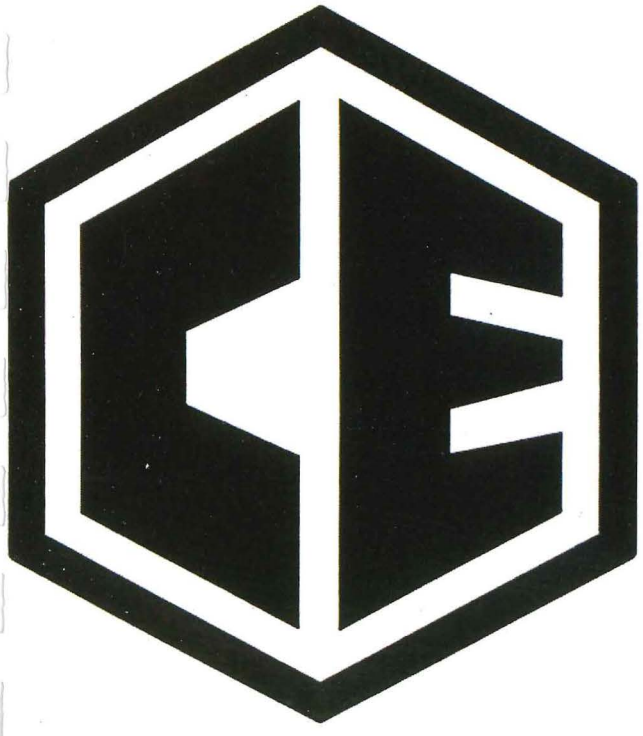
03-26-000788
Rec 3/9/11
Put on BRRTS
3/9/11
(29)

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FOR

FORMER THOMAS SERVICE STATION
55 WISCONSIN AVENUE
MONTREAL, IRON COUNTY, WISCONSIN
MARCH 2011



Coleman Engineering

Civil Engineering • Environmental Engineering
Geotechnical Engineering • Land Surveying • Test Drilling
Construction Quality Control • Materials Laboratory Testing

Coleman Engineering Co.

635 Circle Drive • Iron Mountain, MI 49801 • e-mail: ironmountain@coleman-engineering.com
phone: (906) 774-3440 • fax: (906) 774-7776 • www.coleman-engineering.com

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John R. Garske, P.S.
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James H. Moore, P.S.
Vice President

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Vice President

John E. Edlebeck
Vice President

Civil Engineering

Environmental Engineering

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Land Surveying

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Materials Laboratory Testing

Office also located at:
200 East Ayer Street
Ironwood, MI 49938
phone: (906) 932-5048
fax: (906) 932-3213

March 7, 2011

Mr. Thomas Bergman
Iron County Zoning Administrator
300 Taconite Street
Hurley, WI 54534-1546

RE: Phase II Environmental Site Assessment
Former Thomas Service Station

Dear Mr. Bergman:

Attached please find a final copy of a Phase II Environmental Site Assessment for the former Thomas Service Station in the City of Montreal.

Thank you again for allowing Coleman Engineering Company to provide Iron County with professional engineering services. If you have any questions, do not hesitate to contact me at 906-774-3440.

Sincerely,

COLEMAN ENGINEERING COMPANY

John T. Hunt, by PB

John T. Hunt, P.G.
Geologist

Enclosure

cc: WDNR-P. Richard

f:\data\10000\10201 - iron county wi - thomas service phase 1 esa\phase ii esa\cover ltr.doc

PHASE II ENVIRONMENTAL SITE ASSESSMENT

FOR

FORMER THOMAS SERVICE STATION
55 WISCONSIN AVENUE
MONTREAL, IRON COUNTY, WISCONSIN

MARCH 2011

COLEMAN ENGINEERING COMPANY
635 Circle Drive
Iron Mountain, MI 49801

CEC Project #EE-10201A

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APPENDICES

PHASE II ENVIRONMENTAL SITE ASSESSMENT
FOR
FORMER THOMAS SERVICE STATION
55 WISCONSIN AVENUE
MONTREAL, WISCONSIN

1.0 INTRODUCTION

In the early 1990's the Wisconsin Department of Transportation (WisDOT) planned to reconstruct State Highway 77 (Wisconsin Avenue) through Montreal, Wisconsin. As part of the pre-construction planning, WisDOT identified the former Thomas Service Station, 55 Wisconsin Avenue, Montreal, Wisconsin, (Site) as a place of potential contamination. WisDOT contracted Enviroscience Inc. of Eau Claire, Wisconsin, to perform a Phase II Environmental Site Assessment (ESA) along State Highway 77 including in the right-of-way at the Subject Property. The Enviroscience Phase II ESA found slightly impacted soil in the Subject Property State Highway 77 right-of-way. This finding resulted with the July 1994 listing of the Subject Property as a Wisconsin Department of Natural Resources (DNR) Leaking Underground Storage Tank (LUST) site. In October 2010 ownership of the Subject Property was obtained by Iron County through tax default.

Subject Property location maps are attached to this report in Appendix A. The July 1994 Enviroscience Phase II ESA is included in Appendix B.

In June 2010 Coleman Engineering Company (CEC) was retained by Iron County to conduct a Phase I ESA in accordance with American Society for Testing and Materials E 1527-05 Standard Practice for Environmental Site Assessments. The Phase I ESA resulted in the identification of several recognized environmental conditions (RECs) regarding the property at the former Subject Property.

The term REC generally means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release or material threat of release into structures on the property, onto the ground, or into groundwater or surface water of the property. The term includes hazardous substances or petroleum products even when in compliance with applicable regulations. Specific RECs identified for this investigation were the following:

- The Subject Property is listed by the DNR as a LUST Site (BRRTS # 03-26-000788). This indicates the Subject Property is a source of a release of a hazardous substance(s) to the environment and is, therefore, considered a REC.

- Underground storage tanks (USTs) were reported and observed on the Subject Property. The presence of a petroleum retailer indicates large quantities of hazardous materials had been stored on the Subject Property in USTs and aboveground storage tanks (ASTs). The presence of these USTs containing fluid presents evidence for the potential of a release of a possible petroleum product and a material threat of a release of a petroleum product to the environment at the Subject Property and is, therefore, considered a REC.

- The Subject Property was an operating service station from the 1940s (or before) to the mid-1980s. The disposal of automotive fluids at service stations of the 1940s through the 1960s was often via on-site land application. The presence of this historic former service station site presents evidence for the potential of a release of possible petroleum products to the environment at the Subject Property and is, therefore, considered a REC.

- The wastewater discharge from the service station was reportedly directly into the West Branch of the Montreal River until the station closed in the 1980s. This indicates the Subject Property was a source of a release of potentially hazardous substance(s) to the environment and is, therefore, considered a REC.

To further assess the release(s) associated with the former Thomas Service Station, a Phase II ESA was conducted in accordance with American Society for Testing and Materials (ASTM) Designation E 2247-08. In addition the two (2) existing USTs on the Subject Property were removed; this report includes documentation of the tank removal.

2.0 UNDERGROUND STORAGE TANK REMOVAL

During the Phase I ESA site reconnaissance, two (2) USTs were observed on the Subject Property. It was also observed that the USTs were filled with fluid. In an interview with the former owner of the Subject Property it was learned the tanks were of 1,000 gallon capacity and they had been filled with water and stabilizing solution in the early 1990's when the station closed for business.

CEC contracted SGS Environmental Contracting, LLC of Merrill, Wisconsin, to remove the USTs and provide disposal and/or treatment of all associated wastes. On September 15th, 2010, SGS mobilized to the Subject Property to perform the tank removal. A UST site assessment (as per Department of Commerce COMM 10) was not performed as the Subject Property was already a DNR listed LUST site with a BRRTS identification number (03-26-000788).

The water in the USTs had been approved for treatment by Mr. Mark Bowman, Manager/Operator of the Gogebic-Iron Wastewater Treatment Authority facility in Ironwood, Michigan. Approximately 1,500 gallons were transported to the Gogebic-Iron Wastewater Treatment Authority facility in Ironwood, Michigan, on September 15, 2011. One (1) drum of sludge from cleaning out the USTs was disposed of by Chief Waste Treatment Corp. Winneconne, Wisconsin. The USTs and associated piping was removed from the Subject Property and recycled as scrap metal at Schulz's Recycling Inc. Merrill, Wisconsin. The UST excavation was backfilled with clean imported soil.

Prior to backfilling the UST excavation, two (2) soil samples and a groundwater sample were retrieved from the UST excavation. The two (2) soil samples were retrieved from the excavation sidewalls and the groundwater sample was grabbed from pooled water in the bottom of the excavation. The samples were collected as part of this Phase II ESA and are discussed in Section 3.0.

Documentation of UST removal and materials disposal is included in Appendix B.

3.0 PHASE II PROCEDURES

Field Procedures and Soil Conditions

CEC mobilized on November 17, 2010 to the Subject Property to inspect and sample areas associated with the RECs identified in the Phase I ESA. Location maps and a site map with the sample locations are included as Appendix A.

A total of nine (9) borings were advanced at the Subject Property on November 17, 2010 using a GeoProbe direct push drilling rig. A portion of each soil sample from every boring was preserved for laboratory analysis.

In three (3) of the borings, a temporary well was installed for the collection of a water sample laboratory analysis. The temporary wells were constructed of 1 inch diameter PVC screen and riser.

Samples selected for laboratory analysis were transported on ice to Pace Analytical, Green Bay, Wisconsin under chain-of-custody protocol. The samples were analyzed for petroleum volatile organic compounds plus napthalene (PVOC+Nap).

Soil conditions encountered were varied from fill materials to native peat and till. The till is red, silty sand with varying amounts of gravel and clay. Sand and gravel fill was found from ground surface to 1-2 feet below ground surface (BGS). Peat was found underlying the sand and gravel to 3-4 feet BGS with till underlying the peat. Probe refusal, assumed bedrock, was encountered between 5 and 8 feet in all borings. Groundwater was encountered at approximately 5-6 feet BGS in all borings. Boring locations are displayed on Figure 3 and a geologic cross section is included as Figure 6 in Appendix A; boring logs are included in Appendix C. Groundwater flow is assumed to be in a westerly direction toward the West Branch of the Montreal River approximately 100 yards from the Subject Property.

The site assessment was limited in depth as all borings encountered refusal between 5 and 8 feet BGS. This refusal is assumed to be bedrock, Precambrian banded iron formation, as there are several outcrops in the vicinity.

Sample Analyses Results

A total of eleven (11) soil samples and four (4) water samples were collected from the Subject Property and submitted for laboratory analysis during the two (2) field efforts performed by CEC in 2010. Two (2) soil samples and one (1) groundwater sample were collected as part of the September 15, 2010 tank removal and nine (9) soil samples and three (3) water samples were collected as part of the November 23, 2010 site assessment. Sample analysis results are summarized in the tables on the following page. The tables also compare the analytical results Wisconsin Administrative Code (WAC) NR 720 Residual Contaminant Levels (RCLs) for soil and WAC NR 140 Preventive Action Limits (PALs) and Enforcement Standard (ES) for groundwater.

Soil Samples:

A review of the soil sample results indicate heavily impacted soil in borings B-1, B-2 and B-8 between the ground surface and groundwater (approximately 5 feet BGS). Results of samples collected from these borings exceed WAC NR 720 RCLs for benzene, ethylbenzene, toluene, and/or xylene. These locations are near the former UST and pump island location. In Appendix A, Figure 3 displays the boring locations and Figure 5 displays the estimated area of soil impact exceeding the WAC NR 720 RCLs. Laboratory analytic reports are included in Appendix E.

Groundwater Samples:

A total of four (4) groundwater samples from the Subject Property were submitted for laboratory analysis of PVOC + Nap. One (1) groundwater grab sample (sample identification Tank Pit) was collected from the bottom of the UST excavation on September 15, 2010. A groundwater sample was collected from a temporary monitoring well installed in each of the borings B-1, B-6 and B-7. A review of the groundwater results summary table on the following page indicates a WAC NR 140 PAL or ES exceedance in all four (4) samples. It should be noted that only sample B-1 displays ES exceedances. Generally, the ES is the imposed regulatory standard. The ES for benzene, ethylbenzene, 1,2,4 trimethylbenzene, xylene and naphthalene was exceeded in sample B-1 results. The PAL for benzene was exceeded in samples from the Tank Pit, B-6 and B-7; the PAL for methyl-tert-butyl ether was exceeded in the sample retrieved from B-6. Figure 6 in Appendix A displays the estimated area of groundwater impact. Laboratory analytical reports are included in Appendix E.

FORMER THOMAS SERVICE STATION
LABORATORY RESULTS

TABLE 1
SOIL SAMPLE ANALYSIS RESULTS

Sample Identification	North Tank Pit	South Tank Pit	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	NR 720 RCL
Sample Date	9/16/10	9/16/10	11/17/10	11/17/10	11/17/10	11/17/10	11/17/10	11/17/10	11/17/10	11/17/10	11/17/10	
Sample Depth	6'	6'	4-5'	4-5'	4-5'	4-5'	4-5'	4-5'	4-5'	4-5'	4-5'	
Benzene	<100	<25	**<1250**	**<1250**	<25	<25.3	<25	<25.5	<26.3	<500	<25	5.5
Ethylbenzene	<100	<25	**15000**	**30800**	<25	<25.3	<25	<25.5	<26.3	**8830**	<25	1500
Methyl-tert-butyl ether	<100	<25	<1250	<1250	<25	<25.3	<25	<25.5	<26.3	<500	<25	na
Toluene	207J	<25	<1250	**5560**	<25	<25.3	<25	<25.5	<26.3	721J	<25	2900
1,2,4 Trimethylbenzene	2460	<25	111000	211000	<25	<25.3	<25	<25.5	<26.3	94800	<25	na
1,3,5 Trimethylbenzene	1950	<25	50700	85300	<25	<25.3	75	<25.5	<26.3	42200	<25	na
Total Xylene	894	<50	**913000**	**200200**	<50	<50.5	<50	<51	<82.5	**57300**	<50	4100
Naphthalene	na	na	10000	17300	<25	<25.3	<25	<25.5	<26.3	7450	<25	na

TABLE 2
GROUNDWATER SAMPLE ANALYSIS RESULTS

Sample Identification	Tank Pit	B-1 Well	B-6 Well	B-7	NR 140 PAL/ES
Sample Date	09/16/10	11/17/10	11/17/10	11/17/10	
Benzene	**1.5**	**31.9**	**<7.8**	**4.6**	0.5/5
Ethylbenzene	8.4	**444**	27.4	<0.41	140/700
Methyl-tert-butyl ether	<0.38	11.9	**55.1**	<0.38	12/60
Toluene	7.5	35.5	17.6J	<0.42	200/1000
1,2,4 Trimethylbenzene	4	**1400**	14.7J	<0.43	14/70
1,3,5 Trimethylbenzene	1.1	400	56.5	<0.40	na
Total Xylene	54.7	**2521**	43J	<1.0	1000/10000
Naphthalene	na	**132**	30.1	<0.40	10/100

NOTES:

All concentrations in micrograms per kilogram (µg/kg) for soil and micrograms per liter (µg/l) for water

na- not available

J-laboratory footnote concentration estimated

NR 720 RCL- Residual Contaminant Level from WI Administrative Code NR 720.11 from WI Administrative Code NR 141

NR 141 PAL/ES - Preventative Action Level/Enforcement Standard from WI Administrative Code NR 140.10 Table 1.

BOLD results indicate regulatory standard exceedance

4.0 CONCLUSION AND RECOMMENDATIONS

The purpose of this Phase II ESA Report was to document the removal of two (2) underground storage tanks and to perform site assessment activities to determine conditions associated with the Phase I ESA RECs, specifically the former Thomas Service Station LUST Site. The site assessment efforts have partially defined the degree and extent of impact to soil and groundwater by the release of petroleum from the former Thomas Service Station UST system. Impact appears to be limited to the area immediately around the former UST location and the pump island. Soil is impacted by PVOC + Nap compounds at borings B-1 and B-2 above WAC NR 720 RCLs. The soil has, and continues to, impact groundwater to concentrations exceeding WAC NR 141 Enforcement Standards as displayed in analytic results of a sample collected from temporary well B-1. Additionally, there are WAC NR 141 PAL exceedances in all other groundwater samples analyzed. However, as with the soil impact, groundwater impact appears to be limited to the area around the former pump island and UST location.

As soil and groundwater in the UST/Pump Island is not in compliance with WAC NR 720 RCLs and NR 140 ES/PALs respectively, it is recommended to perform further work to achieve DNR closure of the LUST Site. The Department of Commerce (DCOMM) Petroleum Environmental Cleanup Fund Award (PECFA) will fund a portion of future site assessment and remedial activities. DCOMM has determined the LUST Site eligible for PECFA funding and has assigned 54550-9999-00 as the site identification number and 13222 as an occurrence identification number.

Further work at the LUST Site should include installation of permanent groundwater monitoring wells to determine hydrogeologic conditions and trends and a source reduction (soil removal) remedial action. It is recommended to discuss future site activities with DNR and DCOMM to define an acceptable scope of work for the eventual closure of the LUST Site.

5.0 LIMITATIONS

There are limitations inherent to the environmental investigation process. No environmental investigation can wholly eliminate uncertainty regarding actual environmental conditions of the subject study area(s). This is because when dealing with existing conditions that are hidden from view, affected by time, changes in state and other limitations, it would require a substantial level of financial and technical effort in order to remove all of the uncertainty associated with a Subject Property evaluation.

It must be understood that the laboratory results and the conclusions drawn from the results have inherent limitations and uncertainty. The limitations and uncertainty exist when Subject Property samples are collected and laboratory analyzed for the purpose of representing existing Subject Property conditions. Although special care is taken in the field to assure adequate sampling, the laboratory analytical results of those samples are most representative of the exact location of where the samples were collected. The results, however, are used as a basis for demonstrating existing conditions, when in fact the overall actual conditions may be different. Additional limitations are included as Appendix F of this report.

6.0 REFERENCES

Phase I Environmental Site Assessment Report prepared by Coleman Engineering Company, dated July 2010.

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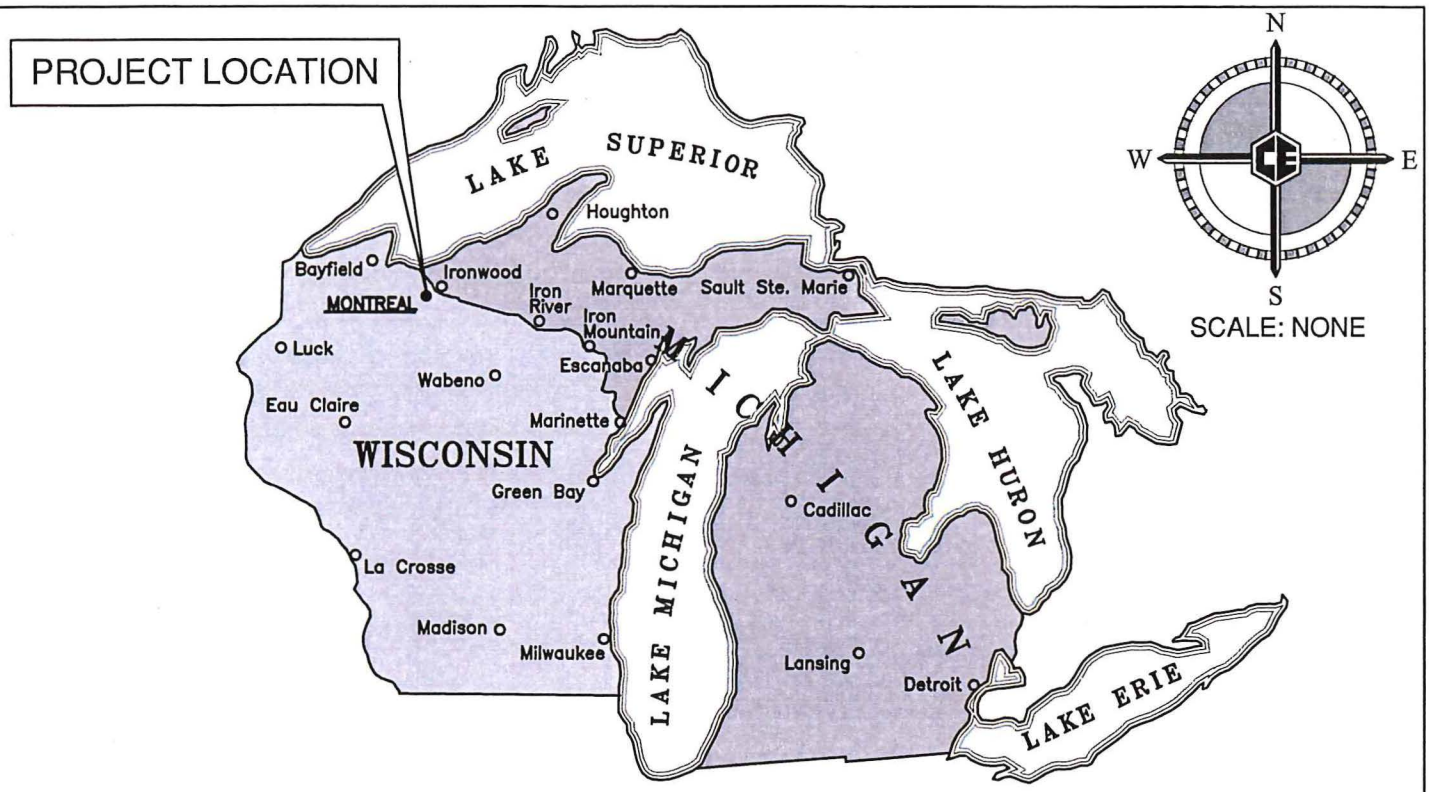
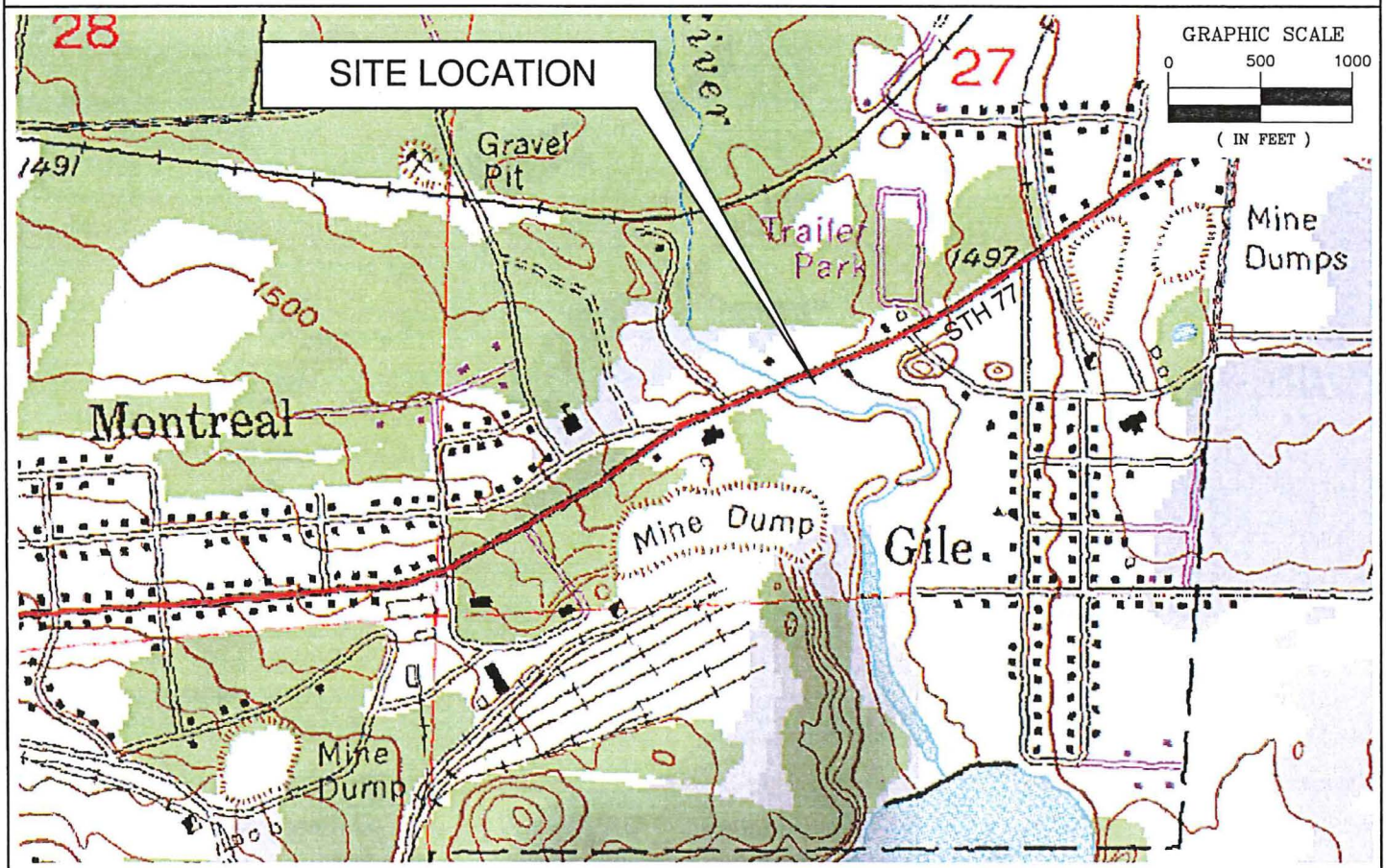
APPENDIX A

FIGURES

Figure 1 – Project Location Map
Figure 2 – Site Location Map
Figure 3 – Soil Sample Location Map
Figure 4 – Soil Impact Area
Figure 5 – Groundwater Impact Area
Figure 6 – Cross Section





3D TOPOQUADS

FIGURE 1 - PROJECT LOCATION MAP

FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE - IRON MOUNTAIN, MICHIGAN 49801 (906) 774-3440
200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

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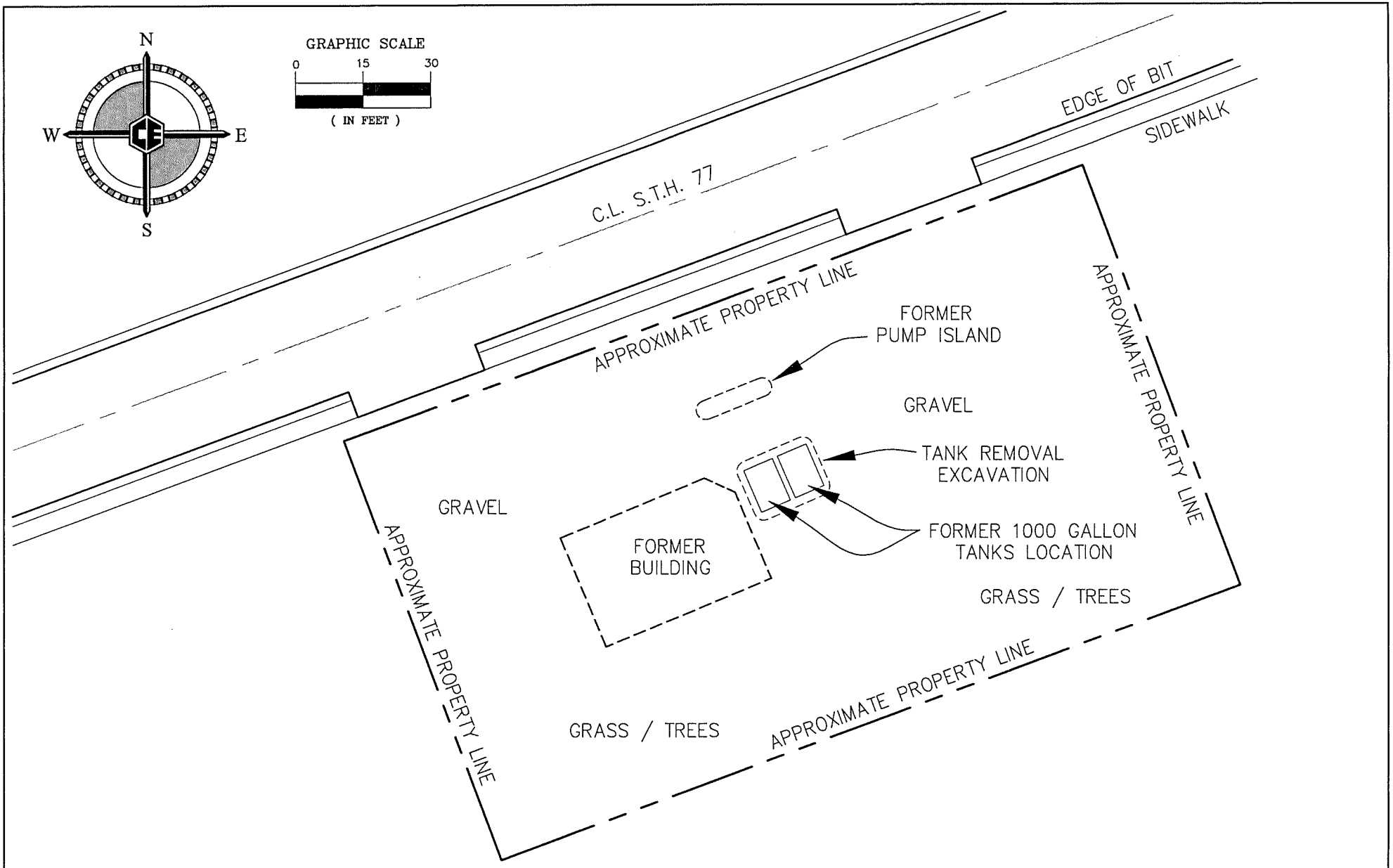

FIGURE 2 - SITE MAP
FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE - IRON MOUNTAIN, MICHIGAN 49801 (906) 774-3440
200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

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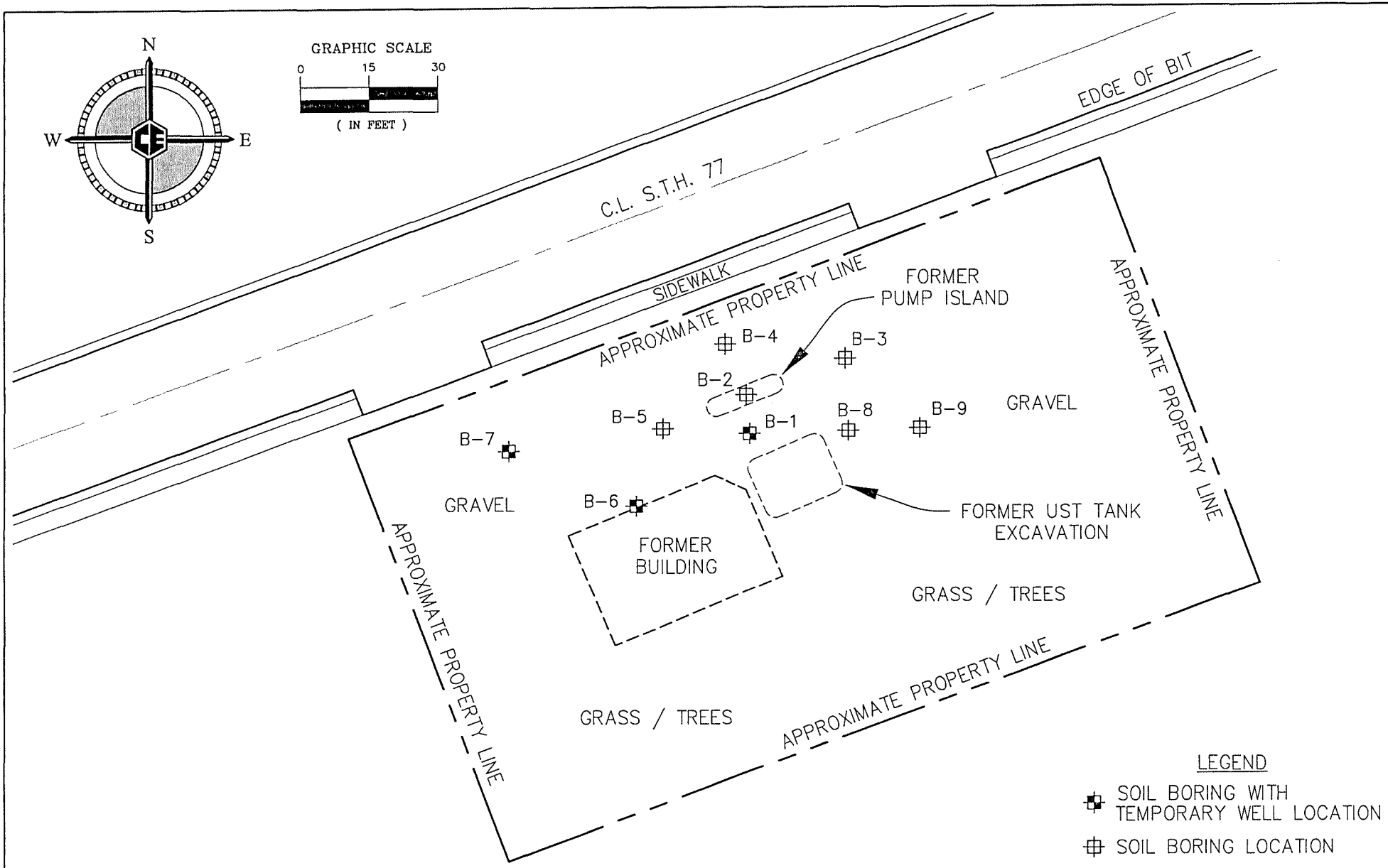

FIGURE 3 - SOIL BORING LOCATIONS
FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE - IRON MOUNTAIN, MICHIGAN 49801 (906) 774-3440
200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

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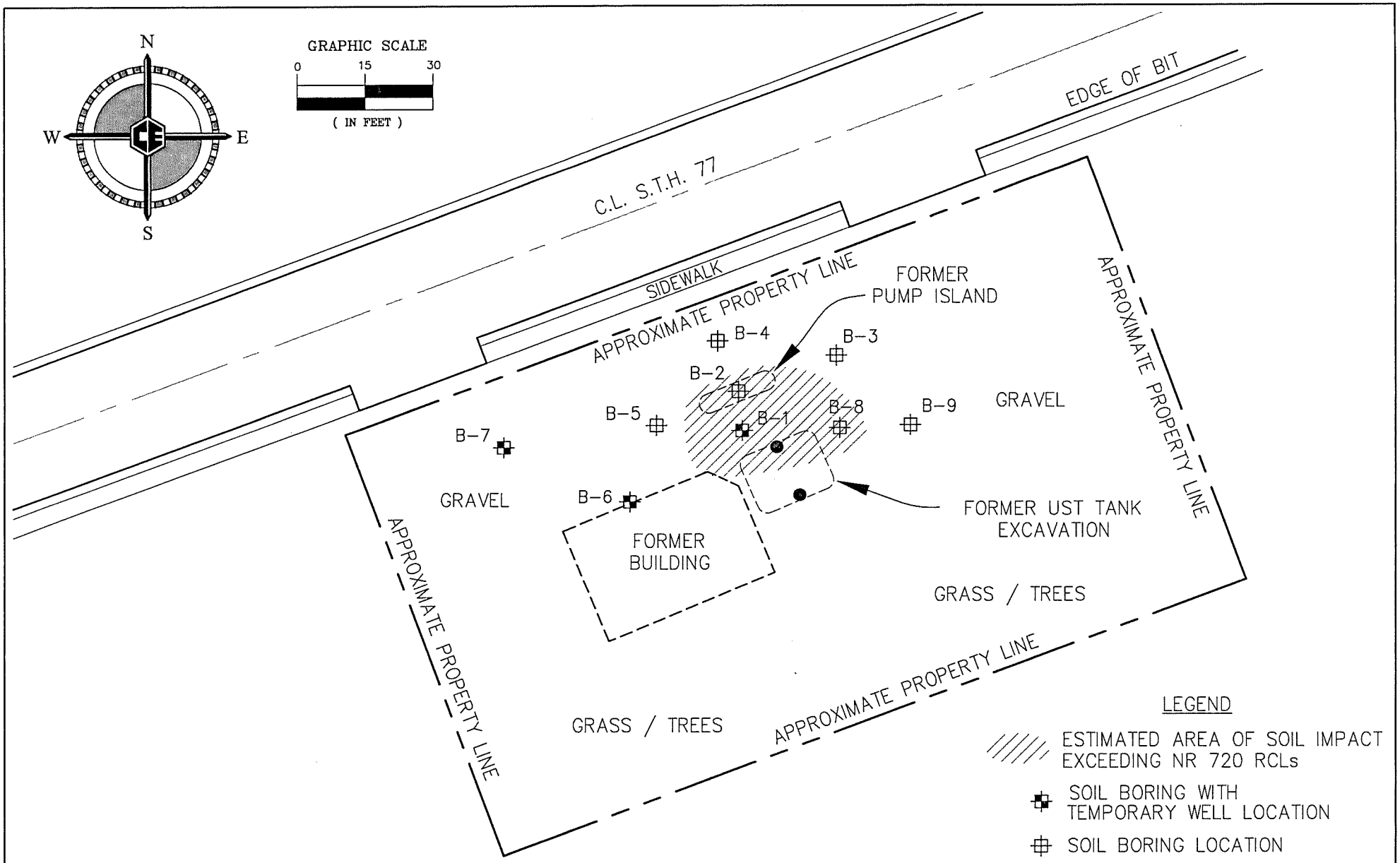

FIGURE 4 - SOIL IMPACT AREA
FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE - IRON MOUNTAIN, MICHIGAN 49801 (906) 774-3440
200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

DATE 2/18/11
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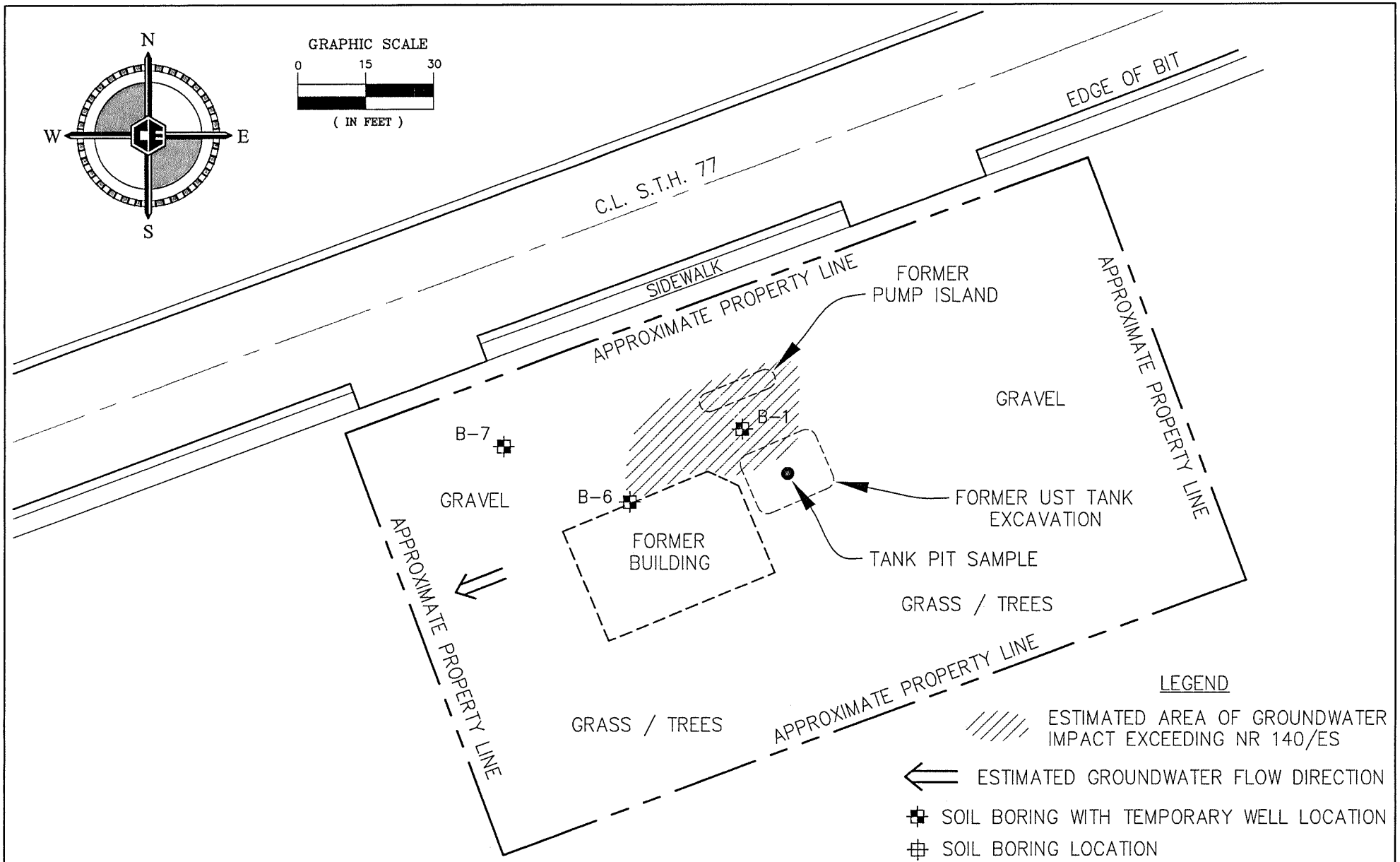

FIGURE 5 - GROUNDWATER IMPACT AREA

FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
635 CIRCLE DRIVE - IRON MOUNTAIN, MICHIGAN 49801 (906) 774-3440
200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

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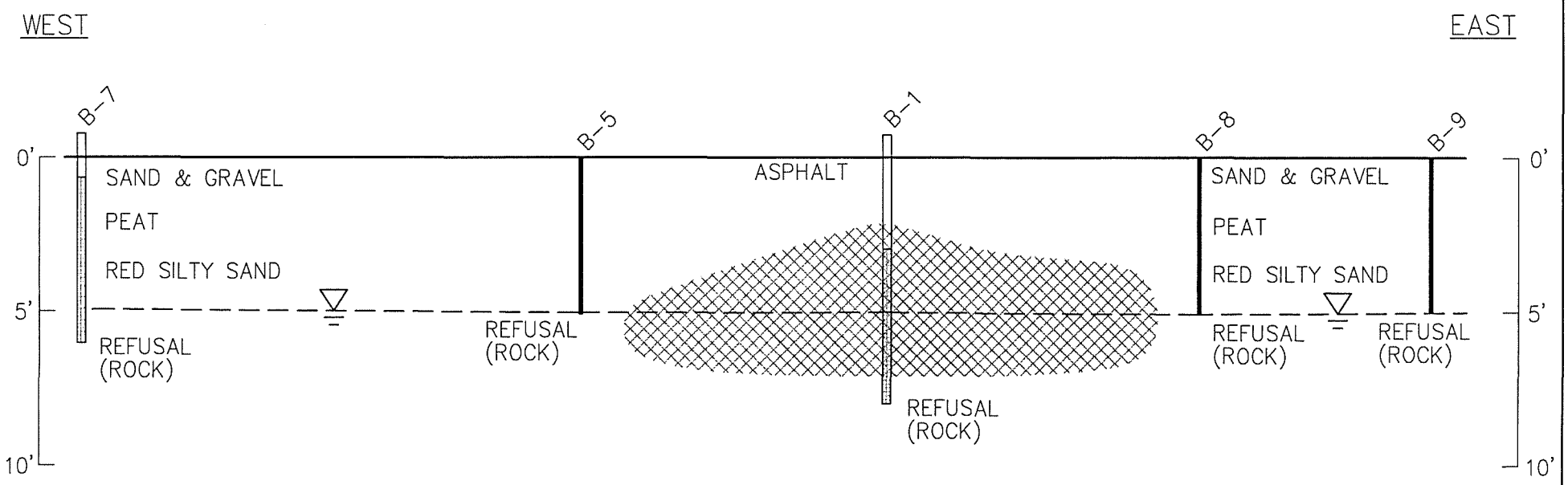
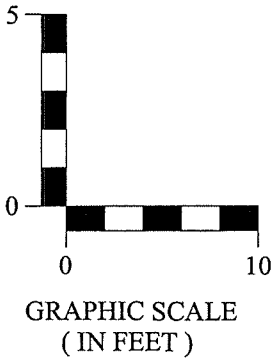


LOOKING NORTH



GRAPHIC SCALE
(IN FEET)

LEGEND

SOIL IMPACT EXCEEDING NR720 RESIDUAL CONTAMINANT LEVEL

GROUNDWATER

FIGURE 6 - CROSS SECTION
FORMER THOMAS SERVICE STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
MONTREAL, WISCONSIN

COLEMAN ENGINEERING COMPANY
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200 EAST AYER STREET - IRONWOOD, MICHIGAN 49938 (906) 932-5048

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APPENDIX B

PREVIOUS ENVIROSCIENCE, INC.
PHASE II ESA
JULY 1994

PHASE II

ENVIRONMENTAL ASSESSMENT

FOR

THOMAS ABANDONED SERVICE STATION

STATE T.H. 77

IRON COUNTY

WDOT PROJECT ID 9250-09-00

Prepared By: _____ Date: 7-12-94

Steven J. Palzkill
Environmental Manager
Enviroscience, Inc.

Reviewed By: _____ Date: 7-12-94

Daryl E. Zuelke
P.E. Vice President
Enviroscience, Inc.

Table of Contents

ABBREVIATIONS

AA	Atomic Absorption, technique used to test for metals
ASTM	American Society for Testing Metals
bg	Below Grade
Cd	Cadmium
DHSS	Department of Health and Human Services
DILHR	Department of Industry, Labor and Human Relations
DRO	Diesel Range Organic
EPA	Environmental Protection Agency
ERP	Environmental Repair Program
FID	Flame Ionization Detector
GC-MS	Gas Chromatograph-Mass Spectrometer
GRO	Gasoline Range Organic
LUST	Leaking Underground Storage Tank
MDL	Minimum Detection Limits
ND	not detected
Pb	Lead
PID	Photo Ionization Detector
ppb	parts per billion
ppm	parts per million, which is equivalent to mg/kg
PVOC	Petroleum Volatile Organic Compound
QC	Quality Control
RP	Responsible Party
TCLP	Toxicity Characteristic Leaching Procedure
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WDOT	Wisconsin Department of Transportation

Section One EXECUTIVE SUMMARY

1.1 Results and Conclusions

Enviroscience Inc. has completed a Phase II Environmental Assessment of the Thomas Abandoned Service Station site located in the City of Montreal, WI. The Phase II Environmental Assessment was conducted on May 23-26 for the Wisconsin Department of Transportation (WDOT) State Trunk Highway (STH) 77, Montreal to Hurley, Project I.D.# 9250-09-00.

The proposed project is located on State Trunk Highway 77 in Iron County. It begins west of the City of Montreal's corporate limits, at Elm Street, and extends easterly approximately 4.0 miles through the City of Montreal, into the City of Hurley to 6th Avenue. The existing roadway consists of both rural and urban sections.

The urban portion of the project would involve reconstructing the section in the City of Montreal from Bessemer Street approximately 2.0 miles into the City of Hurley to 5th Street. The urban section will be constructed as a 36-foot wide face to face curb and gutter section, with a storm sewer system.

The results of the assessment are as follows:

* The site ceased operations in 1989. Prior to 1989 the site operated as a gasoline service station. The investigator was unable to determine the date that the station began operations.

* The properties to the east and west sides of the Thomas site are undeveloped woods. State Trunk Highway 77 runs along the north side

of the property while the Montreal River runs parallel to the south side of the property.

* There was no surface evidence of spills but, common to all gasoline sites, there is the possibility that overfills have occurred.

* Two soil borings (SB-5 and SB-6) were drilled to depth of 7.0 and 12.0 feet below grade (bg) respectively. Both borings were located within the existing STH 77 right-of-way.

* Ground water was encountered at approximately the 2.5 to 4.5-foot level in both soil borings. Bedrock was encountered in both borings.

* Photoionization detector (PID) field screening of soil samples did not indicate the presence of petroleum constituents. Also, visual and olfactory inspection gave no evidence that contamination was present.

* One soil sample from SB-5 and two samples from SB-6 were analyzed for Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). The second sample was taken from SB-6 for use as a duplicate (a quality assurance measure). The SB-5 sample contained DRO at a concentration of 100 ppm which is well above the WDNR remedial action guideline of 10 ppm. DRO in samples SB-6 and SB-6 (dupl.) and GRO in SB-5, SB-6 and SB-6 (dupl.) were below the DNR guideline of 10 ppm.

* SB6 was developed into a temporary ground water monitoring point by placing a screened well casing within the boring. A water sample tested for Petroleum Organic Compounds (PVOC) with no detection.

1.2 Recommendations

Based on the results of this investigation, Enviroscience recommends additional investigation of soil contamination in the anticipated construction zone (surface to five feet) within the Wisconsin Department of Transportation (WDOT) right-of-way at this site. It should be noted that a 100 ppm level of Diesel Range Organics was identified in the 2.5 to 4.5-foot zone of SB-5. The Wisconsin Department of Natural Resources (WDNR) remedial action guideline for Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) soil contamination is 10 ppm. Also a low level of Gasoline Range Organics, 1.7 ppm, were identified in SB-5 in the 2.5 to 4.5-foot zone. Diesel Range Organics (DRO) were also detected (9.7 ppm) in the 5.0 to 7.0-foot zone of SB-6. It is possible that higher concentrations of petroleum contamination exist on the site in areas that were not investigated.

The potential exists to encounter soil contamination during construction. The extent and degree of soil contamination within the right-of-way needs to be defined in order to determine the best method of soil handling and remediation.

Sampled ground water did not contain Petroleum Volatile Organic Compounds (PVOC's), but because the ground water is so close to the surface (within 2.5 to 4.5 feet in both soil borings) impacts to the ground water may exist elsewhere on the site. Current construction plans involve excavation for new storm sewers to a

depth of five feet so dewatering may be required. The potential exists to encounter Volatile Organic Compound (VOC) contaminated ground water during this excavation. Crews responsible for dewatering should be prepared to handle Volatile Organic Compounds (VOC) impacted ground water if necessary. At a minimum, if any indication of soil contamination (e.g., petroleum odor) is discovered during construction, a Wisconsin Department of Transportation (WDOT) environmental consultant should be on-site to monitor the excavation and disposal or treatment of the impacted soil.

Section Two SITE INVESTIGATION

2.1 Purpose and Scope

The Phase II Site Assessment was performed to determine if soil and/or groundwater in the State Trunk Highway (STH) 77 right-of-way has been impacted by the possible release of petroleum products from past operations on the Thomas Abandoned Service Station site. Highway construction is currently being proposed for STH 77 through the City of Montreal, to Hurley, WI. The Thomas Abandoned Service Station Site is located within the right-of-way of the proposed construction (see Figure 2-1). Current construction plans include increasing the width of the urban section of STH 77 from 22 to 36 feet, resurfacing the roadway and installing storm sewers. This assessment was conducted for Level One, Inc. on May 24-26 as part of WDOT Project I.D. # 9250-09-00.

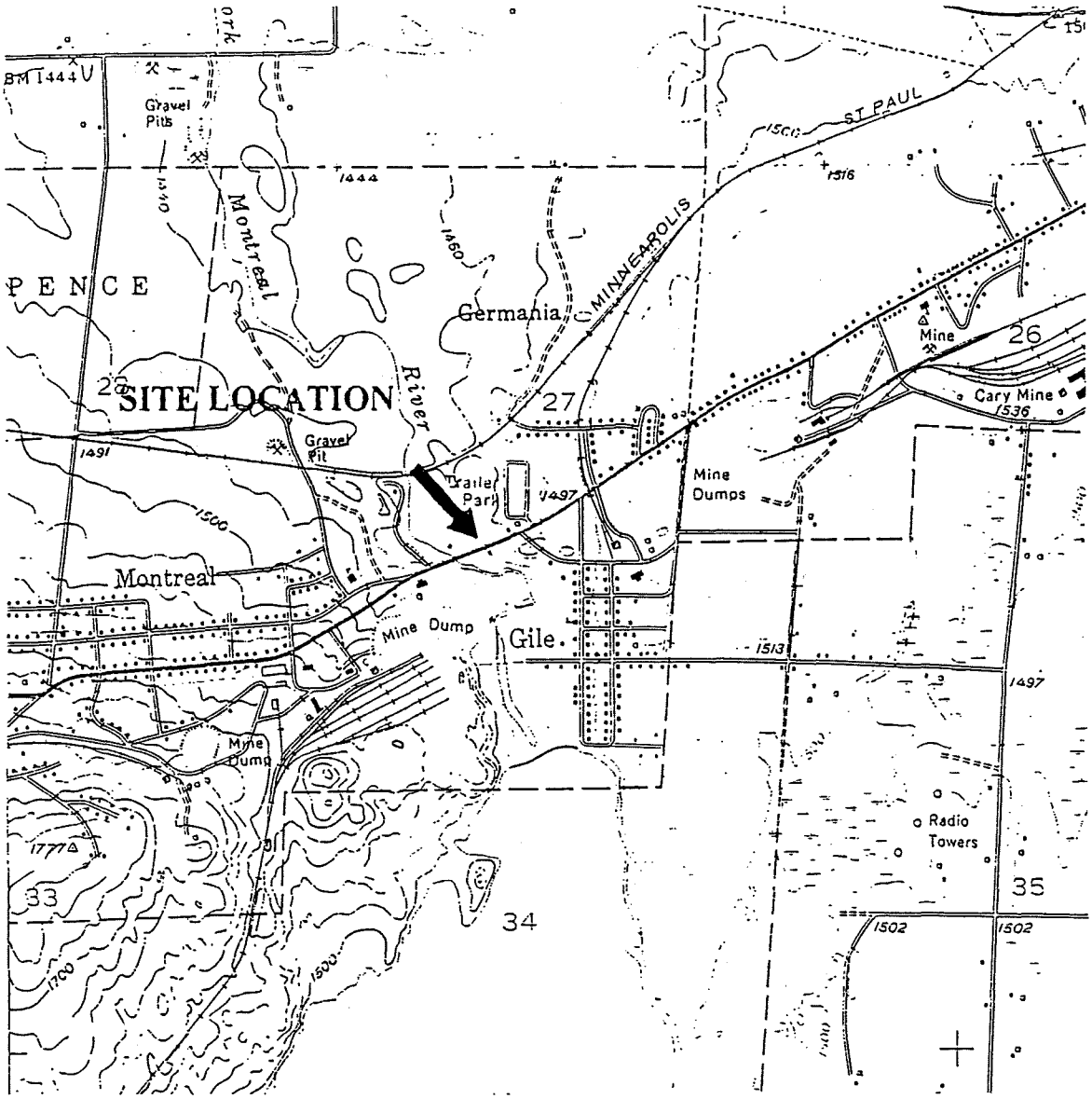
The assessment for this site consisted of the following:

* a review of the site history,
* a review of topographic maps, United States Geological Survey (USGS) Water Resources Maps, soils and bedrock identification maps,
* interviews of people familiar with the site,
* a review of regulatory lists,
* a reconnaissance inspection of the site and surrounding area to identify potential contamination sources,
* the advancement of two soil borings, SB-5 to 7 feet below grade (bg) and SB-6 to 12 feet below grade (bg),

* field screening of subsurface soil samples every 2.5 feet in depth for the presence of Petroleum Organic vapors and for visual evidence of petroleum contamination,

* collection and lab analysis for GRO and DRO of one subsurface soil sample from each boring, plus one duplicate sample,

* collection of lab analysis for PVOC of one groundwater sample, plus one duplicate sample.



SITE LOCATION

Thomas Abandoned Service Station Site

FIGURE 2-1

ENVIROSCIENCE

2.2 Site Description and History

The Thomas site is located approximately 2 tenths of one mile north of the Montreal City Hall on STH 77 in the NW 1/4 SW1/4, Sec. 27, T 46N R2E, City of Montreal, Iron County, Wisconsin . The site is owned by Mr. Bill Thomas of 24 Nimikon, Gile, WI, (715) 561-5314. The site consists of one building, a single story service station with two service bays. The sites is not presently being use. The north side of the site is bounded by STH 77 and the adjacent properties to the east and west are undeveloped woods. The Montreal River runs along the south side of the property. The site is illustrated in Figure 2-2.

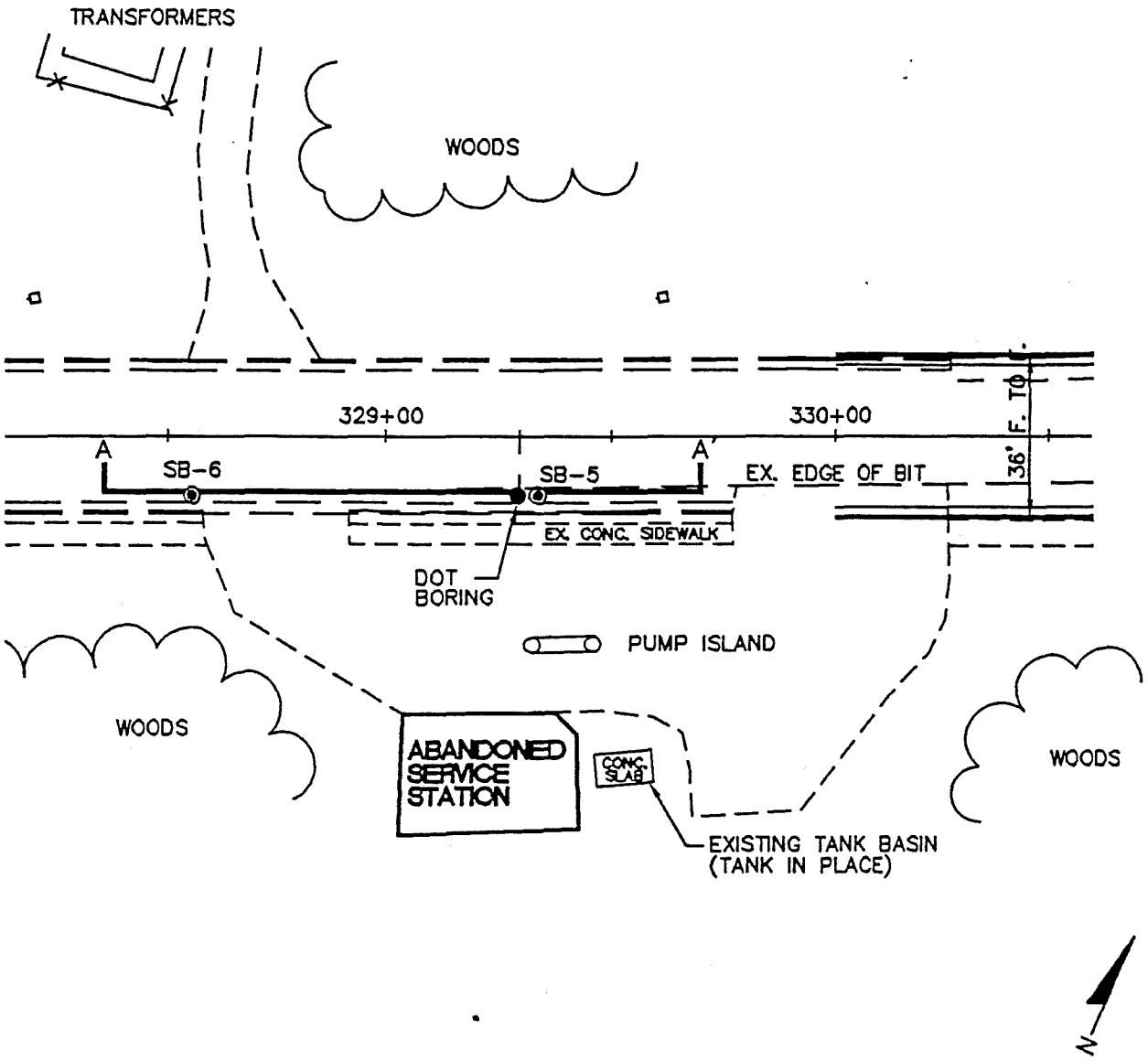
From an interview with the site owner, Bill Thomas, Mr. Steven Palzkill of Enviroscience, Inc., determined that:

* the site has been inactive since 1989,
* previous to 1989 the site operated as Sarri Brothers Service Station, but the investigator was unable to determine the date the station began operations,
* Two 1000 gallon gasoline storage tanks are still in place at the site.

2.3 Geologic/Hydrogeologic Setting

The City of Montreal is in the northern part of Iron County in the Lake Superior Basin. The subsurface geology in this area is composed of Precambrian crystalline rocks (undifferentiated igneous and metamorphic rocks to the south of Montreal and basaltic lava flows to the north). The soils are Quaternary ground moraine (glaciolacusterine unstratified clay, silt, sand, gravel, and cobbles). Bedrock is

encountered at an average depth of 10 feet. The topography is deeply dissected lake plane. Ground water in the area of the site generally flows toward the Montreal River.



APPROXIMATE SCALE: 1" = 40'

LEGEND

- ◉ SOIL BORING
- ● DOT BORING

JUNE 21, 1994

ENVIROSCIENCE
ENGINEERS • SCIENTISTS • LAND SURVEYORS
1101 WEST CLAIREMONT AVENUE - SUITE 2D
EAU CLAIRE, WISCONSIN 54701
(715) 835-9311

THOMAS ABANDONED SERVICE STATION
MONTREAL

FIGURE 2

2.4 Regulatory Review

A record search was performed to uncover any previous spills or other enforcement actions that may have been reported on or around the Thomas Site. The search referenced the Wisconsin Department of Industry, Labor and Human Relations (WDILHR) Computer Inventory of Underground Petroleum Storage Tanks. The Thomas UST's were not, but should have been, listed on this inventory.

The Wisconsin Department of Natural Resources (WDNR) Leaking Underground Storage Tank (LUST) List and the WDNR Statewide Spills and Hazardous Incident Report were reviewed. One active LUST site was identified within the area at the Montreal City Hall. The Montreal River separates the two sites so any ground water or soil impact on the Thomas Site from the City Hall site is not anticipated.

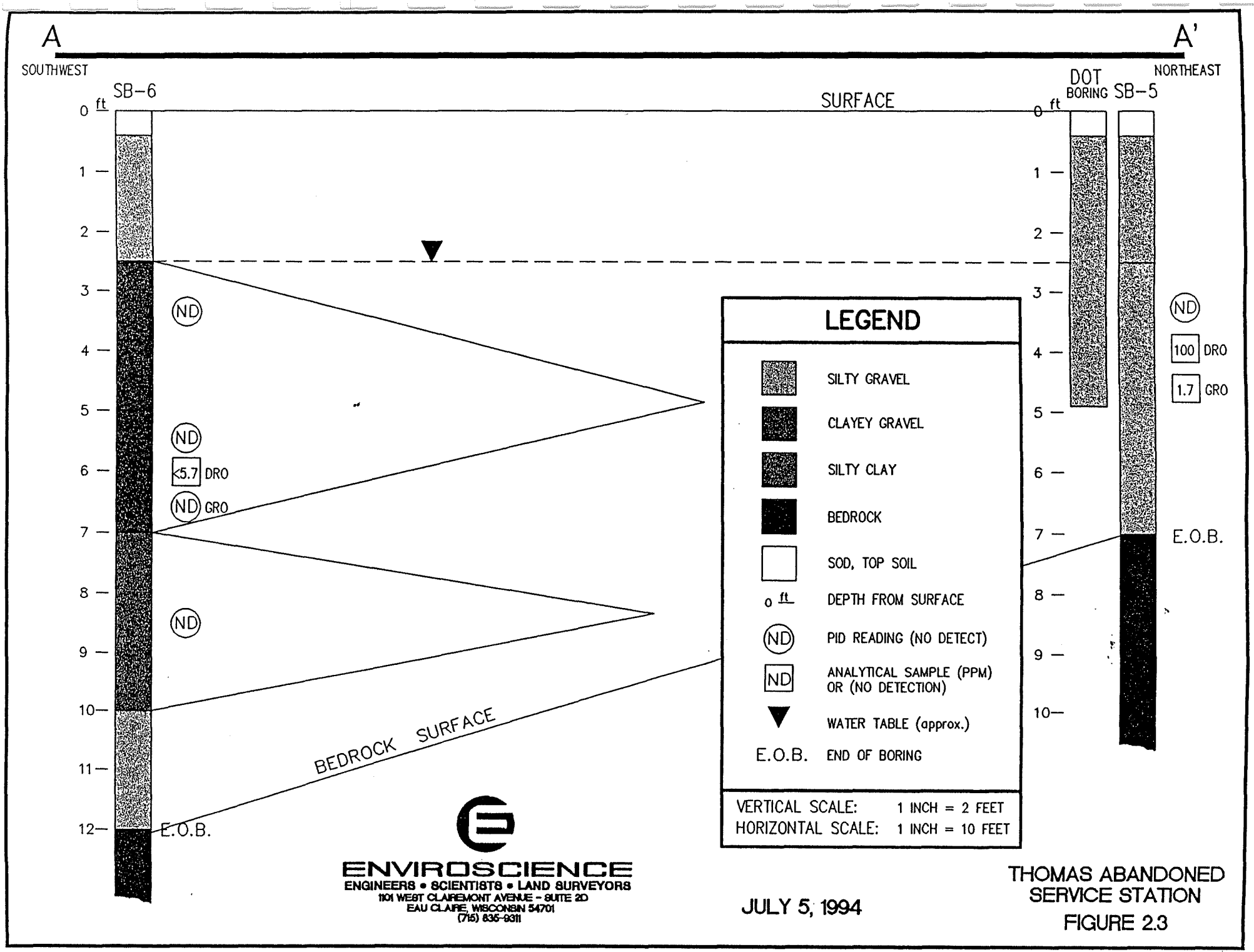
2.5 Sampling Procedures and Locations

Two soil borings (SB-5 and SB-6) were advanced using a hollow stem auger drill rig and one sample from each boring was collected using split-spoon samplers and one duplicate sample was also taken (See Appendix D). Boring locations are illustrated in Figure 2-2.

Ground water was encountered at approximately the 2.5 to 4.5-foot (bd) in both soil borings. A screened well casing was placed within SB-6 for use as a temporary monitoring well. Two ground water samples were collected from SB-6 using a disposable bailer. The second sample was taken as a duplicate. The ground water samples were tested for the presence of PVOC's. No PVOC's were detected in the SB-6 ground water samples.

A photoionization detector (PID) was used to field test for presence of organic vapors. The results of the field screening are illustrated in Table 2-1.

The technical procedures followed for collecting soil, field screening of samples, laboratory testing of samples, maintaining security and integrity of the samples, and procedures used for sample identification and chain of custody are included in the Appendices.



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EAU CLAIRE, WISCONSIN 54701
(715) 835-9311

JULY 5, 1994

THOMAS ABANDONED SERVICE STATION
FIGURE 2.3

2.6 Analytical Results

2.6.1 Field Screening

Subsurface soil samples were screened for presence of organic vapors using a calibrated PID following the methodology in Appendix D. A summary of field screening results are illustrated in Table 2-1.

TABLE 2-1

SOIL GAS FIELD SCREENING

BORING NUMBER	DEPTH (ft)	PID RESPONSE (ppm)	MOISTURE	PETROLEUM ODOR
SB-5	2.5-4.5	ND	WET	NONE
SB-6	2.5-4.5 5.0-7.0 7.5-9.5	ND ND ND	WET WET WET	NONE NONE NONE

2.6.2 Results of Laboratory Chemical Analysis of Samples

The laboratory analysis of soil sample SB-5 indicated a concentration of DRO at 100 ppm (the WDNR remedial action limit is 10 ppm). Both samples analyzed from SB-6 yielded concentrations of DRO below the laboratory detection limit. GRO in all three samples were not detected. The results of the laboratory analysis of the soil samples are illustrated in Table 2-2 below.

TABLE 2-2

SOIL SAMPLE CHEMICAL ANALYSIS.

SAMPLE NUMBER	SAMPLE DEPTH (ft)	COLLECTION DATE	DRO ppm	GRO ppm	SOLIDS (%)
SB-5	2.5 - 4.5	5-24-94	100	1.7	87.5
SB-6	5.0 - 7.0	5-24-94	<5.7	<1.1	87.1
SB-6 (dupl.)	5.0 - 7.0	5-24-94	9.4	<1.1	87.1

PVOC's were not detected in ground water sample SB-6 above laboratory detection limits. The results of laboratory analysis of ground water samples are illustrated below in Table 2-3.

TABLE 2-3

GROUND WATER SAMPLE ANALYSIS

SAMPLE NUMBER	COLLECTION DATE	PVOC's (ug/L)
SB-6	5-25-94	<1.0
SB-6 (dupl.)	5-25-94	<1.0

2.7 Conclusions

This section discusses field observations and analytical data pertaining to observed or potential contamination that may be attributed to the Thomas Abandoned Service Station, Montreal, Wisconsin.

The site history and site inspection revealed that commercial activities have taken place at this site since an unknown date. Two gasoline UST's are located on this site which operated as a service station until 1989. No evidence of petroleum spills (e.g. stressed vegetation, stained soils) was observed during the site inspection.

PID field screening of headspace samples from soil borings did not suggest the presence of organic vapors at levels above background for the site. No visual or olfactory evidence of petroleum contamination was observed.

Laboratory analysis revealed DRO concentration of 100 ppm at a depth of 2.5 to 4.5 feet (bg) in soil boring SB-5. This level of contamination exceeds the 10 ppm WDNR remedial action guideline for petroleum impacted soils. Additionally a concentration of 1.7 ppm GRO was encountered in boring SB-5, but this level is below the remedial action guideline. Soil boring SB-6 showed a detection of DRO contamination of 9.4 ppm at the 5.0 to 7.0-feet (bg). This level is above background but below the remedial action limit.

Based on the results of field screening and laboratory analysis, the areas near soil boring SB-5 which are anticipated to be encountered during construction activities in the STH 77 right-of-way at this site are impacted by DRO at a concentration sufficient to require additional work.

Field observation of ground water did not indicate any obvious signs of contamination (e.g. odor, petroleum sheen, or discolorations). Laboratory results did not indicate the presence of any PVOC. Ground water was encountered at a depth of 2.5 to 4.5 feet (bg). The current construction plans for the highway do include excavating at depths sufficient to encounter ground water.

Mr. Chris Sarri of WDNR, Northwest District was notified of the release on June 20, 1994. Mr Sarri indicated that a responsible party letter would be issued to the property owner. The possibility exists that the property owner may not respond in a timely manner. Delay of the proposed highway construction project may occur as a result.

2.8 Recommendations

Based on the results of this investigation, Enviroscience recommends additional investigation of soil contamination in the anticipated construction zone (surface to five feet) within the WDOT right-of-way at this site. It should be noted that a 100 ppm level of DRO was identified in the 2.5 to 4.5-foot zone of SB-5. The

WDNR remedial action guideline for DRO and GRO soil contamination is 10 ppm. Also a low level of GRO, 1.7 ppm, was identified in SB-5 in the 2.5 to 4.5-foot zone. DRO were also detected (9.7 ppm) in the 5.0 to 7.0-foot zone of SB-6. It is possible that higher concentrations of DRO and GRO exist on the site in areas that were not investigated.

The potential exists to encounter soil contamination during construction. The extent and degree of soil contamination within the right-of-way needs to be defined in order to determine the best method of soil handling and remediation.

Sampled ground water did not contain PVOC's, but because the ground water is so close to the surface (within 2.5 to 4.5 feet in both soil borings) impacts to the ground water may exist elsewhere on the site. Current construction plans involve excavation for new storm sewers to a depth of five feet so dewatering may be required. The potential exists to encounter VOC contaminated ground water during this excavation. Crews responsible for dewatering should be prepared to handle VOC impacted ground water if necessary.

At a minimum, if any indication of soil contamination (e.g., petroleum odor) is discovered during construction, A WDOT environmental consultant should be on-site to monitor the excavation and disposal or treatment of the impacted soil.

2.9 Standard of Care

The conclusions contained in this report represent our professional opinions. Our opinions are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Enviroscience observed the degree of care and skill generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Information in this report obtained during interviews was accepted in good faith. Information in this report obtained through databases is limited to the accuracy of those databases.

Section Three APPENDICES

A Site Photographs

SITE PHOTOGRAPHS

SITE NAME: Thomas Abandoned Service Station

DATE: 5-26-94

TIME: 11:05am

DIRECTION OF PHOTOGRAPH:

Southeast

WEATHER CONDITIONS:

sunny, dry, 60 degrees

PHOTOGRAPHED BY:

Steven Palzkill

DESCRIPTION: The orange cone designates SB-6 located in the boulevard portion of sidewalk.

SITE NAME: Thomas Abandoned Service Station

DATE: 5-26-94

TIME: 11:07 am

DIRECTION OF PHOTOGRAPH:

Due South

WEATHER CONDITIONS:

sunny, dry, 60 degrees

PHOTOGRAPHED BY:

Steven Palzkill

DESCRIPTION: The orange cone designates SB-5 located in the boulevard portion of the sidewalk.

B WDNR Soil Boring Logs and Borehole Abandonment Forms

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 77		SB5

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WTD, Mark Thuot	5/24/94	5/24/94	HSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 Inches

Boring Location
State Plane N, E
NW 1/4 of SW 1/4 of Section 27 T 46 N,R 2
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Iron	26	Montreal

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	.5	3 8 13 21	1–4	Br. F-C SAND, w/Gravel					21	W				
2	.5	31 50 42 50	5–7						92	W				

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

Signature

Firm: WTD Environmental Drilling
101 Alderson Schofield, WI 54476-0109
Tel: (715) 359-7090 Fax: (715) 355-5715

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Boring Number **SB5** Use only as an attachment to Form 4400-122. Page 2 of 2

Sample									Soil Properties					
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
				E.O.B. 12.0										

Ç♣@♦♦

I abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location

County: Iron

NW 1/4 of SW 1/4 of Sec. 27 ; T. 46 N; R. 2 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name

Street Address of Well

City, Village: Montreal, WI

(2) FACILITY NAME

Original Well Owner (If Known)

Present Well Owner: STH 77

Street or Route

City, State, Zip Code: Montreal, WI

Facility Well No. and/or Name (If Applicable): S85

WI Unique Well No. ____ ____ ____ ____ ____

Reason For Abandonment: No longer needed

Date of Abandonment: 5/24/94

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date): 5/24/94

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) ____ Casing Diameter (ins.) ____
(From ground surface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet): 3.0

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Casing Left in Place? ☐ Yes ☐ No
If No, Explain: ____

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☒ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☒ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material:
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain):

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	Volume Added for Any Sealing Material Used	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12.0	2 bags	

(7) Comments: ____

(8) Name of Person or Firm Doing Sealing Work: WTD Environmental Drilling

Signature of Person Doing Work: [signature] Date Signed: 6/3/94

Street or Route: 101 Alderson Street

Telephone Number: (715) 359-7090

City, State, Zip Code: Schfield, WI 54476

(9) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected ____ District/County ____

Reviewed/Inspected by ____

Follow-up Necessary ____

DNR/COUNTY

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other

Soil Boring Log Information
Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
STH 77		SB6

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
WTD, Mark Thuot	5/24/94	5/24/94	HSA

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL	8.0 Inches

Boring Location
State Plane N, (E)
NW 1/4 of SW 1/4 of Section 27 T 46 N,R 2
Lat ° ' "
Long ° ' "

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	DNR County Code	Civil Town/City/ or Village
Iron	26	Montreal

Sample Number	Sample Length (in) Recovered	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
1	1.5	6 12 23 31	1–4	F-C SAND					35	M				
2	1.0	3 5 5 17	5–6						10	W				
3	1.5	5 7 5 8	7–8	F-C SAND, w/Gravel					12	M				
			9	Br. Silty CLAY										
4	1.5	17 31 24 50	10–11	Br. F-C SAND, w/Gravel					55	W				
			12											

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

Signature: Tom Thuot

Firm: WTD Environmental Drilling
101 Alderson Schofield, WI 54476-0109
Tel: (715) 359-7090 Fax: (715) 355-5715

This form is authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Soil Boring Log Information Supplement
Form 4400-122A 7-91

Boring Number **SB6** Use only as an attachment to Form 4400-122. Page 2 of 2

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number	Length (in) Recovered								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
				E.O.B. 12.0										

abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: County: Iron

NW 1/4 of SW 1/4 of Sec. 27 ; T. 46 N; R. 2 ☒ E ☐ W

(If applicable) ____ Gov't Lot ____ Grid Number

Grid Location ____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Civil Town Name:

Street Address of Well:

City, Village: Montreal, WI

(2) FACILITY NAME

Original Well Owner (If Known):

Present Well Owner: STH 77

Street or Route:

City, State, Zip Code: Montreal, WI

Facility Well No. and/or Name (If Applicable): SB6

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: No longer needed

Date of Abandonment: 5/24/94

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 5/24/94

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☒ Yes ☐ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify):

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): ____ Casing Diameter (ins.): ____

Casing Depth (ft.): ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet): 5.0

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Casing Left in Place? ☐ Yes ☐ No
If No, Explain: ____

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☒ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☒ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

(5) Required Method of Placing Sealing Material:
☒ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☐ Other (Explain):

(6) Sealing Materials (For monitoring wells and monitoring well boreholes only)
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite
☐ Bentonite-Cement Grout

Sealing Material Used	From (Ft.)	To (Ft.)	No. Cubic Feet Sacks Sealant or Volume	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12.0	3 bags	

(7) Comments: ____

(8) Name of Person or Firm Doing Sealing Work: WTD Environmental Drilling

Signature of Person Doing Work: [signature] Date Signed: 6/3/94

Street or Route: 101 Alderson Street Telephone Number: (715) 359-7090

City, State, Zip Code: Schfield, WI 54476

(9) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: ____ District/County: ____

Reviewed/Inspector: ____

Follow-up Necessary: ____

DNR/COUNTY

C Analytical Results and Chain of Custody

MID-STATE ASSOCIATES, INC.

Laboratory Services
1230 Lange Ct.
Baraboo, WI 53913
608-356-2760

ANALYTICAL REPORT

ENVIROSCIENCE
RICK KRONK
6474 CITY WEST PARKWAY
EDEN PRAIRIE, MN 55344

Client I.D. No.:1223
Work Order No.:9405000666
Project Name:HURLEY/HWY 77
Project Number:W94001.31
Arrival Temperature:ON ICE
Date Recieved: 05/27/94
Report Date: 06/13/94

Sample I.D. #:67447 **Sample Description:**SB-5 **Date Sampled:**05/24/94

Analyte	Result	Units
Diesel Range Organics- WDNR Modified DRO Sample contains fractions lighter than diesel range organic hydrocarbons.	100	mg/Kg
Extraction Date DRO	05/27/94	
Analysis Date DRO	06/02/94	
Gasoline Range Organics- WDNR Modified GRO	1.7	mg/Kg
Extraction Date GRO	06/01/94	
Analysis Date GRO	06/01/94	
LUST Total Percent Solids	87.5	%

Sample I.D. #:67448 **Sample Description:**SB-6 **Date Sampled:**05/24/94

Analyte	Result	Units
Diesel Range Organics- WDNR Modified DRO Sample contains one peak before the diesel range organic hydrocarbon window.	< 5.7	mg/Kg
Extraction Date DRO	05/27/94	
Analysis Date DRO	06/02/94	
Gasoline Range Organics- WDNR Modified GRO	< 1.1	mg/Kg
Extraction Date GRO	06/01/94	
Analysis Date GRO	06/02/94	
LUST Total Percent Solids	87.1	%

Sample I.D. #:67449 **Sample Description:**SB-7 **Date Sampled:**05/25/94

Analyte	Result	Units
Diesel Range Organics- WDNR Modified DRO	36	mg/Kg
Extraction Date DRO	05/27/94	
Analysis Date DRO	06/02/94	
Gasoline Range Organics- WDNR Modified GRO	< 1.1	mg/Kg
Extraction Date GRO	06/01/94	
Analysis Date GRO	06/02/94	
LUST Total Percent Solids	88.8	%

Submitted By:

Wisconsin DNR Laboratory Certification Number: 157066030
DHSS Certification Number: MW0289

MID-STATE ASSOCIATES, INC.

Laboratory Services
1230 Lange Ct.
Baraboo, WI 53913
608-356-2760

ANALYTICAL REPORT

ENVIROSCIENCE
RICK KRONK
6474 CITY WEST PARKWAY
EDEN PRAIRIE, MN 55344

Client I.D. No.:1223
Work Order No.:9405000666
Project Name:HURLEY/HWY 77
Project Number:W94001.31
Arrival Temperature:ON ICE
Date Recieved: 05/27/94
Report Date: 06/13/94

Sample I.D. #:67450 **Sample Description:**SB-8 **Date Sampled:**05/25/94

Analyte	Result	Units
Diesel Range Organics- WDNR Modified DRO Sample contains two peaks before the diesel range organic hydrocabon window.	<5.5	mg/Kg
Extraction Date DRO	05/27/94	
Analysis Date DRO	06/02/94	
Gasoline Range Organics- WDNR Modified GRO	<1.1	mg/Kg
Extraction Date GRO	06/01/94	
Analysis Date GRO	06/02/94	
LUST Total Percent Solids	90.8	%

Sample I.D. #:67451 **Sample Description:**SB-6 DUP **Date Sampled:**05/24/94

Analyte	Result	Units
Diesel Range Organics- WDNR Modified DRO	9.4	mg/Kg
Extraction Date DRO	05/27/94	
Analysis Date DRO	06/02/94	
Gasoline Range Organics- WDNR Modified GRO	<1.1	mg/Kg
Extraction Date GRO	06/01/94	
Analysis Date GRO	06/02/94	
LUST Total Percent Solids	87.1	%

Sample I.D. #:67452 **Sample Description:**SB-1 **Date Sampled:**05/24/94

Analyte	Result	Units
Methyl t-Butyl Ether	<1.0	ug/L
Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
m & p- Xylene	<1.0	ug/L
o-Xylene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
Analysis Date PVOC	05/31/94	

Submitted By:

Wisconsin DNR Laboratory Certification Number: 157066030
DHSS Certification Number: MW0289

MID-STATE ASSOCIATES, INC.

Laboratory Services
1230 Lange Ct.
Baraboo, WI 53913
608-356-2760

ANALYTICAL REPORT

ENVIROSCIENCE
RICK KRONK
6474 CITY WEST PARKWAY
EDEN PRAIRIE, MN 55344

Client I.D. No.:1223
Work Order No.:9405000666
Project Name:HURLEY/HWY 77
Project Number:W94001.31
Arrival Temperature:ON ICE
Date Recieved: 05/27/94
Report Date: 06/13/94

Sample I.D. #:67453 **Sample Description:**SB-3 **Date Sampled:**05/25/94

Analyte	Result	Units
Methyl t-Butyl Ether	<1.0	ug/L
Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
m & p- Xylene	<1.0	ug/L
o-Xylene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
Analysis Date PVOC	05/31/94	

Sample I.D. #:67454 **Sample Description:**SB-6 **Date Sampled:**05/25/94

Analyte	Result	Units
Methyl t-Butyl Ether	<1.0	ug/L
Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
m & p- Xylene	<1.0	ug/L
o-Xylene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
Analysis Date PVOC	05/31/94	

Sample I.D. #:67455 **Sample Description:**SB-6 DUP **Date Sampled:**05/25/94

Analyte	Result	Units
Methyl t-Butyl Ether	<1.0	ug/L
Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
m & p- Xylene	<1.0	ug/L
o-Xylene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
Analysis Date PVOC	05/31/94	

Submitted By: [signature]

Wisconsin DNR Laboratory Certification Number: 157066030
DHSS Certification Number: MW0289

MID-STATE ASSOCIATES, INC.

Laboratory Services
1230 Lange Ct.
Baraboo, WI 53913
608-356-2760

ANALYTICAL REPORT

ENVIROSCIENCE
RICK KRONK
6474 CITY WEST PARKWAY
EDEN PRAIRIE, MN 55344

Client I.D. No.:1223
Work Order No.:9405000666
Project Name:HURLEY/HWY 77
Project Number:W94001.31
Arrival Temperature:ON ICE
Date Recieved: 05/27/94
Report Date: 06/13/94

Sample I.D. #:67480 **Sample Description:**TRIP BLANK **Date Sampled:**05/25/94

Analyte	Result	Units
Methyl t-Butyl Ether	<1.0	ug/L
Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
m & p- Xylene	<1.0	ug/L
o-Xylene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
Analysis Date PVOC	05/31/94	

Sample pH was 6.5. Air bubble present in sample vial (6 mm diameter).

Submitted By:

Wisconsin DNR Laboratory Certification Number: 157066030
DHSS Certification Number: MW0289

MSA
MID-STATE ASSOCIATES, INC.

Chain of Custody:
MID-STATE ASSOCIATES, INC.
1-800-228-3012

12__ _unge _urt
Baraboo, WI 53913
(608) 356-2760
FAX: (608) 356-2766

Is this a PECFA project? (Please indicate "yes" or "no") — "no" circled

SAMPLE COLLECTOR: S. Palzkill
COMPANY: Enviroscience
TELEPHONE NUMBER (INCLUDE AREA CODE): 715-835-9311
PROJECT NUMBER: W94001.31
PROJECT NAME: Hurley / Hwy 77

I HEREBY CERTIFY THAT I RECEIVED, PROPERLY HANDLED, AND DISPOSED OF THESE SAMPLES AS NOTED BELOW:

INVOICE ADDRESS (MUST BE COMPLETED): Suite 20 54701 1101 west Clairemont Av Eau Claire, WI
REPORT ADDRESS (MUST BE COMPLETED): 1101 west Clairemont Ave Suite 20 Eau Claire WI 54701

DATE & TIME OF RELINQUISHMENT: 5-26-94 11:00 AM
RELINQUISHED BY (SIGNATURE): [signature]
RECEIVED BY (SIGNATURE):
DATE/TIME OF RECEPTION:

DATE & TIME OF RELINQUISHMENT:
RELINQUISHED BY (SIGNATURE):
RECEIVED BY LABORATORY (SIGNATURE): [signature]
DATE/TIME OF RECEPTION: 5/27 11:00

FIELD ID NUMBER	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	SAMPLE DEVICE	PRESERV. TYPE	LOCATION/DESCRIPTION	TYPE OF ANALYSIS REQUIRED (PLEASE CIRCLE)	LAB USE ONLY Pres. w/MEOH? "X" if yes	NO./TYPE OF CONTAINERS	LAB I.D.
SB-1	5-24-94	10:16 AM	Soil	Grab	GRO-Methanol	Soil boring # 1 At Post office, 7.5-9.5	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67443
SB-2	5-24-94	11:16 AM	Soil	Grab	GRO-Methanol	SB-2 at Post office 7.5-9.5	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67444
SB-3	5-24-94	2:30 pm	Soil	Grab	GRO Methanol	SB-3 at City Hall 8.0-10.0'	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67445
SB-4	5-24-94	3:08 pm	Soil	Grab	GRO Methanol	SB-4 at City Hall 7.5-9.5	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67446
SB-5	5-24-94	4:00 pm	Soil	Grab	GRO Methanol	SB-5 at Abandoned Gas Station 2.5-4.5	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67447
SB-6	5-24-94	4:30 pm	Soil	Grab	GRO Methanol	SB-6 at Abandoned Gas Station 5.0-7.0	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67448
SB-7	5-25-94	11:15 Am	Soil	Grab	GRO Methanol	SB-7 at Kopacz Garage 2.5-4.5	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		3-60 ml Amber	67449
SB-8	5-25-94	10:17 AM	Soil	Grab	GRO Methanol	SB-8 at Kopacz Garage 5.0-7.0	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67450
SB-6 Dup	5-24-94	4:30	Soil	Grab	GRO Methanol	SB-6 at Abandoned Gas Station 5.0-7.0 Duplicate	(DRO) (GRO) GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH		4-60 ml Amber	67451
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200 SIEVE PAINT FILTER PAH			

SAMPLE CONDITIONS/COMMENTS:

ICED

ARRIVAL TEMPERATURE
_____ DEG. C

MID-STATE ASSOCIATES, INC.

Chain of Custody:
MID–STATE ASSOCIATES, INC.

1–800–228–3012

1230 Lange Court
Baraboo, WI 53913
(608) 356–2760
FAX: (608) 356–2766

Is this a PECFA project? (Please indicate "yes" or "no") "no" (circled)

SAMPLE COLLECTOR: S. Patzkill | COMPANY: Enviroscience | TELEPHONE NUMBER (INCLUDE AREA CODE): 715 - 835 - 9311

PROJECT NUMBER: W94001.31 | PROJECT NAME: Hurley / Hwy 77

I HEREBY CERTIFY THAT I RECEIVED, PROPERLY HANDLED, AND DISPOSED OF THESE SAMPLES AS NOTED BELOW:

INVOICE ADDRESS (MUST BE COMPLETED): 1101 West Clairemont Ave Suite 20 Eau Claire, WI 54701

REPORT ADDRESS (MUST BE COMPLETED): 1101 West Clairemont Ave Suite 20 Eau Claire, WI 54701

DATE & TIME OF RELINQUISHMENT:	RELINQUISHED BY (SIGNATURE):	RECEIVED BY (SIGNATURE):	DATE/TIME OF RECEPTION:
5-26-94 11:00 AM	Steve Patzkill		
DATE & TIME OF RELINQUISHMENT:	RELINQUISHED BY (SIGNATURE):	RECEIVED BY LABORATORY (SIGNATURE):	DATE/TIME OF RECEPTION:
		[signature]	5/27 11:00

FIELD ID NUMBER	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE	SAMPLE DEVICE	PRESERV. TYPE	LOCATION/DESCRIPTION	TYPE OF ANALYSIS REQUIRED (PLEASE CIRCLE)	LAB USE ONLY Pres. w/MEOH? "X" if yes	NO./TYPE OF CONTAINERS	LAB I.D.
SB-1	5-24-94	5:30pm	Water	Grab	HCL	Temp. well located at SB-1, Post office	DRO GRO GRO/PVOC (PVOC) Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH	Small bubble in 1 of 3	3-40 ml vial	67452
SB-3	5-25-94	12:30pm	water	Grab	HCL	Temp. well at SB-3 City Hall	DRO GRO GRO/PVOC (PVOC) Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH		3-40 ml vial	67453
SB-6	5-25-94	11:55AM	water	Grab	HCL	Temp well at SB-6 Abandoned Gas Station	DRO GRO GRO/PVOC (PVOC) Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH		3-40 ml vial	67454
SB-6 Dup	5-25-94	12:14pm	water	Grab	HCL	Temp well at SB-6 Abandoned Gas Station	DRO GRO GRO/PVOC (PVOC) Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH		3-40 ml vial	67455
						Trip Blank	DRO GRO GRO/PVOC (PVOC) Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			67480
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			
							DRO GRO GRO/PVOC PVOC Pb Cd %SOLIDS FLASHPOINT VOC-LUST VOC-8021 SIEVE #200SIEVE PAINT FILTER PAH			

SAMPLE CONDITIONS/COMMENTS:

ARRIVAL TEMPERATURE: On Ice DEG. C

D Standard Sampling and Analytical Procedures

D-1 Drilling and Soil Sampling

Drilling operations were performed by WTD Environmental Drilling, Schofield, Wisconsin, utilizing a truck mounted drill rig.

Split-barrel soil sampling in the standard penetration soil borings was performed using hollow-stem auger techniques in accordance with ASTM:D1586-84. Using this procedure, a 2" O.D. split barrel sampler was driven into the soil by a 140 lb. weight falling 30". Laboratory analysis samples were removed from the split-spoons using clean, stainless steel utensils and placed in laboratory supplied jars. After each sample was removed, the split-spoon was washed in an Alconox™ detergent and tap water solution, then rinsed with distilled water.

D-2 Soil Classification

As the samples were obtained in the field, they were visually and manually classified by the crew chief and site geologist in accordance with ASTM-D2488-84. Representative portions of the samples were then returned to the office for further examination and for verification of the field classification. Logs of the standard penetration borings were prepared indicating the depth and identification of the various strata, water level information and pertinent information regarding the method of maintaining and advancing the drill holes (Appendix B).

D-3 PID Calibration and Field Screening Procedures

The photoionization detector (PID) was used to monitor soil gas in samples for Volatile Organic Compounds (VOC's). The PID measures VOC's in equivalent ppm of benzene. Soil gas readings were taken at 2.5-foot intervals using the headspace method. Samples were put into heavy duty Ziploc™ bags and placed in (or out) of the sun and allowed to equilibrate to approximately 70° F. After equilibration the PID probe was inserted into the bag headspace and the reading was taken.

The PID was calibrated at the beginning of the day and at the completion of drilling, with the following information having been recorded:

Span Setting:	9.80
Beginning Reading:	57.4 ppm
Ending Reading:	57.9 ppm
Calibration Gas:	57 ppm Isobutylene
Model:	hNu Model 101
Probe:	10.2 eV Lamp
Air Temperature:	45° F

D-4 Temporary Monitoring Well Installation

The shallow temporary monitoring well was installed by placing a PVC screened well casing within the boring.

D-5 Monitoring Well Groundwater Sampling

Groundwater samples were collected using dedicated, bottom-loading, disposable plastic bailers and new nylon rope. The water samples for BETX analyses were

collected in 40 ml, laboratory-cleaned, glass purge-and-trap vials with Teflon-lined, septum-sealed caps containing HCl as a preservative.

D-6 Laboratory Analysis

All sample containers were placed in an ice-filled cooler immediately after collection and transported to Mid-State Associates, Inc., in Baraboo, Wisconsin, in the cooler. The samples were accompanied by proper chain-of-custody forms. Gasoline Range Organics (GRO) was performed by utilizing the Wisconsin GRO method. Diesel Range Organics (DRO) was performed by utilizing the Wisconsin DRO method. Petroleum Volatile Organic Compounds (PVOC) was performed utilizing gas chromatography according to SW-846, Method 8020.

D -7 Borehole Abandonment and Soil Cuttings Disposal

The temporary monitoring well was dismantled and both soil borings were completely backfilled with bentonite. A WDNR borehole abandonment form for each borehole is included with this report.

From field screening and olfactory perception there was no indication of the presence of petroleum constituents in the soil cuttings from either borehole. For this reason all soil cuttings were spread over the grassed area of the boulevard.

APPENDIX C

UNDERGROUND STORAGE TANK REMOVAL DOCUMENTS

SGS EnvironmentalContracting, LLC

UST / AST Removal

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

Jay A. Schlueter
CELL (715) 218-1001
jschlueter@hughes.net

REMEDIATION SYSTEM CONSTRUCTION

CONTAMINATED SOIL EXCAVATIONS

GEOPROBE SOIL BORING

CERTIFICATE OF UNDERGROUND STORAGE TANK DISPOSAL

On September 15th, 2010, SGS Environmental Contracting LLC, completed the removal of (2) Underground Storage Tanks: (2) – 1,000 gallon Unleaded Gas UST's for:

Former Thomas Service Station
55 Wisconsin Ave.
Montreal WI 54550

One drum of sludge was generated at the job site and disposed of by:
Chief Waste Treatment Corporation
210 Tower Rd
Winneconne, WI 54986

Water product in the tank was pumped and disposed at the Gogebic –Iron Wastewater Treatment Facility
700 W. Cloverland Dr.
Ironwood MI 49938

SGS Environmental Contracting LLC, disposed of the tanks at:

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

Jay A. Schlueter Project Manager

TDID#: 3900664

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

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

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. [illegible] Send each completed form to the agency designated [illegible]
[illegible] a form? ☑ Yes ☐ No If yes, are you correcting/updating information only? ◆ Yes ☐ No

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

This registration applies to a tank status that is (check one)

☐ In Use ☐ Newly Installed ☐ Abandoned with Product ☐ Abandoned without Product (empty)
☑ Closed - Tank Removed ☐ Closed - Filled with Inert Materials ☐ Abandon with Water ☐ Temporarily Out of Service - Provide Date ________
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located: ☑ City ☐ Village ☐ Town of: Montreal

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Former Thomas Service Station
Site Street Address: 55 Wisconsin Ave.
Site Telephone Number: ( )
☑ City ☐ Village ☐ Town of: Montreal
State: WISCONSIN — Zip Code: 54550 — County: Iron

2. Tank Owner Name: Iron County Garage
[redacted]: 360 [illegible] St.
Telephone Number: ( )
■ City ☐ Village ☐ Town of: Montreal
State: WI — Zip Code: 54550 — County: Iron

3. Property Owner Name (if different than tank owner):
Property Owner Address if different than #1:

B. Site ID #: — Facility ID #: 57300 — Customer ID #:

C. Tank Capacity (gallons): 1000 — Tank Age (age or date installed): — Vehicle fueling: ■ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

* NOT PECFA eligible

Geo Latitude: — Geo Longitude:

O. If Tank Closed, Abandoned or Out of Service Give date (mo/day/yr): 9-13-10

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

Tank Owner Name (please print):
Iron County Wisconsin (County Board Chairman Dennis DeRosso)

Tank Owner Signature (Note: By signing, signer is accepting legal and [illegible]): Dennis DeRosso — Date: 10/18/10

ERS-7437 (R.12/09) — Note: Refer to comments on reverse side of form

TDID#: 39550 5

Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

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

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. ... each tank. Send each completed form to the agency designated ... ☑ Yes ☐ No. If yes, are you correcting/updating information ... ◆ Yes ☐ No

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

This registration applies to a tank status that is (check one):
☐ In Use ☐ Newly Installed ☐ Abandoned with Product ☐ Abandoned without Product (empty)
☑ Closed - Tank Removed ☐ Closed - Filled with Inert Materials ☐ Abandon with Water ☐ Temporarily Out of Service - Provide Date: ______
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located: ☑ City ☐ Village ☐ Town of
Montreal

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Former Thomas Service Station	Site Street Address: 55 Wisconsin Ave.		Site Telephone Number: ( )
☑ City ☐ Village ☐ Town of: Montreal	State: WISCONSIN	Zip Code: 54550	County: Iron
2. Tank Owner Name: Iron County Garage	Mailing Address: 300 Taconite St.		Telephone Number: ( )
☒ City ☐ Village ☐ Town of: Montreal	State: WI	Zip Code: 54550	County: Iron
3. Property Owner Name (if different than tank owner)	Property Owner Address if different than #1		

B. Site ID #: | Facility ID #: 57300 | Customer ID #:

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

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

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

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

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

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

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

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

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

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

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

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

* NOT PECFA eligible.

Geo Latitude: | Geo Longitude:

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

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

Tank Owner Name (please print): Iron County Wisconsin (Countyboard Chairman Dennis DeRosso)

Tank Owner Signature (Note: By signing, signer is a ... legal and ... responsibility for this ... system): Dennis DeRosso

Date: 10/18/10

Note: Refer to comments on reverse side of form.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
[illegible]	1		001657440 FLE

GENERATOR

5. Generator's Name and Mailing Address
Iron County Wisconsin Zoning Department
300 Taconite St, Hurley, Wisconsin
Generator's Phone: (715) 561-5111

Generator's Site Address (if different than mailing address)
Former Texaco Service
53 Wisconsin Ave
Montreal, Wisconsin

6. Transporter 1 Company Name
SES Environmental Contracting LLC
U.S. EPA ID Number: NA

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Gogebic-Iron Wastewater Treatment Facility
700 W Cloverland Dr. Ironwood, MI 49938
Facility's Phone: (906) 932-5312
U.S. EPA ID Number: MI0020125

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Petroleum Tainted Water Non-Hazardous	1	DF	1,500	gal	D99
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Mark Bowman | Signature: Mark Bowman | Month: 9 | Day: 15 | Year: 10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: BARTS# 03-26-000788
2. Page 1 of: 1
3. Emergency Response Phone:
4. Manifest Tracking Number: 001657440 FLE

GENERATOR

5. Generator's Name and Mailing Address
Iron County Wisconsin Zoning Department
300 Taconite St., Hurley, Wisconsin
Generator's Phone: (715) 561-5414

Generator's Site Address (if different than mailing address)
Former Thomas Service
55 Wisconsin Ave
Montreal, Wisconsin

6. Transporter 1 Company Name: S&S Environmental Contracting LLC
U.S. EPA ID Number: NA

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Bogebic-Iron Wastewater Treatment Facility
700 W Cloverland Dr. Ironwood, MI 49938
Facility's Phone: (906) 932-5322
U.S. EPA ID Number: MI0020125

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Petroleum Tainted Water Non-Hazardous	1	DF	1,500	gal	029L
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] Signature: [illegible] Month: Day: Year:

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Lafave Signature: [signature] Month: 9 Day: 15 Year: 10

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Mark Bowman Signature: [signature] Month: 9 Day: 15 Year: 10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: BRTS# 03-26-000788
2. Page 1 of
3. Emergency Response Phone
4. Manifest Tracking Number: 001657441 FLE

GENERATOR

5. Generator's Name and Mailing Address
Iron County Zoning Dept.
300 Taconite St.
Hurley, WI
Generator's Phone: (715) 561-5414

Generator's Site Address (if different than mailing address)
Former Thomas Service
55 Wisconsin Ave
Montreal, WI

6. Transporter 1 Company Name: S & S Environmental Contracting
U.S. EPA ID Number: NA

7. Transporter 2 Company Name: —
U.S. EPA ID Number: —

8. Designated Facility Name and Site Address
BIWTF
7000 W Cloverland Dr.
Ironwood, MI
Facility's Phone: (906) 932-5322
U.S. EPA ID Number: MI0020125

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Petroleum Tainted Water Non-Hazardous	1	DF	500	gal	029L		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Mark A Bowman Colleen Bowman
Signature: Mark A Bowman for Colleen Bowman
Month: 09 Day: 15 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Cattig
Signature:
Month: 9 Day: 15 Year: 10

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Mark Bowman
Signature: Mark Bowman
Month: 9 Day: 15 Year: 10

Complete One Form for Each System Service Event

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

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

CHECK ONE:

☒ **UNDERGROUND**

☐ **ABOVEGROUND**

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

RETURN COMPLETED CHECKLIST TO:

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

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

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

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

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

B. IDENTIFICATION (Please Print)

1. Facility Name: Former Town Service Station	2. Owner Name: Iron County (Geo. Zoning Dept)
Facility Street Address (not P.O. Box): 55 Wisconsin Ave	3. Contact Name: Tom Bureau — Job Title:
Municipality: Montreal	Mailing Address: 300 Terrace St.
☒ City ☐ Village ☐ Town of:	Post Office: Hurley — State: WI — Zip Code:
Zip Code: 54550 — County: Iron	County: Iron — Telephone No. (include area code): ( )
4. Primary Service Contractor Section A above: S&S Environmental Contracting LLC	Service Contractor Street Address: N2550 D Lee Dr.
Service Contractor Telephone No. (include area code): (715) 529-2032	Service Contractor City, State, Zip Code: Merrill WI 54452

C. TANK SYSTEM DETAIL (Complete for all service activities)

a	b	c	d	e	f	g		h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		If "Yes" to "g", Then Specify Source & Cause of Release[5]	
								Source of Release[3]	Cause of Release[4]
278866	P	steel	steel	10000	UG	☐ Y	☒ N		
278865	P	steel	steel	10000	UG	☐ Y	☒ N		
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		
						☐ Y	☐ N		

1. Indicate type of closure: P = Permanent, TOS = Temporarily Out-of-Service, CIP = Closure In-Place

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

CAS number(s):

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

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

5. Has release been reported to the Department of Natural Resources? ☐ Yes ☒ No ☐ Release not evident at this time

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

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

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

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

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

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

4. Dispensers/pumps left in place but locked and power disconnected.	☐Y ☐N	☐Y ☐N	☑
5. Vent lines left open.	☐Y ☐N	☐Y ☐N	☑
6. Inventory form filed indicating temporarily out-of-service (TOS) closure.	☐Y ☐N	☐Y ☐N	☑

D.2. ☑ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

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

2. Specific Closure-by-Removal Requirements

a. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☐Y ☐N	☑Y ☐N	☐
b. Tank cleaned before being removed from site.	☐Y ☐N	☑Y ☐N	☐
c. Tank labeled in 2" high letters after removal but before being moved from site.	☐Y ☐N	☑Y ☐N	☐
NOTE: **COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.**			
d. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐Y ☐N	☐Y ☐N	☐
e. Site security is provided while the excavation is open.	☐Y ☐N	☐Y ☐N	☐

3. Specific Closure-In-Place Requirements

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

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

E. REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 15 days in advance of service date.	☑Y	☐N	☐NA
All local permits were obtained before beginning service.	☑Y	☐N	☐NA
Form ERS-7437 or ☐ ERS-8731 filed by owner with the Department of Commerce indicating change-in-service.	☐Y	☐N	☐NA

F. METHOD OF VAPOR FREEING OF TANK

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

☐ Inert gas using dry ice or liquid carbon dioxide.

☐ Inert gas using CO_2 or N_2 **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. LEL METERS MAY NOT FUNCTION ACCURATELY. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

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

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

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

G. REMOVER/CLEANER INFORMATION

Remover/Cleaner Name (print)	Remover/Cleaner Signature	Certification No.	Date Signed
[illegible]	[signature]	15191	9-15-10

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

Company expected to perform soil contamination assessment _____

H. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:
RANDY BARNES	Randy Barnes	35088	262009

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
2609	715-479-8328	9-15-10

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

July 30, 2010

John Hunt
COLEMAN ENGINEERING
635 Circle Drive
Iron Mountain, MI 49801

WATER IN UST FOR DISPOSAL

RE: Project: EE10201 THOMAS
Pace Project No.: 4034777

Dear John Hunt:
Enclosed are the analytical results for sample(s) received by the laboratory on July 23, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kang Khang

Kang Khang

kang.khang@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: EE10201 THOMAS
Pace Project No.: 4034777

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: EE10201 THOMAS
Pace Project No.: 4034777

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4034777001	**THOMAS UST**	Water	07/15/10 00:00	07/23/10 10:30

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: EE10201 THOMAS
Pace Project No.: 4034777

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4034777001	**THOMAS UST**	WI MOD GRO	SES	9	PASI-G

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: EE10201 THOMAS
Pace Project No.: 4034777

Sample: THOMAS UST **Lab ID: 4034777001** Collected: 07/15/10 00:00 Received: 07/23/10 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**4470**	ug/L	50.0	19.4	50		07/28/10 17:04	71-43-2	
Ethylbenzene	**322**	ug/L	50.0	20.7	50		07/28/10 17:04	100-41-4	
Gasoline Range Organics	**20800**	ug/L	2500	1620	50		07/28/10 17:04		
Methyl-tert-butyl ether	**<19.0**	ug/L	50.0	19.0	50		07/28/10 17:04	1634-04-4	
Toluene	**7120**	ug/L	50.0	20.8	50		07/28/10 17:04	108-88-3	
1,2,4-Trimethylbenzene	**313**	ug/L	50.0	21.5	50		07/28/10 17:04	95-63-6	
1,3,5-Trimethylbenzene	**92.5**	ug/L	50.0	19.8	50		07/28/10 17:04	108-67-8	
Xylene (Total)	**2970**	ug/L	150	62.6	50		07/28/10 17:04	1330-20-7	
a,a,a-Trifluorotoluene (S)	99	%	80-120		50		07/28/10 17:04	98-08-8	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: EE10201 THOMAS
Pace Project No.: 4034777

QC Batch: GCV/5363
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4034777001

METHOD BLANK: 331884 Matrix: Water
Associated Lab Samples: 4034777001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	07/27/10 10:47	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	07/27/10 10:47	
Benzene	ug/L	<0.39	1.0	07/27/10 10:47	
Ethylbenzene	ug/L	<0.41	1.0	07/27/10 10:47	
Gasoline Range Organics	ug/L	<32.4	50.0	07/27/10 10:47	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	07/27/10 10:47	
Toluene	ug/L	<0.42	1.0	07/27/10 10:47	
Xylene (Total)	ug/L	<1.3	3.0	07/27/10 10:47	
a,a,a-Trifluorotoluene (S)	%	99	80-120	07/27/10 10:47	

LABORATORY CONTROL SAMPLE & LCSD: 331885 331886

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	18.2	18.4	91	92	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	18.3	18.5	91	92	80-120	1	20	
Benzene	ug/L	20	18.9	18.8	94	94	80-120	.5	20	
Ethylbenzene	ug/L	20	18.5	18.7	93	93	80-120	.6	20	
Gasoline Range Organics	ug/L	200	177	177	88	88	80-120	.09	20	
Methyl-tert-butyl ether	ug/L	20	19.4	19.3	97	97	80-120	.04	20	
Toluene	ug/L	20	18.7	18.7	93	94	80-120	.4	20	
Xylene (Total)	ug/L	60	55.1	55.6	92	93	80-120	.8	20	
a,a,a-Trifluorotoluene (S)	%				98	99	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 332210 332211

Parameter	Units	4034844009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	814	100	100	914	899	99	85	31-178	2	20	
1,3,5-Trimethylbenzene	ug/L	199	100	100	291	289	92	89	66-145	.9	20	
Benzene	ug/L	712	100	100	824	812	112	100	23-177	1	20	
Ethylbenzene	ug/L	349	100	100	450	443	100	94	63-144	2	20	
Methyl-tert-butyl ether	ug/L	7.2	100	100	93.3	93.3	86	86	80-120	.01	20	
Toluene	ug/L	968	100	100	1090	1070	117	98	53-164	2	20	
Xylene (Total)	ug/L	2740	300	300	3070	3010	111	90	41-166	2	20	
a,a,a-Trifluorotoluene (S)	%						95	95	80-120			

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: EE10201 THOMAS
Pace Project No.: 4034777

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

COC No.

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	COLEMAN ENG.
Branch/Location:	IRON MOUNTAIN
Project Contact:	JOHN HUNT
Phone:	774 3440
Project Number:	EE10201
Project Name:	THOMAS
Project State:	WI
Sampled By (Print):	JOHN HUNT
Sampled By (Sign):	
PO #:	EE10201
Regulatory Program:	

Quote #:	
Mail To Contact:	X
Mail To Company:	
Mail To Address:	635 CIRCLE DR IM 49801
Invoice To Contact:	X
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	Pick Letter	Analyses Requested: RVOC + GRO							CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N		N									
	THOMAS UST	7-15		WW	X		X									

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	7-15		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

GOGEBIC-IRON WASTEWATER AUTHORITY

700 West Cloverland Drive • Ironwood, Michigan 49938-1013 • Telephone: (906) 932-5322 • Fax: (906) 932-5398

EE 10201A OK JTH
IRON CO

INVOICE / STATEMENT

Coleman Engineering
635 Circle Drive
Iron Mountain, MI 49801

28/10/2010

Due Date:
Upon Receipt

Date	Volume	Description	Rate/Gal.	Charges
15-Sep-2010		Administration Fee		$ 50.00
15-Sep-2010	1,500	Petroleum Tainted Water - Non Hazardous (Former Thomas Service 55 Wisconsin Ave, Montreal, WI)	0.08000	$ 120.00
		TOTAL AMOUNT DUE		**$ 170.00**

SGS ENVIRONMENTAL CONTRACTING LLC

N2570 Daytona Drive
Merrill, WI 54452

1-800-261-2803
715-539-2803 715-539-2661 FAX
jschlueter@hughes.net

Invoice

Date	Invoice #
9/29/2010	23205

COLEMAN ENGINEERING CO
635 CIRCLE DRIVE
IRON MOUNTAIN MI 49801

Site Address

Iron County Garage
300 Tucanite St.
Montreal WI 54550

P.O. No.	Terms	Customer Contact	
	Due on receipt		10-1834-01 Iron County Garage

Units	Description	Rate	Amount
	Mobilization/ Demobilization	600.00	600.00
	Concrete: Includes removal of concrete above tanks. Concrete to be left on site.	450.00	450.00
	EXCAVATION: Includes excavation and removal of tanks	650.00	650.00
	Back fill: Includes back filling of tank excavation.	0.00	0.00
	Tank Water: Includes removal and transportation of tank water to local WWTP. Disposal cost not included.	350.00	350.00
	Tank: Cut & Clean Specific sizes (2) 1000 gallon steel UST's	1,100.00	1,100.00
	Documentation: Secretarial, computer data, processing of required documents to state agencies.	95.00	95.00
	Sludge and or Product: 1 drum brought back to SGS.	250.00	250.00

OK JTH
EE 10201
EE10201

It's been a pleasure working with you!

Total $3,495.00

A CHARGE OF 1.5% PER MONTH WILL BE ADDED TO ACCOUNTS OVER 30 DAYS

APPENDIX D

BORING LOGS AND WELL REPORTS

State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _ _	_ _ _	± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890"
Long 90° 13' 748"

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	ASPHALT SAND & GRAVEL										
			2	BLACK PEAT										
			3	RED SILTY SAND TR CLAY STRONG PETROL ODOR										
			5	WET										
				ROCK FRAGS										
			8	REFUSAL @ 8.0 SET TEMP WELL @ 8.0' SAMPLE & PULL WELL BACKFILL HOLE W/CHIPS										

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

Signature John Hunt Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890
Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				SAND & GRAVEL (FILL)										
				PETROL ODOR										
			3.5	RED SILTY SAND										
				WET @ 5										
				ROCK FRAGS										
			6	REFUSAL @ 6.0										
				BACKFILL W/ CHIPS										

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

Signature John Hunt Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890
Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	SAND & GRAVEL FILL										
			2	PEAT										
				RED SILTY SAND										
			5	WET										
				ROCK FRAGS										
			7	REFUSAL @ 7.0										
				BACKFILL W/CHIPS										

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

Signature [signature] Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890
Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	SAND & GRAVEL										
			3	PEAT										
				RED SILTY SAND										
				ROCK FRAGS WET										
				REFUSAL @ 5										
				BACKFILL W/CHIPS										

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Signature John Hunt Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E
Lat 46° 25' 890 Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	SAND & GRAVEL										
			3	PEAT										
			4	SILTY SAND										
				ROCK FRAGS WET										
				REFUSAL @ 5 FEET										
				BACKFILL W/CHIPS										

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

Signature	Firm
John Hunt	COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890
Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				SAND & GRAVEL										
			2	BROWN SANDY SILT										
			4	RED SILTY SAND										
				WET										
			6	ROCK FRAGS										
				REFUSAL @ 9										
				SET TEMP @ 9										
				SAMPLE & PULL WELL										
				BACKFILL W/CHIPS										

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

Signature John Hunt Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-7

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010 (m m / d d / y y y y)	11/17/2010 (m m / d d / y y y y)	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_____	_____	_____	± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E
Lat 46° 25' 890" Long 90° 13' 748"

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	SAND & GRAVEL										
				PEAT										
			3	RED SILTY SAND										
				ROCK FRAGS										
				WET										
				REFUSAL @ 6.0										
				SET TEMP WELL @ 6										
				SAMPLE & PULL WELL										
				BACKFILL W/CHIPS										

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

Signature John Hunt Firm COLEMAN ENGINEERING CO

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State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-8

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E
Lat 46° 25' 890 Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			1	SAND & GRAVEL										
			2.5	PEAT										
				RED SILTY SAND PETROL ODOR ROCK FRAGS WET										
				REFUSAL @ 5.0										
				BACKFILL W/CHIPS										

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

Signature	Firm
John Hunt	COLEMAN ENGINEERING CO

State of Wisconsin
Department of Natural Resources

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

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

Page 1 of 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FORMER THOMAS SERVICE STATION	03-26-000788	B-9

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: COLEMAN ENGINEERING COMPANY	11/17/2010	11/17/2010	DIRECT PUSH

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
_ _ _ _ _ _	_ _ _		± _____ Feet MSL	1475 Feet MSL	2.5 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane _____ N, _____ E
SE 1/4 of SW 1/4 of Section 27, T 46 N, R 2 E

Lat 46° 25' 890
Long 90° 13' 748

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

Facility ID	County	County Code	Civil Town/City/ or Village
826034110	IRON	26	MONTREAL

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				SAND & GRAVEL										
			1	PEAT										
			2.5	RED SILTY SAND ROCK FRAGS WET REFUSAL @ 5.0 BACKFILL W/CHIPS										

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

Signature John Hunt Firm COLEMAN ENGINEERING CO

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 E

LABORATORY REPORTS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 22, 2010

John Hunt
COLEMAN ENGINEERING
635 Circle Drive
Iron Mountain, MI 49801

RE: Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Dear John Hunt:
Enclosed are the analytical results for sample(s) received by the laboratory on September 17, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven Mleczko

steve.mleczko@pacelabs.com
Project Manager

Enclosures

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www.pacelabs.com

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037109001	NORTH TANK PIT @ 6'	Solid	09/15/10 00:00	09/17/10 10:50
4037109002	SOUTH TANK PIT @ 6'	Solid	09/15/10 00:00	09/17/10 10:50
4037109003	TANK PIT	Water	09/15/10 00:00	09/17/10 10:50

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SAMPLE ANALYTE COUNT

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037109001	NORTH TANK PIT @ 6'	WI MOD GRO	SES	9	PASI-G
4037109002	SOUTH TANK PIT @ 6'	WI MOD GRO	SES	9	PASI-G
4037109003	TANK PIT	WI MOD GRO	SES	9	PASI-G

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Sample: NORTH TANK PIT @ 6' **Lab ID: 4037109001** Collected: 09/15/10 00:00 Received: 09/17/10 10:50 Matrix: Solid
Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<100**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	71-43-2	W
Ethylbenzene	**<100**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	100-41-4	W
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	1634-04-4	W
Toluene	**207J**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	108-88-3	
1,2,4-Trimethylbenzene	**2460**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	95-63-6	
1,3,5-Trimethylbenzene	**1950**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	108-67-8	
m&p-Xylene	**368J**	ug/kg	480	200	4	09/20/10 08:26	09/21/10 14:40	179601-23-1	
o-Xylene	**526**	ug/kg	240	100	4	09/20/10 08:26	09/21/10 14:40	95-47-6	
a,a,a-Trifluorotoluene (S)	139	%	80-120		4	09/20/10 08:26	09/21/10 14:40	98-08-8	D3,S7

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Sample: SOUTH TANK PIT @ 6' **Lab ID: 4037109002** Collected: 09/15/10 00:00 Received: 09/17/10 10:50 Matrix: Solid
Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	09/20/10 08:26	09/21/10 18:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	09/20/10 08:26	09/21/10 18:55	95-47-6	W
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	09/20/10 08:26	09/21/10 18:55	98-08-8	

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

Sample: TANK PIT **Lab ID: 4037109003** Collected: 09/15/10 00:00 Received: 09/17/10 10:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**1.5**	ug/L	1.0	0.39	1		09/20/10 15:16	71-43-2	
Ethylbenzene	**8.4**	ug/L	1.0	0.41	1		09/20/10 15:16	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		09/20/10 15:16	1634-04-4	
Toluene	**7.5**	ug/L	1.0	0.42	1		09/20/10 15:16	108-88-3	
1,2,4-Trimethylbenzene	**4.0**	ug/L	1.0	0.43	1		09/20/10 15:16	95-63-6	
1,3,5-Trimethylbenzene	**1.1**	ug/L	1.0	0.40	1		09/20/10 15:16	108-67-8	
m&p-Xylene	**30.7**	ug/L	2.0	0.87	1		09/20/10 15:16	179601-23-1	
o-Xylene	**24.0**	ug/L	1.0	0.38	1		09/20/10 15:16	95-47-6	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		09/20/10 15:16	98-08-8	

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

QC Batch: GCV/5610 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4037109001, 4037109002

METHOD BLANK: 356900 Matrix: Solid
Associated Lab Samples: 4037109001, 4037109002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	09/21/10 08:13	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	09/21/10 08:13	
Benzene	ug/kg	<25.0	60.0	09/21/10 08:13	
Ethylbenzene	ug/kg	<25.0	60.0	09/21/10 08:13	
m&p-Xylene	ug/kg	<50.0	120	09/21/10 08:13	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	09/21/10 08:13	
o-Xylene	ug/kg	<25.0	60.0	09/21/10 08:13	
Toluene	ug/kg	<25.0	60.0	09/21/10 08:13	
a,a,a-Trifluorotoluene (S)	%	104	80-120	09/21/10 08:13	

LABORATORY CONTROL SAMPLE & LCSD: 356901 356902

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1110	1140	111	114	80-120	3	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1110	1150	111	115	80-120	4	20	
Benzene	ug/kg	1000	1020	1040	102	104	80-120	2	20	
Ethylbenzene	ug/kg	1000	1080	1120	108	112	80-120	3	20	
m&p-Xylene	ug/kg	2000	2180	2260	109	113	80-120	4	20	
Methyl-tert-butyl ether	ug/kg	1000	981	990	98	99	80-120	.9	20	
o-Xylene	ug/kg	1000	1080	1120	108	112	80-120	4	20	
Toluene	ug/kg	1000	1050	1080	105	108	80-120	3	20	
a,a,a-Trifluorotoluene (S)	%				103	103	80-120			

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

QC Batch: GCV/5612
QC Batch Method: WI MOD GRO
Associated Lab Samples: 4037109003

Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water

METHOD BLANK: 356975 Matrix: Water

Associated Lab Samples: 4037109003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	09/20/10 10:08	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	09/20/10 10:08	
Benzene	ug/L	<0.39	1.0	09/20/10 10:08	
Ethylbenzene	ug/L	<0.41	1.0	09/20/10 10:08	
m&p-Xylene	ug/L	<0.87	2.0	09/20/10 10:08	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	09/20/10 10:08	
o-Xylene	ug/L	<0.38	1.0	09/20/10 10:08	
Toluene	ug/L	<0.42	1.0	09/20/10 10:08	
a,a,a-Trifluorotoluene (S)	%	103	80-120	09/20/10 10:08	

LABORATORY CONTROL SAMPLE & LCSD: 356976 356977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.4	20.2	102	101	80-120	.7	20	
1,3,5-Trimethylbenzene	ug/L	20	20.6	20.3	103	101	80-120	2	20	
Benzene	ug/L	20	20.7	20.6	104	103	80-120	.6	20	
Ethylbenzene	ug/L	20	20.8	20.5	104	103	80-120	1	20	
m&p-Xylene	ug/L	40	41.1	40.6	103	101	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	20.4	21.1	102	105	80-120	3	20	
o-Xylene	ug/L	20	20.5	20.3	103	102	80-120	1	20	
Toluene	ug/L	20	20.7	20.5	104	103	80-120	.8	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 356978 356979

Parameter	Units	4036966009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	2090	1000	1000	3200	3150	111	106	31-178	2	20	
1,3,5-Trimethylbenzene	ug/L	597	1000	1000	1730	1710	114	111	66-145	2	20	
Benzene	ug/L	703	1000	1000	1800	1780	109	108	23-177	.7	20	
Ethylbenzene	ug/L	2350	1000	1000	3480	3430	113	108	63-144	1	20	
m&p-Xylene	ug/L	7320	2000	2000	9530	9420	110	105	39-172	1	20	
Methyl-tert-butyl ether	ug/L	<19.0	1000	1000	1040	1060	104	106	80-120	2	20	
o-Xylene	ug/L	2100	1000	1000	3190	3160	109	106	60-150	1	20	
Toluene	ug/L	7020	1000	1000	8090	7950	107	93	53-164	2	20	
a,a,a-Trifluorotoluene (S)	%						103	103	80-120			

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(920)469-2436

QUALIFIERS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4037109

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
W	Non-detect results are reported on a wet weight basis.

(Please Print Clearly)

Company Name:	Coleman Engineering
Branch/Location:	Iron Mountain
Project Contact:	John Hunt
Phone:	906-774-3446
Project Number:	EE10201
Project Name:	Thomas Service
Project State:	WI
Sampled By (Print):	Wayd Mitchell
Sampled By (Sign):	Wayd Mitchell
PO #:	
Regulatory Program:	NO

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

COC No.

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	John Hunt
Mail To Company:	Coleman Engineering
Mail To Address:	635 Circle Drive Iron Mountain MI
Invoice To Contact:	SAP
Invoice To Company:	SAP
Invoice To Address:	SAP
Invoice To Phone:	906-774-3446

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) PRESERVATION (CODE)* Y/N	Pick Letter	Analyses Requested: RUOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N					
	North tank pit @ 6'	9-15	pm	Soil			X			
	South tank pit @ 6'	9-15	pm	Soil			X			
	Tank Pit	9-15	pm	water			X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Wayd Mitchell	Date/Time: 9-16-10 10:am	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 24, 2010

John Hunt
COLEMAN ENGINEERING
635 Circle Drive
Iron Mountain, MI 49801

RE: Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Dear John Hunt:
Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Steven Mleczko

steve.mleczko@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4039857001	B-1	Solid	11/17/10 08:15	11/19/10 10:40
4039857002	B-2	Solid	11/17/10 08:45	11/19/10 10:40
4039857003	B-3	Solid	11/17/10 09:00	11/19/10 10:40
4039857004	B-4	Solid	11/17/10 09:15	11/19/10 10:40
4039857005	B-5	Solid	11/17/10 09:30	11/19/10 10:40
4039857006	B-6	Solid	11/17/10 09:45	11/19/10 10:40
4039857007	B-7	Solid	11/17/10 10:00	11/19/10 10:40
4039857008	B-8	Solid	11/17/10 10:30	11/19/10 10:40
4039857009	B-9	Solid	11/17/10 11:00	11/19/10 10:40
4039857010	B-1 WELL	Water	11/17/10 12:45	11/19/10 10:40
4039857011	B-6 WELL	Water	11/17/10 12:30	11/19/10 10:40
4039857012	B-7 WELL	Water	11/17/10 12:15	11/19/10 10:40
4039857013	MEOH BLANK	Solid	11/17/10 00:00	11/19/10 10:40
4039857014	TB	Water	11/17/10 00:00	11/19/10 10:40

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SAMPLE ANALYTE COUNT

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4039857001	B-1	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857002	B-2	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857003	B-3	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857004	B-4	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857005	B-5	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857006	B-6	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857007	B-7	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857008	B-8	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857009	B-9	WI MOD GRO	PMS	10	PASI-G
		ASTM D2974-87	KAM	1	PASI-G
4039857010	B-1 WELL	WI MOD GRO	SES	10	PASI-G
4039857011	B-6 WELL	WI MOD GRO	SES	10	PASI-G
4039857012	B-7 WELL	WI MOD GRO	SES	10	PASI-G
4039857013	MEOH BLANK	WI MOD GRO	PMS	10	PASI-G
4039857014	TB	WI MOD GRO	SES	10	PASI-G

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-1 **Lab ID: 4039857001** Collected: 11/17/10 08:15 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<1250**	ug/kg	3000	1250	50	11/22/10 09:24	11/22/10 17:00	71-43-2	W
Ethylbenzene	**15000**	ug/kg	3230	1350	50	11/22/10 09:24	11/22/10 17:00	100-41-4	
Methyl-tert-butyl ether	**<1250**	ug/kg	3000	1250	50	11/22/10 09:24	11/22/10 17:00	1634-04-4	W
Naphthalene	**10000**	ug/kg	3230	1350	50	11/22/10 09:24	11/22/10 17:00	91-20-3	
Toluene	**<1250**	ug/kg	3000	1250	50	11/22/10 09:24	11/22/10 17:00	108-88-3	W
1,2,4-Trimethylbenzene	**111000**	ug/kg	3230	1350	50	11/22/10 09:24	11/22/10 17:00	95-63-6	
1,3,5-Trimethylbenzene	**50700**	ug/kg	3230	1350	50	11/22/10 09:24	11/22/10 17:00	108-67-8	B
m&p-Xylene	**70000**	ug/kg	6460	2690	50	11/22/10 09:24	11/22/10 17:00	179601-23-1	
o-Xylene	**21300**	ug/kg	3230	1350	50	11/22/10 09:24	11/22/10 17:00	95-47-6	
a,a,a-Trifluorotoluene (S)	130	%	80-120		50	11/22/10 09:24	11/22/10 17:00	98-08-8	D3,S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.2**	%	0.10	0.10	1		11/23/10 07:36		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-2 **Lab ID: 4039857002** Collected: 11/17/10 08:45 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<1250**	ug/kg	3000	1250	50	11/22/10 09:24	11/22/10 17:26	71-43-2	W
Ethylbenzene	**30800**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	100-41-4	
Methyl-tert-butyl ether	**<1250**	ug/kg	3000	1250	50	11/22/10 09:24	11/22/10 17:26	1634-04-4	W
Naphthalene	**17300**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	91-20-3	
Toluene	**5560**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	108-88-3	
1,2,4-Trimethylbenzene	**211000**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	95-63-6	
1,3,5-Trimethylbenzene	**85300**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	108-67-8	B
m&p-Xylene	**147000**	ug/kg	6780	2830	50	11/22/10 09:24	11/22/10 17:26	179601-23-1	
o-Xylene	**53200**	ug/kg	3390	1410	50	11/22/10 09:24	11/22/10 17:26	95-47-6	
a,a,a-Trifluorotoluene (S)	163	%	80-120		50	11/22/10 09:24	11/22/10 17:26	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.5**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-3 **Lab ID: 4039857003** Collected: 11/17/10 09:00 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/22/10 09:24	11/22/10 12:45	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 12:45	95-47-6	W
a,a,a-Trifluorotoluene (S)	149	%	80-120		1	11/22/10 09:24	11/22/10 12:45	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.4**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-4 **Lab ID: 4039857004** Collected: 11/17/10 09:15 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	71-43-2	W
Ethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	100-41-4	W
Methyl-tert-butyl ether	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	1634-04-4	W
Naphthalene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	91-20-3	W
Toluene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	108-88-3	W
1,2,4-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	95-63-6	W
1,3,5-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	108-67-8	W
m&p-Xylene	**<50.5**	ug/kg	121	50.5	1	11/22/10 09:24	11/22/10 13:10	179601-23-1	W
o-Xylene	**<25.3**	ug/kg	60.6	25.3	1	11/22/10 09:24	11/22/10 13:10	95-47-6	W
a,a,a-Trifluorotoluene (S)	142	%	80-120		1	11/22/10 09:24	11/22/10 13:10	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.6**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-5 **Lab ID: 4039857005** Collected: 11/17/10 09:30 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	95-63-6	W
1,3,5-Trimethylbenzene	**75.0**	ug/kg	68.7	28.6	1	11/22/10 09:24	11/22/10 13:36	108-67-8	B
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/22/10 09:24	11/22/10 13:36	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 13:36	95-47-6	W
a,a,a-Trifluorotoluene (S)	139	%	80-120		1	11/22/10 09:24	11/22/10 13:36	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.7**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-6 **Lab ID: 4039857006** Collected: 11/17/10 09:45 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	71-43-2	W
Ethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	100-41-4	W
Methyl-tert-butyl ether	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	1634-04-4	W
Naphthalene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	91-20-3	W
Toluene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	108-88-3	W
1,2,4-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	95-63-6	W
1,3,5-Trimethylbenzene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	108-67-8	W
m&p-Xylene	**<51.0**	ug/kg	122	51.0	1	11/22/10 09:24	11/22/10 12:19	179601-23-1	W
o-Xylene	**<25.5**	ug/kg	61.2	25.5	1	11/22/10 09:24	11/22/10 12:19	95-47-6	W
a,a,a-Trifluorotoluene (S)	107	%	80-120		1	11/22/10 09:24	11/22/10 12:19	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-7 **Lab ID: 4039857007** Collected: 11/17/10 10:00 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	71-43-2	W
Ethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	100-41-4	W
Methyl-tert-butyl ether	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	1634-04-4	W
Naphthalene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	91-20-3	W
Toluene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	108-88-3	W
1,2,4-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	95-63-6	W
1,3,5-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	11/22/10 09:24	11/22/10 11:54	108-67-8	W
m&p-Xylene	**<52.6**	ug/kg	126	52.6	1	11/22/10 09:24	11/22/10 11:54	179601-23-1	W
o-Xylene	**29.9J**	ug/kg	69.0	28.7	1	11/22/10 09:24	11/22/10 11:54	95-47-6	
a,a,a-Trifluorotoluene (S)	105	%	80-120		1	11/22/10 09:24	11/22/10 11:54	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-8 **Lab ID: 4039857008** Collected: 11/17/10 10:30 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<500**	ug/kg	1200	500	20	11/22/10 09:24	11/22/10 17:51	71-43-2	W
Ethylbenzene	**8830**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	100-41-4	
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	11/22/10 09:24	11/22/10 17:51	1634-04-4	W
Naphthalene	**7450**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	91-20-3	
Toluene	**721J**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	108-88-3	
1,2,4-Trimethylbenzene	**94800**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	95-63-6	
1,3,5-Trimethylbenzene	**42200**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	108-67-8	B
m&p-Xylene	**42100**	ug/kg	2670	1110	20	11/22/10 09:24	11/22/10 17:51	179601-23-1	
o-Xylene	**15200**	ug/kg	1340	556	20	11/22/10 09:24	11/22/10 17:51	95-47-6	
a,a,a-Trifluorotoluene (S)	168	%	80-120		20	11/22/10 09:24	11/22/10 17:51	98-08-8	S7
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.1**	%	0.10	0.10	1		11/23/10 07:37		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-9 **Lab ID: 4039857009** Collected: 11/17/10 11:00 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/22/10 09:24	11/22/10 14:02	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 14:02	95-47-6	W
a,a,a-Trifluorotoluene (S)	112	%	80-120		1	11/22/10 09:24	11/22/10 14:02	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.4**	%	0.10	0.10	1		11/23/10 07:56		

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-1 WELL **Lab ID: 4039857010** Collected: 11/17/10 12:45 Received: 11/19/10 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**31.9**	ug/L	20.0	7.8	20		11/23/10 19:11	71-43-2	
Ethylbenzene	**444**	ug/L	20.0	8.3	20		11/23/10 19:11	100-41-4	
Methyl-tert-butyl ether	**11.9J**	ug/L	20.0	7.6	20		11/23/10 19:11	1634-04-4	
Naphthalene	**132**	ug/L	20.0	8.1	20		11/23/10 19:11	91-20-3	
Toluene	**35.5**	ug/L	20.0	8.3	20		11/23/10 19:11	108-88-3	
1,2,4-Trimethylbenzene	**1400**	ug/L	20.0	8.6	20		11/23/10 19:11	95-63-6	
1,3,5-Trimethylbenzene	**400**	ug/L	20.0	7.9	20		11/23/10 19:11	108-67-8	
m&p-Xylene	**1850**	ug/L	40.0	17.4	20		11/23/10 19:11	179601-23-1	
o-Xylene	**671**	ug/L	20.0	7.6	20		11/23/10 19:11	95-47-6	
a,a,a-Trifluorotoluene (S)	122	%	80-120		20		11/23/10 19:11	98-08-8	S7

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-6 WELL **Lab ID: 4039857011** Collected: 11/17/10 12:30 Received: 11/19/10 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<7.8**	ug/L	20.0	7.8	20		11/23/10 19:37	71-43-2	
Ethylbenzene	**27.4**	ug/L	20.0	8.3	20		11/23/10 19:37	100-41-4	
Methyl-tert-butyl ether	**55.1**	ug/L	20.0	7.6	20		11/23/10 19:37	1634-04-4	
Naphthalene	**30.1**	ug/L	20.0	8.1	20		11/23/10 19:37	91-20-3	
Toluene	**17.6J**	ug/L	20.0	8.3	20		11/23/10 19:37	108-88-3	
1,2,4-Trimethylbenzene	**14.7J**	ug/L	20.0	8.6	20		11/23/10 19:37	95-63-6	
1,3,5-Trimethylbenzene	**56.5**	ug/L	20.0	7.9	20		11/23/10 19:37	108-67-8	
m&p-Xylene	**33.5J**	ug/L	40.0	17.4	20		11/23/10 19:37	179601-23-1	
o-Xylene	**10.5J**	ug/L	20.0	7.6	20		11/23/10 19:37	95-47-6	
a,a,a-Trifluorotoluene (S)	154	%	80-120		20		11/23/10 19:37	98-08-8	D3,S7

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: B-7 WELL **Lab ID: 4039857012** Collected: 11/17/10 12:15 Received: 11/19/10 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**4.6**	ug/L	1.0	0.39	1		11/23/10 17:04	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/23/10 17:04	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/23/10 17:04	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/23/10 17:04	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		11/23/10 17:04	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/23/10 17:04	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/23/10 17:04	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		11/23/10 17:04	179601-23-1	
o-Xylene	**1.0**	ug/L	1.0	0.38	1		11/23/10 17:04	95-47-6	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/23/10 17:04	98-08-8	

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: MEOH BLANK **Lab ID: 4039857013** Collected: 11/17/10 00:00 Received: 11/19/10 10:40 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/22/10 09:24	11/22/10 15:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/22/10 09:24	11/22/10 15:18	95-47-6	W
a,a,a-Trifluorotoluene (S)	104	%	80-120		1	11/22/10 09:24	11/22/10 15:18	98-08-8	

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ANALYTICAL RESULTS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

Sample: TB **Lab ID: 4039857014** Collected: 11/17/10 00:00 Received: 11/19/10 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		11/23/10 17:29	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		11/23/10 17:29	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		11/23/10 17:29	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		11/23/10 17:29	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		11/23/10 17:29	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		11/23/10 17:29	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		11/23/10 17:29	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		11/23/10 17:29	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		11/23/10 17:29	95-47-6	
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		11/23/10 17:29	98-08-8	

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

QC Batch: GCV/5940 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4039857001, 4039857002, 4039857003, 4039857004, 4039857005, 4039857006, 4039857007, 4039857008, 4039857009, 4039857013

METHOD BLANK: 387715 Matrix: Solid
Associated Lab Samples: 4039857001, 4039857002, 4039857003, 4039857004, 4039857005, 4039857006, 4039857007, 4039857008, 4039857009, 4039857013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	11/22/10 10:12	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	11/22/10 10:12	
Benzene	ug/kg	<25.0	60.0	11/22/10 10:12	
Ethylbenzene	ug/kg	<25.0	60.0	11/22/10 10:12	
m&p-Xylene	ug/kg	<50.0	120	11/22/10 10:12	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	11/22/10 10:12	
Naphthalene	ug/kg	<25.0	60.0	11/22/10 10:12	
o-Xylene	ug/kg	<25.0	60.0	11/22/10 10:12	
Toluene	ug/kg	<25.0	60.0	11/22/10 10:12	
a,a,a-Trifluorotoluene (S)	%	105	80-120	11/22/10 10:12	

LABORATORY CONTROL SAMPLE & LCSD: 387716 387717

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	945	935	94	94	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	936	927	94	93	80-120	1	20	
Benzene	ug/kg	1000	917	904	92	90	80-120	1	20	
Ethylbenzene	ug/kg	1000	936	924	94	92	80-120	1	20	
m&p-Xylene	ug/kg	2000	1880	1860	94	93	80-120	1	20	
Methyl-tert-butyl ether	ug/kg	1000	945	938	95	94	80-120	.8	20	
Naphthalene	ug/kg	1000	1000	1010	100	101	80-120	.2	20	
o-Xylene	ug/kg	1000	935	925	93	92	80-120	1	20	
Toluene	ug/kg	1000	929	917	93	92	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				104	106	80-120			

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

QC Batch: GCV/5945 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4039857010, 4039857011, 4039857012, 4039857014

METHOD BLANK: 387949 Matrix: Water
Associated Lab Samples: 4039857010, 4039857011, 4039857012, 4039857014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	11/23/10 13:40	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	11/23/10 13:40	
Benzene	ug/L	<0.39	1.0	11/23/10 13:40	
Ethylbenzene	ug/L	<0.41	1.0	11/23/10 13:40	
m&p-Xylene	ug/L	<0.87	2.0	11/23/10 13:40	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	11/23/10 13:40	
Naphthalene	ug/L	<0.40	1.0	11/23/10 13:40	
o-Xylene	ug/L	<0.38	1.0	11/23/10 13:40	
Toluene	ug/L	<0.42	1.0	11/23/10 13:40	
a,a,a-Trifluorotoluene (S)	%	103	80-120	11/23/10 13:40	

LABORATORY CONTROL SAMPLE & LCSD: 387950 387951

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.5	21.3	103	106	80-120	3	20	
1,3,5-Trimethylbenzene	ug/L	20	20.8	21.5	104	107	80-120	3	20	
Benzene	ug/L	20	21.6	21.3	108	106	80-120	2	20	
Ethylbenzene	ug/L	20	21.4	21.6	107	108	80-120	.8	20	
m&p-Xylene	ug/L	40	42.4	43.0	106	108	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	21.1	21.0	106	105	80-120	.6	20	
Naphthalene	ug/L	20	18.8	19.5	94	97	80-120	4	20	
o-Xylene	ug/L	20	21.3	21.2	106	106	80-120	.3	20	
Toluene	ug/L	20	21.5	21.4	108	107	80-120	.8	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

QC Batch: PMST/4920 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4039857001, 4039857002, 4039857003, 4039857004, 4039857005, 4039857006, 4039857007, 4039857008

SAMPLE DUPLICATE: 387762

Parameter	Units	4039857001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.2	7.2	.08	10	

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QUALITY CONTROL DATA

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

QC Batch: PMST/4921
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4039857009

SAMPLE DUPLICATE: 387780

Parameter	Units	4039857009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.4	10.6	2	10	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: EE10201 THOMAS SERVICE
Pace Project No.: 4039857

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: GCV/5945

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
W	Non-detect results are reported on a wet weight basis.

UPP...DWE...GION
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CHAIN OF CUSTODY

COC No.

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	COLEMAN ENGINEERING
Branch/Location:	IRON MOUNTAIN
Project Contact:	JOHN HUNT
Phone:	906-774-3440
Project Number:	EE10201
Project Name:	THOMAS SERVICE
Project State:	WI PECFA
Sampled By (Print):	JOHN HUNT
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	JHUNT@COLEMANENGINEERING.COM
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Sl = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + NAP	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	B-1	11-17	8:15	SOIL			X		STRONG ODOR	
	B-2		8:45				X		" "	
	B-3		9:00				X			
	B-4		9:15				X			
	B-5		9:30				X			
	B-6		9:45				X			
	B-7		10:00				X			
	B-8		10:30				X		ODOR	
	B-9		11:00	↓			X			
	B-1 WELL		12:45	GW			X		ODOR	
	B-6 WELL		12:30				X		ODOR	
	B-7 WELL		12:15	↓			X			
	MEOH BLANK	↓		/			NA			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	14:00 11-18-10		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.

Receipt Temp = °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

APPENDIX F

LIMITATIONS

LIMITATIONS
FOR
PHASE I & II ENVIRONMENTAL SITE ASSESSMENT REPORTS

1. In preparation of this report, Coleman Engineering Company (CEC) has relied on certain information provided by the parties referenced herein. Although there may have been some degree of overlap in the information provided by these various sources, we did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site review.

2. Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of available site history and site usage information. The findings are relevant to the dates of our site visit and should not be relied upon to represent conditions or information available at other dates. The findings and conclusions must be considered probabilities based on professional judgment concerning the significance of the limited data gathered during the course of the site review. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are of the same quality as may be inferred from observable site conditions and readily available site history and limited exploration program carried out as part of this review. Should additional information on environmental conditions at the site which is not contained in this report be obtained, such information should be brought to CEC's attention. We will evaluate such information and, on the basis of our evaluation, may modify the conclusions stated in the report.

3. Observations were made of the site and of structures on the site as indicated within the report. Where access to portions of the site or to structures on the site was unavailable or limited, CEC renders no opinion as to the presence of hazardous material or to the presence of indirect evidence relating to hazardous material in that portion of the site or structure. In addition, CEC renders no opinion as to the presence of hazardous material or to the presence of indirect evidence relating to hazardous material where direct observation of interior walls, floor, or ceiling of a structure on the site was obstructed by objects or coverings on or over these surfaces.

4. CEC did not perform testing or analyses to determine the presence or concentration of asbestos, lead-based paints, or radon or other naturally occurring materials, nor did it include an evaluation of latent conditions at the site or in the environment at the site.

5. No specific attempt was made to check the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

6. The conclusions and recommendations contained in this report are based in part upon the data obtained from a limited number of soil and groundwater samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If various or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.

7. Water level observations have been made in the borings and/or monitoring wells at the times and under the conditions stated on the boring logs. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

8. Where quantitative laboratory testing has been conducted by an outside laboratory, CEC has relied upon data provided, and has not conducted an independent evaluation of the reliability of these data.

9. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are continent upon their validity. These data have been reviewed and interpretations made in this report. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by CEC and the conclusions and recommendations presented herein modified accordingly.

10. Chemical analyses have been performed for specific parameters during the course of this site review, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the site.

11. This report has been prepared for, and is intended for the exclusive use of Iron County, Wisconsin. The contents of this report should not be relied upon by any other party without the express written consent of CEC. However, CEC acknowledges that the report may be conveyed to the owner and lending institution associated with the prospective sale and/or lease of the site.