tetrachloroethane	< 0.20	0.20	0.67		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1,2-Trichloroethane	< 0.42	0.42	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloroethane	< 0.75	0.75	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloroethene	< 0.57	0.57	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,1-Dichloropropene	< 0.75	0.75	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,3-Trichlorobenzene	< 0.74	0.74	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,3-Trichloropropane	< 0.99	0.99	3.3		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,4-Trichlorobenzene	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2,4-Trimethylbenzene	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dibromo-3-chloropropane	< 0.87	0.87	2.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dibromoethane	< 0.56	0.56	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichlorobenzene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichloroethane	< 0.36	0.36	1.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,2-Dichloropropane	< 0.46	0.46	1.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3,5-Trimethylbenzene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3-Dichlorobenzene	< 0.87	0.87	2.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,3-Dichloropropane	< 0.61	0.61	2.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
1,4-Dichlorobenzene	< 0.95	0.95	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
2,2-Dichloropropane	< 0.62	0.62	2.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
2-Chlorotoluene	< 0.85	0.85	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
4-Chlorotoluene	< 0.74	0.74	2.5		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Benzene	< 0.41	0.41	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromobenzene	< 0.82	0.82	2.7		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromochloromethane	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromodichloromethane	< 0.56	0.56	1.9		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromoform	< 0.94	0.94	3.1		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Bromomethane	< 0.91	0.91	3.0		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Carbon Tetrachloride	< 0.49	0.49	1.6		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chlorobenzene	< 0.41	0.41	1.4		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chlorodibromomethane	< 0.81	0.81	2.7		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloroethane	< 0.97	0.97	3.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloroform	< 0.37	0.37	1.2		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
Chloromethane	< 0.24	0.24	0.80		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
cis-1,2-Dichloroethene	< 0.83	0.83	2.8		1	ug/L		07/20/06	SW846 5030B	SW846 8260B
cis-1,3-Dichloropropene	< 0.19	0.19	0.63		1	ug/L		07/20/06	SW846 5030B	SW846 8260B

**Pace Analytical
Services, Inc.**

Analytical Report Number: 874106

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Client : REI
Project Name : BOCANER PROPERTY
Project Number : 4313
Field ID : MW-3

Matrix Type : WATER
Collection Date : 07/13/06
Report Date : 08/01/06
Lab Sample Number : 874106-009

PAH/ PNA

Prep Date: 07/19/06

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Pyrene	0.081	0.015	0.048		1	ug/L		07/20/06	SW846 3510C	8270C-SIM
Surrogate		LCL	UCL							
Nitrobenzene-d5	61	10	150		1	%		07/20/06	SW846 3510C	8270C-SIM
2-Fluorobiphenyl	61	20	111		1	%		07/20/06	SW846 3510C	8270C-SIM
Terphenyl-d14	82	44	115		1	%		07/20/06	SW846 3510C	8270C-SIM

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Sample Condition Upon Receipt



Client Name: REL Project # 874106

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used NA

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature 201

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: CS 7/18/06
1/23 7/18/06

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>matrix not noted</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>PAH(w) vphold 7/20/06</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S, W</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>CS</u>
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>1-40mL (009)</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: W Date: 7/19/06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

SIEMENS

RECEIVED
DEC 08 2006

December 07, 2006

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

Attn: Matt Rahn

REPORT NO.: 0611343

PROJECT NO.: 4313

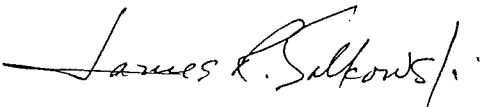
Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received November 21, 2006.

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



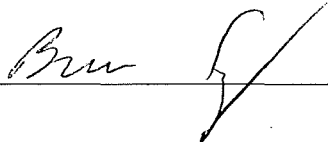
James Salkowski

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.

Approved 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.enviroscan.usfilter.com

SIEMENS

Remedial Engineering, Inc.
 1080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: MW5

Matrix: Ground Water

Sample Date/Time: 11/21/06 14:00

Lab No. 0611343-01

	<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>
PA 200.8/6020								
SPMS Liquid Metal Prep	Completed	N/A			1		11/29/06	JCH
PA 6020 - Total								
Total Arsenic	5.07	ug/L	0.60	2.00	1		12/01/06	JCH
Total Barium	622	ug/L	20.0	66.7	10		12/04/06	JCH
Total Cadmium	ND	ug/L	0.20	2.00	1		12/01/06	JCH
Total Chromium	ND	ug/L	1.60	5.33	1		12/01/06	JCH
Total Lead	10.3	ug/L	0.30	2.00	1		12/01/06	JCH
Total Selenium	6.92	ug/L	0.60	2.00	1		12/01/06	JCH
Total Silver	ND	ug/L	0.20	2.00	1		12/01/06	JCH
PA 7470A - Total								
Total Mercury	ND	ug/L	0.070	0.230	1		11/30/06	JCH
PA 8021B								
1,1,1,2-Tetrachloroethane	ND	ug/L	0.98	3.26	1		12/01/06	LMP
1,1,1-Trichloroethane	ND	ug/L	0.42	1.40	1		12/01/06	LMP
1,1,1,2,2-Tetrachloroethane	ND	ug/L	0.61	2.00	1		12/01/06	LMP
1,1,2-Trichloroethane	ND	ug/L	0.30	1.00	1		12/01/06	LMP
1,1-Dichloroethane	ND	ug/L	0.50	1.67	1		12/01/06	LMP
1,1-Dichloroethene	ND	ug/L	0.50	1.67	1		12/01/06	LMP
1,1-Dichloropropene	ND	ug/L	0.40	1.33	1		12/01/06	LMP
1,1,2,3-Trichlorobenzene	ND	ug/L	0.50	1.67	1		12/01/06	LMP
1,1,2,3-Trichloropropane	ND	ug/L	1.20	4.00	1		12/01/06	LMP
1,2,4-Trichlorobenzene	ND	ug/L	1.00	3.33	1		12/01/06	LMP
1,2,4-Trimethylbenzene	11.3	ug/L	0.40	1.30	1		12/01/06	LMP
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	1.30	4.33	1		12/01/06	LMP
1,2-Dibromoethane (EDB)	ND	ug/L	1.10	3.70	1		12/01/06	LMP
1,2-Dichlorobenzene	ND	ug/L	0.60	2.00	1		12/01/06	LMP
1,2-Dichloroethane	ND	ug/L	0.40	1.33	1		12/01/06	LMP
1,2-Dichloropropane	ND	ug/L	0.40	1.33	1		12/01/06	LMP
1,3,5-Trimethylbenzene	2.76	ug/L	0.31	1.03	1		12/01/06	LMP
1,3-Dichlorobenzene	ND	ug/L	0.50	1.67	1		12/01/06	LMP
1,3-Dichloropropane	ND	ug/L	0.90	3.00	1		12/01/06	LMP
1,4-Dichlorobenzene	ND	ug/L	0.60	2.00	1		12/01/06	LMP
2,2-Dichloropropane	ND	ug/L	1.50	5.00	1		12/01/06	LMP
Benzene	2.26	ug/L	0.31	1.00	1		12/01/06	LMP
Bromobenzene	ND	ug/L	0.41	1.37	1		12/01/06	LMP

SIEMENS

Remedial Engineering, Inc.
 080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: MW5

Matrix: Ground Water

Sample Date/Time: 11/21/06 14:00

Lab No. 0611343-01

	<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 8310								
<i>Prep Method: Method 3510C Liquid Extraction</i>			<i>By: KAM</i>			<i>Date Prepared: 11/22/06</i>		
Methylnaphthalene	1.04	ug/L	0.075	0.244	0.939		11/28/06	LMP
2-Methylnaphthalene	1.33	ug/L	0.103	0.347	0.939		11/28/06	LMP
Acenaphthene	1.40	ug/L	0.056	0.188	0.939		11/28/06	LMP
Acenaphthylene	ND	ug/L	0.056	0.188	0.939		11/28/06	LMP
Anthracene	ND	ug/L	0.085	0.282	0.939		11/28/06	LMP
Benzo(a)anthracene	ND	ug/L	0.094	0.310	0.939		11/28/06	LMP
Benzo(a)pyrene	ND	ug/L	0.019	0.063	0.939		11/28/06	LMP
Benzo(b)fluoranthene	3.66	ug/L	0.019	0.063	0.939		11/28/06	LMP
Benzo(g,h,i)perylene	3.20	ug/L	0.056	0.188	0.939		11/28/06	LMP
Benzo(k)fluoranthene	2.59	ug/L	0.066	0.219	0.939		11/28/06	LMP
Benzofluoranthene	ND	ug/L	0.019	0.063	0.939		11/28/06	LMP
Dibenzo(a,h)anthracene	ND	ug/L	0.103	0.347	0.939		11/28/06	LMP
Fluoranthene	ND	ug/L	0.113	0.376	0.939		11/28/06	LMP
Fluorene	ND	ug/L	0.113	0.376	0.939		11/28/06	LMP
Indeno(1,2,3-cd)pyrene	1.89	ug/L	0.113	0.376	0.939		11/28/06	LMP
Naphthalene	ND	ug/L	0.103	0.347	0.939		11/28/06	LMP
Phenanthrene	3.87	ug/L	0.103	0.347	0.939		11/28/06	LMP
Pyrene	ND	ug/L	0.094	0.310	0.939		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 1080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: MW5 2-4

Matrix: Soil

Sample Date/Time: 11/21/06 9:25

Lab No. 0611343-02

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
PA 8021B Continued								
1,2-Dichloropropane	ND	mg/kg dry	0.026	0.027	1.09	CSL	12/04/06	LMP
Benzene	ND	mg/kg dry	0.018	0.027	1.09		12/04/06	LMP
Bromobenzene	ND	mg/kg dry	0.014	0.027	1.09		12/04/06	LMP
Bromochloromethane	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
Bromodichloromethane	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
Bromoform	ND	mg/kg dry	0.025	0.027	1.09		12/04/06	LMP
Bromomethane	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
c-1,2-Dichloroethene	ND	mg/kg dry	0.024	0.027	1.09		12/04/06	LMP
c-1,3-Dichloropropene	ND	mg/kg dry	0.025	0.027	1.09		12/04/06	LMP
Carbon Tetrachloride	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
Chlorobenzene	ND	mg/kg dry	0.018	0.027	1.09		12/04/06	LMP
Chlorodibromomethane	ND	mg/kg dry	0.022	0.027	1.09	CSL	12/04/06	LMP
Chloroethane	ND	mg/kg dry	0.022	0.027	1.09	LCH	12/04/06	LMP
Chloroform	ND	mg/kg dry	0.026	0.027	1.09		12/04/06	LMP
Chloromethane	ND	mg/kg dry	0.023	0.027	1.09	CSH, LCH	12/04/06	LMP
Bromomethane	ND	mg/kg dry	0.023	0.027	1.09		12/04/06	LMP
Dichlorodifluoromethane	ND	mg/kg dry	0.026	0.027	1.09		12/04/06	LMP
Ethylbenzene	ND	mg/kg dry	0.020	0.027	1.09		12/04/06	LMP
Hexachlorobutadiene	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
Isopropyl Ether	ND	mg/kg dry	0.027	0.027	1.09		12/04/06	LMP
Isopropylbenzene	ND	mg/kg dry	0.019	0.027	1.09		12/04/06	LMP
m-&p-Xylene	0.074	mg/kg dry	0.023	0.027	1.09		12/04/06	LMP
Diethyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.09		12/04/06	LMP
Methylene Chloride	ND	mg/kg dry	0.021	0.027	1.09		12/04/06	LMP
1,2-Naphthalene	ND	mg/kg dry	0.020	0.027	1.09		12/04/06	LMP
n-Butylbenzene	ND	mg/kg dry	0.026	0.027	1.09		12/04/06	LMP
n-Propylbenzene	ND	mg/kg dry	0.023	0.027	1.09		12/04/06	LMP
o-Chlorotoluene	ND	mg/kg dry	0.018	0.027	1.09		12/04/06	LMP
m-Xylene	ND	mg/kg dry	0.018	0.027	1.09		12/04/06	LMP
p-Chlorotoluene	ND	mg/kg dry	0.018	0.027	1.09		12/04/06	LMP
Isopropyltoluene	ND	mg/kg dry	0.026	0.027	1.09		12/04/06	LMP
secbutylbenzene	ND	mg/kg dry	0.023	0.027	1.09		12/04/06	LMP
Styrene	ND	mg/kg dry	0.016	0.027	1.09		12/04/06	LMP
1,2-Dichloroethene	ND	mg/kg dry	0.025	0.027	1.09		12/04/06	LMP
1,3-Dichloropropene	ND	mg/kg dry	0.023	0.027	1.09		12/04/06	LMP
Tertbutylbenzene	ND	mg/kg dry	0.024	0.027	1.09		12/04/06	LMP
1,1,2-Trichloroethene	ND	mg/kg dry	0.025	0.027	1.09		12/04/06	LMP
Toluene	ND	mg/kg dry	0.019	0.027	1.09		12/04/06	LMP

SIEMENS

Remedial Engineering, Inc.
 1080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attention: Matt Rahn

Sample ID: MW5 8-10

Matrix: Soil

Sample Date/Time: 11/21/06 9:45

Lab No. 0611343-03

	<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>
PA 160.3								
Total Solids	73.9	% by Weight	0.03	0.03	1		11/28/06	AMR
PA 3050B								
ICP Solid Metal Prep	Completed	N/A			1		11/27/06	DJB
PA 6010B - Total								
Total Arsenic	20.6	mg/kg dry	0.451	2.26	1		11/30/06	DJB
Total Barium	391	mg/kg dry	0.135	0.451	1		11/30/06	DJB
Total Cadmium	19.1	mg/kg dry	0.0766	2.26	1		11/30/06	DJB
Total Chromium	52.4	mg/kg dry	0.0720	2.26	1		11/30/06	DJB
Total Lead	1660	mg/kg dry	7.21	23.8	10		11/30/06	DJB
Total Selenium	1.10	mg/kg dry	0.811	2.70	1	J	11/30/06	DJB
Total Silver	1.26	mg/kg dry	0.270	1.13	1		11/30/06	DJB
PA 7471A - Total								
Total Mercury	2.99	mg/kg dry	0.387	1.30	20.4		11/28/06	JCH
PA 8021B								
1,1,2-Tetrachloroethane	ND	mg/kg dry	0.025	0.027	1.07	CSH	11/28/06	LMP
1,1,1-Trichloroethane	ND	mg/kg dry	0.020	0.027	1.07		11/28/06	LMP
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.025	0.027	1.07	CSH	11/28/06	LMP
1,1,2-Trichloroethane	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
1,1-Dichloroethane	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
1,1-Dichloroethene	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
1,1-Dichloropropene	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.023	0.027	1.07		11/28/06	LMP
1,2,3-Trichloropropane	ND	mg/kg dry	0.023	0.027	1.07	CSH	11/28/06	LMP
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.023	0.027	1.07		11/28/06	LMP
1,2,4-Trimethylbenzene	0.312	mg/kg dry	0.014	0.027	1.07		11/28/06	LMP
1,2-Dibromo-3-chloropropane (DBCP)	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
1,2-Dibromoethane (EDB)	ND	mg/kg dry	0.023	0.027	1.07		11/28/06	LMP
1,2-Dichlorobenzene	ND	mg/kg dry	0.016	0.027	1.07		11/28/06	LMP
1,2-Dichloroethane	ND	mg/kg dry	0.017	0.027	1.07	LCH, CSH	11/28/06	LMP
1,2-Dichloropropane	ND	mg/kg dry	0.020	0.027	1.07		11/28/06	LMP
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.019	0.027	1.07		11/28/06	LMP
1,3-Dichlorobenzene	ND	mg/kg dry	0.014	0.027	1.07		11/28/06	LMP
1,3-Dichloropropane	ND	mg/kg dry	0.022	0.027	1.07	LCH, CSH	11/28/06	LMP
1,4-Dichlorobenzene	ND	mg/kg dry	0.020	0.027	1.07		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 080 North 20th Avenue
 Vausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: MW5 8-10

Matrix: Soil

Sample Date/Time: 11/21/06 9:45

Lab No. 0611343-03

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
PA 8021B Continued								
Trichloroethene	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
Trichlorofluoromethane	ND	mg/kg dry	0.027	0.027	1.07	CSH	11/28/06	LMP
Vinyl Chloride	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP

EPA 8310

Prep Method: Method 3550B Ultrasonic Extraction

By: MLS

Date Prepared: 11/29/06

1-Methylnaphthalene	ND	mg/kg dry	0.0250	0.0812	5		12/06/06	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0277	0.0947	5		12/06/06	LMP
1,2,3,4-tetrahydronaphthalene	ND	mg/kg dry	0.0318	0.108	5		12/06/06	LMP
1,2,3,4-tetrahydronaphthalene	ND	mg/kg dry	0.0447	0.149	5		12/06/06	LMP
Anthracene	ND	mg/kg dry	0.0217	0.0724	5		12/06/06	LMP
Benzo(a)anthracene	ND	mg/kg dry	0.0277	0.0947	5		12/06/06	LMP
Benzo(a)pyrene	ND	mg/kg dry	0.0156	0.0521	5	CSL	12/06/06	LMP
Benzo(b)fluoranthene	0.355	mg/kg dry	0.0142	0.0474	5		12/06/06	LMP
Benzo(g,h,i)perylene	0.255	mg/kg dry	0.0271	0.0880	5		12/06/06	LMP
Benzo(k)fluoranthene	0.182	mg/kg dry	0.0196	0.0656	5		12/06/06	LMP
Chrysene	0.631	mg/kg dry	0.0156	0.0521	5		12/06/06	LMP
Fluorene	ND	mg/kg dry	0.0183	0.0609	5		12/06/06	LMP
Fluoranthene	ND	mg/kg dry	0.0176	0.0589	5		12/06/06	LMP
Fluorene	ND	mg/kg dry	0.0223	0.0744	5		12/06/06	LMP
Indeno(1,2,3-cd)pyrene	0.157	mg/kg dry	0.0149	0.0494	5		12/06/06	LMP
1,2,3,4-tetrahydronaphthalene	0.0645	mg/kg dry	0.0311	0.101	5	J	12/06/06	LMP
Phenanthrene	0.815	mg/kg dry	0.0277	0.0907	5		12/06/06	LMP
Pyrene	ND	mg/kg dry	0.0191	0.0635	5		12/06/06	LMP

SIEMENS

Remedial Engineering, Inc.
 7080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Att: Matt Rahn

Sample ID: SB4A 2-4

Matrix: Soil

Sample Date/Time: 11/21/06 10:30

Lab No. 0611343-04

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
PA 8021B Continued								
2,2-Dichloropropane	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
Benzene	ND	mg/kg dry	0.017	0.027	1.07		11/28/06	LMP
Bromobenzene	ND	mg/kg dry	0.014	0.027	1.07		11/28/06	LMP
Bromochloromethane	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
Bromodichloromethane	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
Bromoform	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
Bromomethane	ND	mg/kg dry	0.027	0.027	1.07	LCH, CSH	11/28/06	LMP
c-1,2-Dichloroethene	ND	mg/kg dry	0.024	0.027	1.07		11/28/06	LMP
c-1,3-Dichloropropene	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
Carbon Tetrachloride	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
Chlorobenzene	ND	mg/kg dry	0.017	0.027	1.07		11/28/06	LMP
Chlorodibromomethane	ND	mg/kg dry	0.021	0.027	1.07		11/28/06	LMP
Chloroethane	ND	mg/kg dry	0.021	0.027	1.07	LCH, CSH	11/28/06	LMP
Chloroform	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
Chloromethane	ND	mg/kg dry	0.022	0.027	1.07	LCH, CSH, DUP	11/28/06	LMP
Chlorobromomethane	ND	mg/kg dry	0.022	0.027	1.07		11/28/06	LMP
Dichlorodifluoromethane	ND	mg/kg dry	0.026	0.027	1.07	CSH	11/28/06	LMP
o-ethylbenzene	0.039	mg/kg dry	0.019	0.027	1.07		11/28/06	LMP
hexachlorobutadiene	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
Isopropyl Ether	ND	mg/kg dry	0.027	0.027	1.07		11/28/06	LMP
Isopropylbenzene	ND	mg/kg dry	0.018	0.027	1.07		11/28/06	LMP
m,p-Xylene	0.126	mg/kg dry	0.022	0.027	1.07		11/28/06	LMP
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.07		11/28/06	LMP
Methylene Chloride	ND	mg/kg dry	0.020	0.027	1.07	LCH, CSH	11/28/06	LMP
naphthalene	ND	mg/kg dry	0.019	0.027	1.07		11/28/06	LMP
n-Butylbenzene	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
n-Propylbenzene	ND	mg/kg dry	0.022	0.027	1.07		11/28/06	LMP
o-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.07		11/28/06	LMP
o-Xylene	0.038	mg/kg dry	0.017	0.027	1.07		11/28/06	LMP
p-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.07		11/28/06	LMP
o-Isopropyltoluene	ND	mg/kg dry	0.026	0.027	1.07		11/28/06	LMP
secbutylbenzene	ND	mg/kg dry	0.022	0.027	1.07		11/28/06	LMP
Styrene	ND	mg/kg dry	0.016	0.027	1.07		11/28/06	LMP
1,2-Dichloroethene	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
1,3-Dichloropropene	ND	mg/kg dry	0.022	0.027	1.07		11/28/06	LMP
Tertbutylbenzene	ND	mg/kg dry	0.024	0.027	1.07		11/28/06	LMP
tetrachloroethene	ND	mg/kg dry	0.025	0.027	1.07		11/28/06	LMP
toluene	ND	mg/kg dry	0.018	0.027	1.07		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 180 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Contact: Matt Rahn

Sample ID: SB4B 0-2

Matrix: Soil

Sample Date/Time: 11/21/06 12:15

Lab No. 0611343-05

	<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>
PA 160.3								
Total Solids	95.5	% by Weight	0.03	0.03	1		11/28/06	AMR
PA 3050B								
ICP Solid Metal Prep	Completed	N/A			1		11/27/06	DJB
PA 6010B - Total								
Total Arsenic	3.84	mg/kg dry	0.349	1.75	1		11/30/06	DJB
Total Barium	56.6	mg/kg dry	0.105	0.349	1		11/30/06	DJB
Total Cadmium	ND	mg/kg dry	0.0593	1.75	1		11/30/06	DJB
Total Chromium	4.95	mg/kg dry	0.0557	1.75	1		11/30/06	DJB
Total Lead	9.23	mg/kg dry	0.558	1.84	1		11/30/06	DJB
Total Selenium	ND	mg/kg dry	0.627	2.09	1		11/30/06	DJB
Total Silver	ND	mg/kg dry	0.209	0.872	1		11/30/06	DJB
PA 7471A - Total								
Total Mercury	ND	mg/kg dry	0.033	0.111	2.25		11/28/06	JCH
PA 8021B								
1,1,2-Tetrachloroethane	ND	mg/kg dry	0.023	0.025	1.01	CSH	11/28/06	LMP
1,1,1-Trichloroethane	ND	mg/kg dry	0.019	0.025	1.01		11/28/06	LMP
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.023	0.025	1.01	CSH	11/28/06	LMP
1,1,2-Trichloroethane	ND	mg/kg dry	0.024	0.025	1.01		11/28/06	LMP
1,1,1-Dichloroethane	ND	mg/kg dry	0.025	0.025	1.01		11/28/06	LMP
1,1,1-Dichloroethene	ND	mg/kg dry	0.024	0.025	1.01		11/28/06	LMP
1,1,1-Dichloropropene	ND	mg/kg dry	0.024	0.025	1.01		11/28/06	LMP
1,1,2,3-Trichlorobenzene	ND	mg/kg dry	0.022	0.025	1.01		11/28/06	LMP
1,1,2,3-Trichloropropane	ND	mg/kg dry	0.022	0.025	1.01	CSH	11/28/06	LMP
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.022	0.025	1.01		11/28/06	LMP
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.013	0.025	1.01		11/28/06	LMP
1,2-Dibromo-3-chloropropane (DBCP)	ND	mg/kg dry	0.023	0.025	1.01		11/28/06	LMP
1,2-Dibromoethane (EDB)	ND	mg/kg dry	0.022	0.025	1.01		11/28/06	LMP
1,2-Dichlorobenzene	ND	mg/kg dry	0.015	0.025	1.01		11/28/06	LMP
1,2-Dichloroethane	ND	mg/kg dry	0.016	0.025	1.01	LCH, CSH	11/28/06	LMP
1,2-Dichloropropane	ND	mg/kg dry	0.019	0.025	1.01		11/28/06	LMP
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.018	0.025	1.01		11/28/06	LMP
1,3-Dichlorobenzene	ND	mg/kg dry	0.013	0.025	1.01		11/28/06	LMP
1,3-Dichloropropane	ND	mg/kg dry	0.021	0.025	1.01	LCH, CSH	11/28/06	LMP
1,4-Dichlorobenzene	ND	mg/kg dry	0.019	0.025	1.01		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 1080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: SB4B 0-2

Matrix: Soil

Sample Date/Time: 11/21/06 12:15

Lab No. 0611343-05

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
PA 8021B Continued								
Trichloroethene	ND	mg/kg dry	0.023	0.025	1.01		11/28/06	LMP
Trichlorofluoromethane	ND	mg/kg dry	0.025	0.025	1.01	CSH	11/28/06	LMP
Vinyl Chloride	ND	mg/kg dry	0.024	0.025	1.01		11/28/06	LMP

PA 8310

Rep Method: Method 3550B Ultrasonic Extraction

By: MLS

Date Prepared: 11/29/06

1-Methylnaphthalene	ND	mg/kg dry	0.0039	0.0126	1		12/04/06	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0043	0.0147	1		12/04/06	LMP
Acenaphthene	ND	mg/kg dry	0.0049	0.0168	1		12/04/06	LMP
Acenaphthylene	ND	mg/kg dry	0.0069	0.0230	1		12/04/06	LMP
Anthracene	ND	mg/kg dry	0.0034	0.0112	1		12/04/06	LMP
Benzo(a)anthracene	0.0165	mg/kg dry	0.0043	0.0147	1		12/04/06	LMP
Benzo(a)pyrene	0.0394	mg/kg dry	0.0024	0.0081	1	CSL	12/04/06	LMP
Benzo(b)fluoranthene	0.0340	mg/kg dry	0.0022	0.0073	1		12/04/06	LMP
Benzo(g,h,i)perylene	0.0424	mg/kg dry	0.0042	0.0136	1		12/04/06	LMP
Benzo(k)fluoranthene	0.0167	mg/kg dry	0.0030	0.0102	1		12/04/06	LMP
Chrysene	0.0310	mg/kg dry	0.0024	0.0081	1		12/04/06	LMP
Fluorene	ND	mg/kg dry	0.0028	0.0094	1		12/04/06	LMP
Fluoranthene	0.0540	mg/kg dry	0.0027	0.0091	1		12/04/06	LMP
Fluorene	ND	mg/kg dry	0.0035	0.0115	1		12/04/06	LMP
Indeno(1,2,3-cd)pyrene	0.0322	mg/kg dry	0.0023	0.0076	1		12/04/06	LMP
Phenanthrene	0.0120	mg/kg dry	0.0043	0.0140	1	J	12/04/06	LMP
Pyrene	0.0355	mg/kg dry	0.0030	0.0098	1		12/04/06	LMP

SIEMENS

Remedial Engineering, Inc.
 4080 North 20th Avenue
 Nausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: SB4B 6-8

Matrix: Soil

Sample Date/Time: 11/21/06 12:30

Lab No. 0611343-06

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
EPA 8021B Continued								
2,2-Dichloropropane	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
Benzene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
Bromobenzene	ND	mg/kg dry	0.014	0.027	1.08		11/28/06	LMP
Bromochloromethane	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Bromodichloromethane	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Bromoform	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
Bromomethane	ND	mg/kg dry	0.027	0.027	1.08	LCH, CSH	11/28/06	LMP
c-1,2-Dichloroethene	ND	mg/kg dry	0.024	0.027	1.08		11/28/06	LMP
c-1,3-Dichloropropene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
Carbon Tetrachloride	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Chlorobenzene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
Chlorodibromomethane	ND	mg/kg dry	0.022	0.027	1.08		11/28/06	LMP
Chloroethane	ND	mg/kg dry	0.022	0.027	1.08	LCH, CSH	11/28/06	LMP
Chloroform	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
Chloromethane	ND	mg/kg dry	0.023	0.027	1.08	LCH, CSH, DUP	11/28/06	LMP
Dibromomethane	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Dichlorodifluoromethane	ND	mg/kg dry	0.026	0.027	1.08	CSH	11/28/06	LMP
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.08		11/28/06	LMP
Hexachlorobutadiene	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Isopropyl Ether	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Isopropylbenzene	ND	mg/kg dry	0.018	0.027	1.08		11/28/06	LMP
m,p-Xylene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
n-Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.08		11/28/06	LMP
Methylene Chloride	ND	mg/kg dry	0.020	0.027	1.08	LCH, CSH	11/28/06	LMP
naphthalene	ND	mg/kg dry	0.019	0.027	1.08		11/28/06	LMP
n-Butylbenzene	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
n-Propylbenzene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
o-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
o-Xylene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
p-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
p-Isopropyltoluene	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
secbutylbenzene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Styrene	ND	mg/kg dry	0.016	0.027	1.08		11/28/06	LMP
1,2-Dichloroethene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
1,3-Dichloropropene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Tertbutylbenzene	ND	mg/kg dry	0.024	0.027	1.08		11/28/06	LMP
Tetrachloroethene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
toluene	ND	mg/kg dry	0.018	0.027	1.08		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 1080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Contact: Matt Rahn

Sample ID: SB6A 2-4

Matrix: Soil

Sample Date/Time: 11/21/06 11:15

Lab No. 0611343-07

	<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>
PA 160.3								
Total Solids	91.6	% by Weight	0.03	0.03	1		11/28/06	AMR
PA 3050B								
ICP Solid Metal Prep	Completed	N/A			1		11/27/06	DJB
PA 6010B - Total								
Total Arsenic	3.12	mg/kg dry	0.364	1.82	1		11/30/06	DJB
Total Barium	ND	mg/kg dry	0.109	0.364	1		11/30/06	DJB
Total Cadmium	0.169	mg/kg dry	0.0618	1.82	1	J	11/30/06	DJB
Total Chromium	5.82	mg/kg dry	0.0581	1.82	1		11/30/06	DJB
Total Lead	26.3	mg/kg dry	0.582	1.92	1		11/30/06	DJB
Total Selenium	ND	mg/kg dry	0.654	2.18	1		11/30/06	DJB
Total Silver	ND	mg/kg dry	0.218	0.909	1		11/30/06	DJB
PA 7471A - Total								
Total Mercury	ND	mg/kg dry	0.037	0.123	2.4		11/28/06	JCH
PA 8021B								
1,1,2-Tetrachloroethane	ND	mg/kg dry	0.026	0.028	1.13	CSH	11/28/06	LMP
1,1,1-Trichloroethane	ND	mg/kg dry	0.022	0.028	1.13		11/28/06	LMP
1,1,2,2-Tetrachloroethane	ND	mg/kg dry	0.026	0.028	1.13	CSH	11/28/06	LMP
1,1,2-Trichloroethane	ND	mg/kg dry	0.027	0.028	1.13		11/28/06	LMP
1,1-Dichloroethane	ND	mg/kg dry	0.028	0.028	1.13		11/28/06	LMP
1,1-Dichloroethene	ND	mg/kg dry	0.027	0.028	1.13		11/28/06	LMP
1,1-Dichloropropene	ND	mg/kg dry	0.027	0.028	1.13		11/28/06	LMP
1,2,3-Trichlorobenzene	ND	mg/kg dry	0.025	0.028	1.13		11/28/06	LMP
1,2,3-Trichloropropane	ND	mg/kg dry	0.025	0.028	1.13	CSH	11/28/06	LMP
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.025	0.028	1.13		11/28/06	LMP
1,2,4-Trimethylbenzene	ND	mg/kg dry	0.015	0.028	1.13		11/28/06	LMP
1,2-Dibromo-3-chloropropane (DBCP)	ND	mg/kg dry	0.026	0.028	1.13		11/28/06	LMP
1,2-Dibromoethane (EDB)	ND	mg/kg dry	0.025	0.028	1.13		11/28/06	LMP
1,2-Dichlorobenzene	ND	mg/kg dry	0.017	0.028	1.13		11/28/06	LMP
1,2-Dichloroethane	ND	mg/kg dry	0.018	0.028	1.13	LCH, CSH	11/28/06	LMP
1,2-Dichloropropane	ND	mg/kg dry	0.022	0.028	1.13		11/28/06	LMP
1,3,5-Trimethylbenzene	ND	mg/kg dry	0.020	0.028	1.13		11/28/06	LMP
1,3-Dichlorobenzene	ND	mg/kg dry	0.015	0.028	1.13		11/28/06	LMP
1,3-Dichloropropane	ND	mg/kg dry	0.024	0.028	1.13	LCH, CSH	11/28/06	LMP
1,4-Dichlorobenzene	ND	mg/kg dry	0.022	0.028	1.13		11/28/06	LMP

SIEMENS

Remedial Engineering, Inc.
 080 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: SB6A 2-4

Matrix: Soil

Sample Date/Time: 11/21/06 11:15

Lab No. 0611343-07

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
PA 8021B Continued								
Trichloroethene	ND	mg/kg dry	0.026	0.028	1.13		11/28/06	LMP
Trichlorofluoromethane	ND	mg/kg dry	0.028	0.028	1.13	CSH	11/28/06	LMP
Vinyl Chloride	ND	mg/kg dry	0.027	0.028	1.13		11/28/06	LMP

PA 8310

Rep Method: Method 3550B Ultrasonic Extraction

By: MLS

Date Prepared: 11/29/06

1-Methylnaphthalene	ND	mg/kg dry	0.0040	0.0131	1		12/04/06	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0045	0.0153	1		12/04/06	LMP
Acenaphthene	ND	mg/kg dry	0.0051	0.0175	1		12/04/06	LMP
Acenaphthylene	ND	mg/kg dry	0.0072	0.0240	1		12/04/06	LMP
Anthracene	0.0224	mg/kg dry	0.0035	0.0117	1		12/04/06	LMP
Benzo(a)anthracene	0.0626	mg/kg dry	0.0045	0.0153	1		12/04/06	LMP
Benzo(a)pyrene	0.0839	mg/kg dry	0.0025	0.0084	1	CSL	12/04/06	LMP
Benzo(b)fluoranthene	0.0855	mg/kg dry	0.0023	0.0076	1		12/04/06	LMP
Benzo(g,h,i)perylene	0.0728	mg/kg dry	0.0044	0.0142	1		12/04/06	LMP
Benzo(k)fluoranthene	0.0350	mg/kg dry	0.0032	0.0106	1		12/04/06	LMP
Chrysene	0.0917	mg/kg dry	0.0025	0.0084	1		12/04/06	LMP
Fluorene	0.0063	mg/kg dry	0.0036	0.0120	1	J	12/04/06	LMP
Indeno(1,2,3-cd)pyrene	0.0535	mg/kg dry	0.0024	0.0080	1		12/04/06	LMP
Phenanthrene	0.0692	mg/kg dry	0.0045	0.0146	1		12/04/06	LMP
Pyrene	0.0716	mg/kg dry	0.0031	0.0103	1		12/04/06	LMP

SIEMENS

Remedial Engineering, Inc.
 380 North 20th Avenue
 Wausau, WI 54401

PROJECT NO. : 4313
 REPORT NO. : 0611343
 DATE REC'D : 11/21/06 15:19
 REPORT DATE 12/07/06 13:16
 PREPARED BY : JRS

Attn: Matt Rahn

Sample ID: SB7A 0-2

Matrix: Soil

Sample Date/Time: 11/21/06 11:45

Lab No. 0611343-08

	<u>Results</u>	<u>Units</u>	<u>LOD</u>	<u>LOQ</u>	<u>Dilution</u> <u>Factor</u>	<u>Qualifiers</u>	<u>Date</u> <u>Analyzed</u>	<u>Analyst</u>
PA 8021B Continued								
2,2-Dichloropropane	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
Benzene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
Bromobenzene	ND	mg/kg dry	0.014	0.027	1.08		11/28/06	LMP
Bromochloromethane	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Bromodichloromethane	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Bromoform	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
Bromomethane	ND	mg/kg dry	0.027	0.027	1.08	LCH, CSH	11/28/06	LMP
c-1,2-Dichloroethene	ND	mg/kg dry	0.024	0.027	1.08		11/28/06	LMP
c-1,3-Dichloropropene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
Carbon Tetrachloride	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Chlorobenzene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
Chlorodibromomethane	ND	mg/kg dry	0.022	0.027	1.08		11/28/06	LMP
Chloroethane	ND	mg/kg dry	0.022	0.027	1.08	LCH, CSH	11/28/06	LMP
Chloroform	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
Chloromethane	ND	mg/kg dry	0.023	0.027	1.08	LCH, CSH, DUP	11/28/06	LMP
Dibromomethane	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Dichlorodifluoromethane	ND	mg/kg dry	0.026	0.027	1.08	CSH	11/28/06	LMP
Ethylbenzene	ND	mg/kg dry	0.019	0.027	1.08		11/28/06	LMP
Hexachlorobutadiene	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Isopropyl Ether	ND	mg/kg dry	0.027	0.027	1.08		11/28/06	LMP
Isopropylbenzene	ND	mg/kg dry	0.018	0.027	1.08		11/28/06	LMP
m,p-Xylene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Methyl Tert Butyl Ether	ND	mg/kg dry	0.012	0.027	1.08		11/28/06	LMP
Methylene Chloride	ND	mg/kg dry	0.020	0.027	1.08	LCH, CSH	11/28/06	LMP
Naphthalene	ND	mg/kg dry	0.019	0.027	1.08		11/28/06	LMP
n-Butylbenzene	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
n-Propylbenzene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
o-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
o-Xylene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
p-Chlorotoluene	ND	mg/kg dry	0.017	0.027	1.08		11/28/06	LMP
p-Isopropyltoluene	ND	mg/kg dry	0.026	0.027	1.08		11/28/06	LMP
Secbutylbenzene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Styrene	ND	mg/kg dry	0.016	0.027	1.08		11/28/06	LMP
c-1,2-Dichloroethene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
c-1,3-Dichloropropene	ND	mg/kg dry	0.023	0.027	1.08		11/28/06	LMP
Tertbutylbenzene	ND	mg/kg dry	0.024	0.027	1.08		11/28/06	LMP
Tetrachloroethene	ND	mg/kg dry	0.025	0.027	1.08		11/28/06	LMP
Toluene	ND	mg/kg dry	0.018	0.027	1.08		11/28/06	LMP

SIEMENS

Qualifier Descriptions

S2L	Second sample matrix spike recovery was low.
LCL	Laboratory control sample exhibited a low bias. Sample results may also be biased low.
LCH	Laboratory control sample exhibited a high bias. Sample results may also be biased high.
J	Estimated concentration below laboratory quantitation level.
DUP	Result of duplicate analysis in this quality assurance batch exceeds the limits for precision.
CSL	Check standard for this analyte exhibited a low bias. Sample results may also be biased low.
CSH	Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
COMP	Completed

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 = picocurie per Liter
mL/L = milliliters/Liter
mg = milligram

ug/l = Microgram per Liter = parts per billion (ppb)
ug/kg = Microgram per kilogram = parts per billion (ppb)
mg/l = Milligram per liter parts per million (ppm)
mg/kg = Milligram per kilogram parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m³ = Milligrams/ 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.

APPENDIX E

**SOIL HAZARD DETERMINATION AND HUMAN HEALTH
EVALUATION**

EVALUATION OF APPLICABLE CLEANUP CRITERIA

Contaminant Sources and Exposure Pathways

Potential improper handling of parts cleaner/degreaser liquids, known to contain Tetrachloroethene (PCE), may be the source for the PCE impacted soil at the Undeveloped Rosemurgy Property..

Volatilization and subsequent vapor migration within the unsaturated soils may be an exposure pathway and will be addressed in later sections of this report.

Soil and Groundwater Remediation Target Levels

Soil samples were obtained to describe the lateral and vertical extent of PCE contamination in the subsurface. The State of Wisconsin does not have a maximum allowable PCE soil contaminant concentration. REI accessed the United States Environmental Protection Agency (US EPA) database to determine the maximum allowable soil screening level (SSL). Modifications to the US EPA SSL database included the reduction of the dilution factor default value of 1.0 and the fraction of organic carbon to 0.1%. Additionally the SSL value was corrected to be representative of the State of Wisconsin NR 140 Preventive Action Limit (PAL) which is more conservative than the federal maximum contaminant level.

Results of the US EPA SSL for soil to groundwater calculations determined a maximum allowable PCE concentration of 2.1 ppb (calculations presented at the end of Appendix E). Please note that this concentration is significantly less than the minimum laboratory detection limits of 25 µg/kg.

Appendix A of the Technical Background Document (EPA, 1996) lists generic SSL's for common contaminants found at National Priority List (NPL) sites. Calculations used a dilution attenuation factor (DAF) of 1, assuming that no dilution or attenuation is expected at the site. Risk conditions are eliminated if the reported concentrations are less than the SSL. The SSL for PCE contamination from the soil to the groundwater for a DAF of one (1) is 0.003 mg/kg or 3.0 µg/kg. Please note that this concentration is again below the achievable laboratory limit of detection.

Soil sample Maxim SB-5 at 4', the soil sample with the highest detectable concentration, collected from 4 feet below grade reported a combined halogenated chlorinated concentration of 3.18 ppm. Based on this result, the waste observed at the Undeveloped Rosemurgy Property site would not be listed as a hazardous waste.

NR 605.09(3) covers releases of commercial chemical products, including PCE, that are described as hazardous if they are, potentially in the case of Undeveloped Rosemurgy Property, applied to the land in lieu of the intended original use. According to NR 605.09(3) the release of the PCE, hazardous waste number U210, into the soil would require the soil to be classified as a hazardous waste. Hazardous waste number U210, as described in NR 605.09(3) again has a Hazard Code of (T) for a toxic waste characterization.

It has been determined that a release to the environment of the compound tetrachloroethylene (PCE) has been listed as a hazardous waste based on toxicity potential. The State of Wisconsin has generated information for the proper handling of hazardous waste. The Guidance for Hazardous Waste Remediation describes the proposed methodology on hazardous waste determination and handling.

The main factors in determining whether the contaminated soil will be a regulated hazardous waste depends on the date of the release, whether the release was a waste or product at the time of the release and if the contamination will be actively managed. Since the time period covering the potential release is not known, the soil at Rosemurgy Motors Property may or may not have been impacted from a confirmed hazardous material that was listed at the time of the release.

The final factor in determining the classification would be whether the remediation of the contaminated media would be in-situ or ex-situ. In-situ remediation would allow for the non-hazardous, solid waste, classification of the impacted soil. Ex-situ remediation would require that the impacted soil be classified as hazardous waste if the reported concentration exceeds the allowable threshold concentration of 10,000 ppm.

most susceptible to reductive dechlorination because it is highly oxidized and ethene is least susceptible to reductive dechlorination because it is least oxidized. As a result the rate of reductive dechlorination decreases with respect to the reduction in chlorinated compounds.

Partial dechlorination, when the reductive dechlorination process is not complete, leads to the increase of daughter compounds such as trichloroethylene, cis-1,2-dichloroethene and vinyl chloride. Partial dechlorination occurs as bacteria deplete the available source of naturally occurring electron acceptors. Oxygen is the most common electron acceptor in groundwater and once the oxygen has been depleted, preferential depletion of electron acceptors includes nitrate, manganese, ferric iron, sulfate and carbon dioxide occurs (Montgomery and others, 1994).

Reductive dechlorination of PCE to trichloroethylene and cis-1,2-dichloroethene can be accomplished using nitrate, manganese and ferric iron as the electron acceptors. Complete reductive dechlorination of PCE to ethene would require stronger reducing conditions to allow sulfate and carbon dioxide to be used as electron acceptors. Most reductive dechlorination processes end in partial dechlorination because of the lack of sufficient electron donors.

Oxidative destruction can occur under either aerobic or anaerobic conditions. Highly oxidized compounds such as PCE are not subject to oxidation, but the partially reduced daughter compounds may be oxidized.

Abiotic destruction is the reduction of chlorinated compounds in the absence of microbial intervention. Abiotic processes are an extremely slow but important process in the degradation of chlorinated compounds.

HUMAN HEALTH EVALUATION

Fate and Transport

Two types of exposure pathways are identified at the site, direct and indirect exposure pathways. Direct exposure pathway, in which the receptor comes in direct contact with the affected source medium (examples include: soil ingestion, dissolved or free-phase groundwater plume ingestion/drinking). Indirect exposure pathways, in which exposure occurs at a different location or in a

The exposure assessment at the Undeveloped Rosemurgy Property site should include future development plans for the property.

Exposure Assessment Results

One of the three components of the actual threat equation, a known soil source, is exists at the Undeveloped Rosemurgy Property site, and a potential threat from volatilization of the known soil source to the air as the transport medium.

Risk Characterization

The laboratory analyzed soil contaminant concentrations collected from the site in conjunction with the potential for vapor migration from the known soil source form the contaminant source and exposure pathway in the risk assessment. The list of current potential receptors should include, but not be limited to, ingestion of the soil and inhalation of the off-gas vapors emanating from the soil.

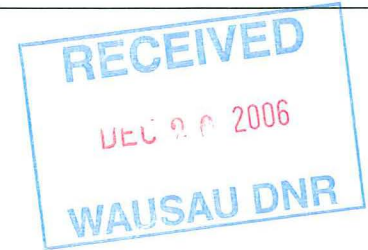
The Undeveloped Rosemurgy Property is serviced by the City of Wausau sewer and water district and no known potable water supply wells exist in the area surrounding the Undeveloped Rosemurgy Property. Ingestion and inhalation risk will likely increase with any proposed redevelopment of the site. Risk screening based on the US EPA database has been conducted for both ingestion of the soil and inhalation of both dust and off-gas vapors from the site. Determination of the risk screening values were based on the default values generated by the US EPA.

Appendix A of the Technical Background Document (EPA, 1996) lists generic SSL's for common contaminants found at National Priority List (NPL) sites. The ingestion and inhalation thresholds for PCE are 12 ppm and 11 ppm respectively. Risk conditions are eliminated if the reported concentrations are less than the SSL. The maximum reported concentration of PCE in the soil was 3.18 ppm from a depth of four feet at Maxim SB-5.



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

December 182006



Wisconsin Department of Natural Resources
Attn: Ms. Lisa Gutknecht
5301 Rib Mountain Drive
Wausau, WI 54401



Subject: Phase II Site Investigation Report
Undeveloped Rosemurgy Property, 218 South 4th Street, Wausau, WI
WDNR BRRTS # 02-37-548031

Dear Lisa,

REI Engineering, Inc., (REI) on behalf of the City of Wausau and Mr. Bob Rosemurgy is submitting the results of the Phase II Site Investigation Report for the above referenced property. Initial Phase II activities were conducted on behalf of the City of Wausau. Subsequent work was completed on behalf of City of Wausau and Mr. Bob Rosemurgy.

Due to high levels of PCE, TCE and PAH impacted soils, REI is recommending sampling and proper disposal of any excavated soils. Upon completion of site work, the site should be eligible for closure with a GIS registry on the remaining soil contamination after minimal groundwater sampling.

Thank you for your assistance with this project. Please call or e-mail with questions or concerns at your earliest convenience.

Sincerely,
REI Engineering, Inc.

A handwritten signature in black ink that reads "Matthew W. Rahn".

Matthew W. Rahn
Environmental Scientist

Enclosure A/S

cc: Dave Erickson, City of Wausau, 407 Grant Street, Wausau, WI 54403
Mr. Jim Robin, 1907 Wayzata Blvd, Wayzata, MN 55391