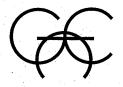
Phase IV Environmental
Site AssessmentPetroleum Impacted Soil Removal
and Disposal Monitoring Services

Thomas Service Station Property STH 77, STA. 329+10 to 330+70 Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70

Prepared for:
Wisconsin Dept. of Transportation
Bureau of Environment
Madison, Wisconsin

August 29, 1997

Giles Project No. 1E-9703039



GILES
ENGINEERING ASSOCIATES, INC.

TABLE OF CONTENTS

PHASE IV ENVIRONMENTAL SITE ASSESSMENT PETROLEUM-IMPACTED SOIL REMOVAL AND DISPOSAL MONITORING SERVICES

THOMAS SERVICE STATION PROPERTY STH 77, STA. 329+10 TO 330+70 CITY OF MONTREAL, IRON COUNTY, WISCONSIN WISDOT PROJECT NO. 9250-09-70 GILES PROJECT NO. 1E-9703039

Section No.	Description	Page
	COVER LETTER	I
1.0	EXECUTIVE SUMMARY	1
	1.1 Findings and Conclusions	
	1.2 Recommendations	1
2.0	SITE INVESTIGATION	
	2.1 Site Background	
	2.2 Purpose and Scope of Work	
	2,3 Regulatory Agency Record Review Update	
	2.4 Site History	
	2.5 Site Visit/Field Procedures	
	2.6 Site Maps	
	2.7 Geology	
	2.7.1 Subsurface Conditions	
	2.7.2 Area Geology and Hydrogeology	7
	2.8 Soil Collection and Analytical Procedures	
	2.9 Results of Soil Analyses	
	2.9.1 Volatile Vapor Scan Results	
	2.9.2 Results of Soil Chemical Analyses	
3.0	SUMMARY	
4.0	RECOMMENDATIONS	
5.0	SUBMITTAL CERTIFICATION	10

TABLE OF CONTENTS (Continued) Project No. 1E-9703039

6.0	APP	ENDICES	
	6.1	Appendix 1	Map 3 Former Site Feature Plan (from the <i>Phase II</i> ½ ESA report prepared by Enviroscience, dated September 22, 1995)
			Map 4 Groundwater Elevations and Flow Direction (from the <i>Phase II½ ESA</i> report prepared by Enviroscience dated September 22, 1995)
		•	Map 5 Test Boring/Monitoring Well and Cross Section Locations, and Lateral Extent of Soil Contamination (from the <i>Phase II</i> ½ <i>ESA</i> report prepared by Enviroscience, dated September 22, 1995)
		·	Map 6 A-A' Cross Section with Analytical Results and Vertical Extent of Soil Contamination (from the <i>Phase II</i> ½ <i>ESA</i> report prepared by Enviroscience, dated September 22, 1995)
			Map 7 B-B' Cross Section with Analytical Results and Vertical Extent of Soil Contamination (from the <i>Phase II½ ESA</i> report prepared by Enviroscience, dated September 22, 1995)
	6.2	Appendix 2	Phase IV Scope of Services (1)
	6.3	Appendix 3	Site Photographs (4)
	6.4	Appendix 4	PID Meter Calibration Documentation (2)
	6.5	Appendix 5	Standard Procedures (1)
	6.6	Appendix 6	Chain-of-Custody (1) and Laboratory Reports (8)
	6.7	Appendix 7	Standard Soil Chemical Analysis Procedures (1)
	6.8	Appendix 8	General Comments (1)
Maps Maps	C	1! 1 C!1. T	
Map 1			eation
Map 2	Exter	it of Soil Excav	ation and Sample Locations with Analytical Results 6b
<u>Tables</u>			
Table 1		Soil Sampling Samples	Field Log - Results of VOC Vapor Scan of 8a
Table 2		_	Analyses-Soil Samples

© Giles Engineering Associates, Inc. 1997



GILES

ENGINEERING OSSOCIATES, INC. GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Dallas TX

· Los Angeles, CA

• Madison, WI

· Milwaukee, WI

Seattle, WAWashington, D.C.

August 29, 1997

WISDOT

Division of Transportation Infrastructure Development (DTID) Bureau of Environment, Room 451 4802 Sheboygan Avenue P.O. Box 7965 Madison, WI 53707-7965

Attention:

Mr. Bob Pearson

Subject:

Phase IV Environmental Site Assessment

Thomas Service Station Property STH 77, STA. 329+10 to 330+70

City of Montreal, Iron County, Wisconsin

WISDOT Project No. 9250-09-70 Giles Project No. 1E-9703039

Dear Mr. Pearson:

In accordance with your request and the subsequent Giles Engineering Associates, Inc. (Giles) Work Order, a Phase IV, Environmental Site Assessment (ESA) - Petroleum Impacted Soil Removal and Disposal Monitoring Services has been performed for the above referenced property (herein referenced as the subject property). An overview of the Phase IV ESA performed, and the corresponding conclusions and recommendations are provided within the Executive Summary provided as Section 1.0.

We appreciate the opportunity to be of service on this project. If there are any questions regarding the information contained herein, or if we can be of any additional service, please feel free to contact the undersigned at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Charley C. Wang, E.I.T. Staff Engineer /

Duil W

Paul J. Giese, P.E.

Environmental Division Manager

Distribution:

WISDOT

Attn: Mr. Bob Pearson (2)

WISDOT-District 7

Attn: Mr. Marvin Laspa (3)

WDNR

Attn: Mr. Scott Watson (1)

1e970339.ltr/djr

PHASE IV ENVIRONMENTAL SITE ASSESSMENT PETROLEUM IMPACTED SOIL REMOVAL AND DISPOSAL MONITORING SERVICES

THOMAS SERVICE STATION PROPERTY
STH 77, STA. 329+10 TO 330+70
CITY OF MONTREAL, IRON COUNTY, WISCONSIN
WISDOT PROJECT NO. 9250-09-70
GILES PROJECT NO. 1E-9703039

1.0 EXECUTIVE SUMMARY

1.1 <u>Findings and Conclusions</u>

- Approximately 168 cubic yards (252 tons) of soils were removed from the existing STH 77 right-of-way adjacent to the former Thomas service station property in association with the STH 77 roadway construction activities. The potentially petroleum-impacted soils were removed between approximately WISDOT Station Nos. 329+10 and 330+70 on July 8-9, 1997 by Lakeland Enterprise, Inc. The excavated soils were transported to another section of the same road reconstruction for use as backfill material.
- Results of chemical analyses performed on soil samples collected from the resulting roadway excavation during the soil excavation activities between approximately WISDOT Station Nos. 329+10 and 330+70 indicate that the DRO concentration (260 milligrams per kilogram (mg/kg)) in Soil Sample No. S-2 at a depth of approximately 5.0 feet exceeds the WDNR current cleanup level guidelines. However, concentrations of GRO and PVOC in Soil Sample No. S-2 and concentrations of DRO, GRO, and PVOC in the other submitted soil samples are either below the WDNR guidelines, below detection limits, or there are no WDNR standards for comparison.

1.2 Recommendations

Due to DRO concentrations detected in Soil Sample No. S-2 which exceeds the current WDNR soil cleanup guidelines and based upon results from the previous *Phase II* and *Phase III* Environmental Site Assessments which indicate that the soils in the area of the subject property are contaminated with DRO above current WDNR soil cleanup guidelines, it is recommended that a copy of this report be provided to the responsible party and the progress of the remediation activities associated with the adjacent former Thomas Service Station property be monitored to determine the impact on WISDOT STH 77 right-of-way.

- 2) It is recommended that if future construction activities are initiated in the area where petroleum-impacted soils remain, that a contingency plan be developed to properly handle and treat petroleum-impacted soils that may be encountered during construction activities.
- A copy of this report is being provided to the WDNR Northwest District LUST Coordinator.

2.0 SITE INVESTIGATION

2.1 Site Background

Enviroscience completed a *Phase II ESA* (Project No. 94-059.11, dated July 12, 1994) within the existing State Trunk Highway (STH) 77 right-of-way immediately adjacent to the former Thomas service station property. Two test borings were performed for the Phase II ESA. One and two soil samples were collected from Test Boring No. SB-5 and SB-6, respectively, and submitted for DRO and GRO analysis. The analytical results showed that the soil sample collected from Test Boring No. SB-5 had a DRO concentration which exceeded the Wisconsin Department of Natural Resources (WDNR) cleanup guidelines in effect at that time. The DRO concentrations in the two soil samples collected from Test Boring No. SB-6 and the GRO concentrations from all three soil samples were below the WDNR guidelines in effect at that time or were below instrument detection limits. In addition, one groundwater sample collected from a temporary groundwater monitoring well (installed at SB-6) had no measurable concentration of petroleum volatile organic compounds (PVOC). Due to the results of the *Phase II ESA* and considering the former underground storage tank (UST) system and pump islands in the area of the two performed test borings, Enviroscience recommended additional investigation of soil contamination in the anticipated construction zone (surface to five feet) within the existing STH 77 right-of-way to further define the extent of contaminated soils and groundwater within the existing STH 77 right-of-way.

At the request of the WISDOT, Enviroscience completed the recommended *Phase II½ ESA* (dated September 22, 1995) within the existing STH 77 right-of-way, adjacent to the former Thomas service station property. Five test borings were performed within the existing STH 77 right-of-way during the *Phase II½ ESA*. Ten soil samples (two from each test boring) were obtained for laboratory analysis. Each test boring had one soil sample for DRO analysis only and one for DRO and PVOCs. The two soil samples collected from SB-1A at depths of 2.5 to 4.5 feet and 5.0 to 7.0 feet were impacted with DRO contaminants at concentrations that exceeded the WDNR guidelines in effect at that time. One soil sample from SB-3A indicated a DRO concentration which also

exceeded the WDNR guideline in affect at that time. No other analyzed parameters were detected. Groundwater was encountered at 4.5 to 10 feet below grade in the five test borings. Three test borings were converted to groundwater monitoring wells. Two rounds of groundwater sampling were performed at these three monitoring wells. The first round of groundwater samples were analyzed for DRO, VOCs and polynuclear aromatic hydrocarbons (PAHs). The second round of groundwater samples were submitted for DRO and PVOC analysis. Concentrations of the analyzed parameters were not measured in the two rounds of groundwater samples.

Based upon the results of the *Phase II and II½ ESAs*, Enviroscience recommended that "if excavation occurs within STA. 329+10 to 330+70 from the WISDOT right-of-way northwest approximately 25 feet toward the centerline and to a depth of 2.5 to 7.0 feet, Wisconsin Department of Natural Resources (WDNR) guidelines pertaining to the proper removal and treatment or disposal of contaminated soil will need to be followed." Enviroscience also recommended that a general permit under the Wisconsin Pollutant Discharge Elimination System (WPDES) for the discharge of water in connection with dewatering operations be applied with the WDNR Northwest District office. In addition, Enviroscience concluded that groundwater was not impacted in the vicinity of the WISDOT right-of-way adjacent to the former Thomas service station property, and therefore recommended no action in respect to groundwater within the WISDOT right-of-way. Enviroscience concluded that there is a potential for encountering approximately 237 cubic yards (356 tons) of petroleum-impacted soil during roadway construction activities in the areas of Test Boring No. SB-3A and between Test Boring Nos. SB-5 and SB-1A (approximately between WISDOT Station Nos. 329+10 and 330+70) within the planned 6 foot excavation depth for the storm sewer.

On September 6, 1996, Enviroscience prepared a *Phase IV Site Remediation Report* for the subject property. That report summarized the information available and gave recommendations regarding the soil contamination at the subject property. The information summarized in the report indicated that petroleum impacted soils were encountered from a depth of greater than 3 feet to 7 feet from Station 329+10 to 330+70 during environmental assessments. This will place the storm sewer excavation in a zone where impacted soils exist. It was estimated that approximately 237 cubic yards of impacted soil might need to be removed as part of the STH 77 reconstruction. Additionally, as part of the storm sewer installation, dewatering activities may be required, due to the presence of a shallow groundwater table. The groundwater sampling results indicated no impacts to groundwater in the vicinity of the subject property. Enviroscience recommended that petroleum contaminated soils removed as part of storm sewer trenching activities be transported and stockpiled until asphalt operations began. At that time, the impacted soils stockpiled would be transported to the asphalt plant for asphalt incorporation or transported to an approved asphalt plant for asphalt incorporation

or treatment. Additionally, Enviroscience recommended that the water generated as part of the dewatering operations be discharged to the City of Montreal Wastewater Treatment Plant.

Enviroscience prepared the following maps and figures in association with the previous *Phase II* and *Phase II*½ *ESAs*, which are included in Section 6.1 (Appendix 1):

- Map 3-Former Site Feature Plan (dated September 22, 1995);
- Map 4-Groundwater Elevations and Flow Direction (dated September 22, 1995)
- Map 5-Test Boring/Monitoring Well and Cross Section Locations, and Lateral Extent of Soil Contamination (dated September 22, 1995);
- Map 6-A-A' Cross Section with Analytical Results and Vertical Extent of Soil Contamination (dated September 22, 1995); and
- Map 7-B-B' Cross Section with Analytical Results and Vertical Extent of Soil Contamination (dated September, 1995).

2.2 Purpose and Scope of Work

The *Phase IV Environmental Site Assessment* conducted by our firm consisted of monitoring the removal and disposal of petroleum-impacted soils from the existing STH 77 right-of-way (ROW) between approximately WISDOT Station Nos. 329+10 to 330+70 adjacent to the former Thomas service station, documenting the extent of removal, collecting soil samples from excavated soils and the soils remaining in-place, and performing chemical analysis on select soil samples.

A summary of the complete scope of services included for completion of this *Phase IV ESA* is included in Section 6.2 (Appendix 2).

2.3 Regulatory Agency Record Review

A comprehensive discussion of the regulatory agency record review previously conducted for the subject property is included in the previously submitted *Phase II and II½ ESA* reports and the *Phase IV Site Remediation Report*, prepared by Enviroscience and dated July 12, 1994; September 22, 1995; and September 6, 1996, respectively.

2.4 <u>Site History</u>

The history of the former Thomas service station property was discussed in detail in the previously submitted *Phase II Environmental Site Assessment* report (dated July 12, 1994).

Additional information regarding the history of the former Thomas service station property was also included in the previously completed *Phase II½ Environmental Site Assessment* report (dated September 22, 1995) and the *Phase IV Site Remediation Report* (dated September 6, 1996).

2.5 <u>Site Visit/Field Procedures</u>

The former Thomas service station property is located approximately one-fifth of one mile north of the Montreal City Hall on STH 77, in the City of Montreal, Iron County, Wisconsin. The subject property is situated in the northwest one-quarter of the southwest one-quarter of U.S. Public Land Survey Section 27, Township 47 North, Range 2 East. The location of the former Thomas service station property is indicated on Map 1 enclosed in Section 2.6. The features of the former Thomas service station property, as well as the adjacent property usages, are described in the previously completed *Phase II½ Environmental Site* Assessment report (dated September 22, 1995).

Lakeland Enterprise, Inc. provided on-site soil excavation and removal services on July 8-9, 1997. Approximately 168 cubic yards (252 tons) of soils were removed from the STH 77 roadway construction zone (storm sewer installation) between WISDOT Station 329+10 to 330+100 (adjacent to the former Thomas service station property) and transported to another section of the same road reconstruction for use as backfill material. We provided soil excavation and removal monitoring services. The storm sewer installation consisted of removal of soils to a depth of approximately 6 feet, the placement of concrete sewer pipes, and backfill with gravel. The soil excavation monitoring services were performed to monitor the removal of excavated soils located within the STH 77 right-of-way during storm sewer installation activities, collect soil samples from the excavated soils prior to removal, collect soil samples from the resulting excavation walls/bottom to document the conditions of the remaining soils, subject the collected soil samples to a head space volatile organic vapor scan, and submit selected soil samples for chemical analysis for GRO, DRO, and petroleum volatile organic compounds (PVOCs) to *Giles* Environmental Laboratory (Waukesha, Wisconsin). The scope of services were performed in accordance with Wisconsin Department of Natural Resources (WDNR) guidelines.

Visual and relative odor observations as well as a head space vapor scan were utilized to evaluate the soils requiring removal from the existing STH 77 ROW during the storm sewer installation activities. A soil sample was collected from approximately every 15 cubic yards (approximately one tri-axle dump truck) of petroleum-impacted soil excavated for VOC vapor scanning as required by the WDNR. The petroleum-impacted soil removal activities from the existing STH 77 ROW were terminated at the planned storm sewer installation grade of approximately 6 feet below the ground surface.

A diagram illustrating the location and extent of soil removal activities associated with the STH 77 storm sewer installation is shown on Map 2 enclosed in Section 2.6. Photographs taken during the soil removal activities are enclosed in Section 6.3 (Appendix 3).

Approximately 168 cubic yards (252 tons) of soils were excavated and removed from the existing STH 77 ROW between approximately Stations Nos. 329+10 and 330+100. The original estimate of petroleum-impacted soils to be removed during this project was approximately 237 cubic yards (356 tons). The excavated soils were transported by Lakeland Enterprises, Inc. to a disposal location selected by Lakeland Enterprise, Inc. and used as roadway fill materials within the STH 77 roadway reconstruction limits. Because the field PID screening did not detect any VOCs in the collected soil samples, no stockpiling and treatment was performed for the excavated soils. Consequently, there was no need to file the WDNR Application to Treat or Dispose of Petroleum Contaminated Soils (Form No. 4400-121).

During the storm sewer installation activities associated with the STH 77 roadway reconstruction, a total of fifteen soil samples were collected, including six samples of the soils removed from the storm sewer excavation which were collected from the bucket of the excavation equipment and nine from the sidewall or bottom of the resulting excavations. The depth of storm sewer was approximately 6 feet below grade. The width and length of the storm sewer excavation associated with this study were approximately 10 and 200 feet, respectively. The locations of the soil samples collected from the STH 77 roadway reconstruction excavation are indicated on the previously referenced Map 2 included in Section 2.6.

2.6 Site Maps

The generalized location of the former Thomas service station property is shown on the following Map 1. The soil sample locations from within the existing STH 77 ROW are illustrated on Map 2. Map 3-Former Site Feature Plan; Map 4-Groundwater Elevations and Flow Direction; Map 5-Test Boring/Monitoring Well and Cross Section Locations, and Lateral Extent of Soil Contamination; Map 6-A-A' Cross Section with Analytical Results and Vertical Extent of Soil Contamination; and Map 7-B-B' Cross Section with Analytical Results and Vertical Extent of Soil Contamination from the previous Phase II and Phase II½ ESAs performed by Enviroscience associated with this project, are included in the previously referenced Section 6.1 (Appendix 1).

TABLE 2

RESULTS OF CHEMICAL ANALYSES-SOIL SAMPLES

Thomas Service Station Property STH 77, STA. 329+10 to 330+70 City of Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70 Giles Project No. 1E-9703039

Date Collected: July 8-9, 1997

	Sample	PID	DRO ²	GRO ²	Detected Petroleum Volatile Organic Compounds ³					
Number Depth (Feet)		Reading HNU Units		en Beller Risser Bressett	Benzene	Ethylbenzene	1,2,4-Trimethyl- benzene	1,3,5-Trimethyl- benzene	Toluene:	Total Xylenes
S-1	- 5	BDL	20	0.39	<16	<18	<23	<16	<15	<51
S-2	5	BDL	260	15	<16	<18	56	31	53	<51
S-6	5	BDL	<2.1	1.1	<16	<18	<23	<16	<15	<51
S-8	5	BDL	<2.1	0.72	<16	<18	<23	<16	<15	<51
S-10	6	BDL	<2.1	<0.34	<16	<18	<23	<16	<15	<51
WDNR Current Cleanup Guideline ⁴	N/A	N/A	100	100	5.5	2,900			1,500	4,100

NOTES:

GRO: Gasoline range organics

DRO: Diesel range organics

PID: Photoionization detector

BDL: Below detection limit

--: No published soil standard.

Results indicated in **bold** exceed current WDNR 720 soil cleanup guideline.

1e970339.tb2/djr

¹Soil sample locations shown on Map 2.

²Chemical analyses results expressed in milligrams per kilogram (mg/kg), equivalent to parts per million (ppm).

³Chemical analyses results expressed in micrograms per kilogram (μg/kg), equivalent to parts per billion (ppb).

⁴Wisconsin Administrative Code NR 720 Standard for soils with a hydraulic conductivity of 1x10-6 cm/s or greater.

4.0 RECOMMENDATIONS

- 1) Due to DRO concentration detected in Soil Sample No. S-2 which exceeds the current WDNR soil cleanup guidelines and based upon results from the previous Phase II and Phase II1/2 Environmental Site Assessments which indicate that the soils in the area of the subject property are contaminated with DRO above current WDNR soil clean up guidelines, it is recommended that a copy of this report be provided to the responsible party to assist in their evaluation and remediation efforts and that the progress of the remediation activities associated with the adjacent former Thomas Service Station property be monitored to evaluate the impact on the WISDOT STH 77 ROW.
- 2) It is recommended that if future construction activities are initiated in the area where petroleum-impacted soils remain, that a contingency plan be developed to properly handle and treat petroleum-impacted soils that may be encountered during construction activities.
- 3) A copy of this report is being provided to the WDNR Northwest District LUST Coordinator.

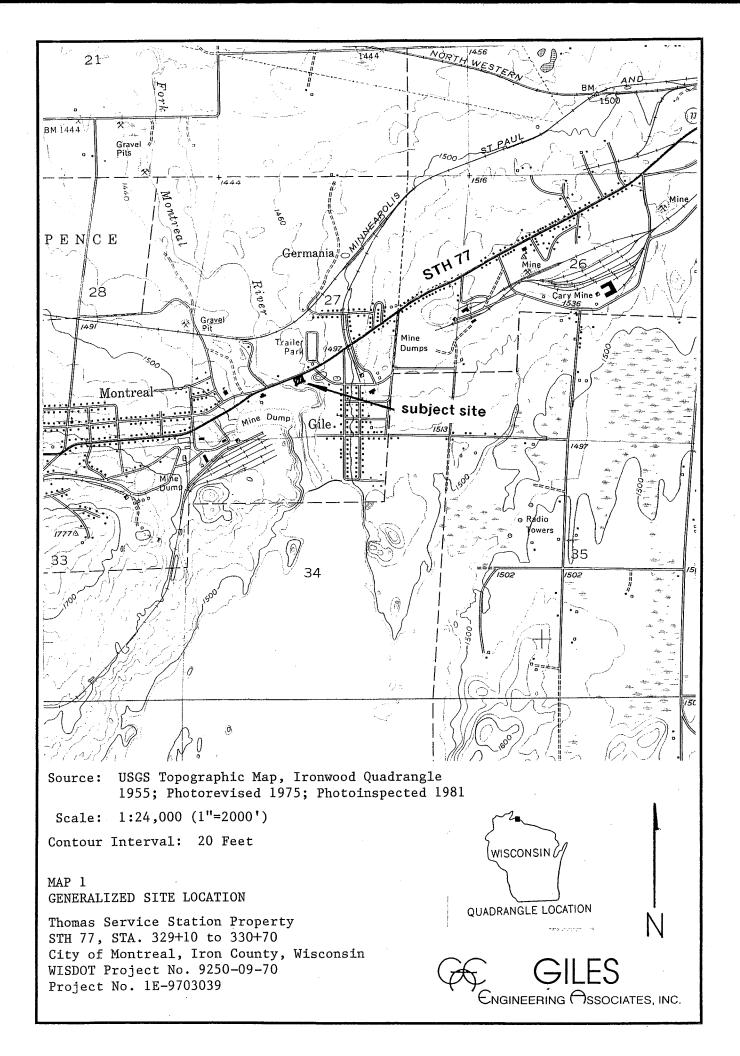
5.0 SUBMITTAL CERTIFICATION

I, Paul J. Giese, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document Wis. Adm. Code; and that, to the best of my knowledge, an information contains is correct and the document was prepared in compliance with all applicable radius 700 to 726, Wis. Adm. Code.

Yauff Lill Environmental Owisin Manager Signature, Title, and P.E. Number

27163 Milwaukee, Wis SECTION 6.0

APPENDICES



2.7 Geology

2.7.1 Subsurface Conditions

The soil conditions encountered during the STH 77 storm sewer installation activities generally consisted of fine to coarse sand and gravel with various amounts of silt and clay. Groundwater was encountered between Station 330+55 to 330+100 during the soil overexcavation activities.

2.7.2 Area Geology and Hydrogeology

As documented in the previous *Phase II* (Project No. 94-059.11, dated July 12, 1994) and *Phase II½ Environmental Site Assessments* (dated September 22, 1995) prepared by Enviroscience, Inc., 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. The groundwater table in the subject property area is approximately 4.5 to 10 feet below grade and the groundwater flows west towards the Montreal River.

2.8 Soil Collection and Analytical Procedures

Soil samples were collected during excavation activities from the STH 77 roadway excavation using a properly cleaned hand trowel. The contents of the hand trowel were transferred to laboratory approved sampling containers.

Soil samples collected for volatile organic compound (VOC) vapor scanning with a photoionization detector (PID) were collected in 8 ounce sample jars. The sample jars were filled approximately ½ full, covered with aluminum foil and a lid, agitated and allowed to warm to about room temperature prior to the vapor scans. The VOC vapor readings were taken by piercing the foil layer with the PID probe. The PID meter was properly calibrated before, during and after soil sampling procedures. Documentation of PID calibration is included in Section 6.4 (Appendix 5).

Five select soil samples from the fifteen soil samples collected from the existing STH 77 ROW between approximately WISDOT Station Nos. 329+10 to 330+100 were submitted to *Giles* Environmental Laboratory, a WDNR accredited analytical laboratory, for chemical analysis for the

presence and concentrations of GRO, DRO, and PVOCs. The number of collected soil samples was determined on the basis of the field vapor scan and to allow for a general evaluation of the soils removed from the storm sewer excavation and that remained in place at the limits of the excavation.

Because field PID scanning did not measure any volatile organic compounds, no excavated soils were stockpiled or treated. And, therefore, no soil samples were collected for waste characterization purposes relative to asphalt incorporation.

Specifics of the soil sampling and VOC vapor scanning standard procedures utilized for completion of this study are included in Section 6.5 (Appendix 5). The sample collection, storage and transportation was performed in general accordance with ASTM and other applicable specifications, and at all times followed standard "Chain-of-Custody" requirements. The Chain-of-Custody forms for the soil analyses performed are included in Section 6.6 (Appendix 6). The standard soil chemical analyses procedures for this specific project are included in Section 6.7 (Appendix 7).

2.9 Results of Soil Analyses

2.9.1 Volatile Vapor Scan Results

The results of the photoionization detector (PID) volatile organic compound (VOC) vapor scan performed on the fifteen soil samples collected from the bucket of excavation equipment and the STH 77 roadway excavation limits indicated no detectable VOC vapor concentrations in the soil samples collected.

A summary of the soil sampling location depths, time of collection, sample classification and the results of the VOC vapor scan for the soil samples is included on the following Table 1.

Because the field PID screening showed no VOC vapor in the soil samples collected from the bucket of excavation equipment and excavation limits, and visual and relative odor observation indicated no petroleum contamination, excavated soils were not stockpiled for treatment or asphalt incorporation.

TABLE 1

GILES SOIL SAMPLING FIELD LOG

RESULTS OF VOLATILE ORGANIC COMPOUND (VOC) VAPOR SCAN OF SOIL SAMPLES

PROJECT NO. 1E-9703039

INSPECTOR: Charley C. Wang

DATE: July 8-9, 1997

PROJECT NAME AND LOCATION:

Thomas Service Station Property

STH 77, STA. 329+10 to 330+70

City of Montreal, Iron County, Wisconsin

WISDOT Project No. 9250-09-70

SMPL; DESC.	REF NO.	Sampling Location	Depth (feet)	Time	Sample Classification	inteld Inteld
Soil	S-1	Storm sewer excavated soils- bucket	5	4:35 p.m.	fine to coarse Sand with Gravel - Moist	BDL ²
Soil	S-2-	Storm sewer excavated soils- bucket	5	5:05 p.m.	fine to coarse Sand with Gravel - Moist	BDL ²
Soil	S-3	storm sewer excavation - bottom	6	5:30 p.m.	fine to coarse Sand with Gravel - Moist	BDL
Soil	S-4	storm sewer excavation - bottom	6	6:10 p.m.	fine to coarse Sand with Gravel - Moist	BDL
Soil	S-5	storm sewer excavation - bottom	6	6:40 p.m.	fine to coarse Sand with Gravel - Moist	BDL
Soil	S-6	Storm sewer excavated soils- bucket	5	7:20 a.m.	fine to coarse Sand with Gravel - Moist	BDL ²
Soil	S-7	Storm sewer excavated soils- bucket	5	7:40 a.m.	fine to coarse Sand with Gravel - Moist	BDL
Soil	S-8	Storm sewer excavated soils- bucket	5	7:50 a.m.	Sand with Organic Matter - Wet	BDL ²
Soil	S-9	Storm sewer excavated soils- bucket	5	7:58 a.m.	fine to coarse Sand with Gravel - Moist	BDL
Soil	S-10	storm sewer excavation - south side wall	6	8:15 a.m.	fine to coarse Sand - Moist	BDL ²
Soil	S-11	storm sewer excavation - north side wall	6	8:25 a.m.	Silty Sand - Moist	BDL

TABLE 1 (Continued)

GILES SOIL SAMPLING FIELD LOG

SIMBLE IDISSE		Samphig Location	And the second second		Seinnte Classification	22.
Soil	S-12	storm sewer excavation - south side wall	6	8:40 a.m.	Silty Sand	BDL
Soil	S-13	storm sewer excavation - south side wall	6	8:50 a.m.	Silty Sand	BDL
Soil	S-14	storm sewer excavation - north side wall	5	9:40 a.m.	fine to coarse Sand - Moist	BDL
Soil	S-15	storm sewer excavation - north side wall	5	10:20 a.m.	fine to coarse Sand - Moist	BDL

¹Results of volatile vapor scan conducted on collected soil samples utilizing a HNU photoionization detector (PID) equipped with an 11.7 eV lamp and calibrated to a benzene standard. Results expressed in HNU-units. BDL - Below Detection Level.

²Sample submitted to *Giles* Analytical Laboratory for GRO, DRO, and PVOC analyses.

1e970339.tb1

2.9.2 Results of Soil Chemical Analyses

Five select soil samples were submitted for DRO, GRO and PVOC analysis. The results of the chemical analyses indicate that a DRO concentration of 260 mg/kg, GRO concentration of 15 mg/kg, toluene concentration of 53 μg/kg, 1,2,4-trimethylbenzene concentration of 56 μg/kg and 1,3,5-trimethylbenzene concentration of 31 μg/kg were measured in soil Sample No. S-2 collected from the bucket at a depth of 5 feet below grade. Soil sample No. S-2 was taken from storm sewer excavated soils that were used as backfill materials on another section of the same road reconstruction. The DRO concentration in Sample S-2 exceeds the WDNR soil cleanup guidelines (100 mg/kg for soils with a hydraulic conductivity of 1x10-6 cm/s or greater). However, the DRO, GRO and PVOC concentrations measured in the remaining submitted soil samples are either below the relevant WDNR guidelines, are below the limit of detection, or there are no guidelines available for comparison. The results of the soil analyses performed in the soil samples are summarized on the following Table 2 and on the previously referenced Map 2. The results of the soil chemical analysis, as provided by *Giles* Environmental Laboratory are included in the previously referenced Section 6.6 (Appendix 6).

3.0 SUMMARY

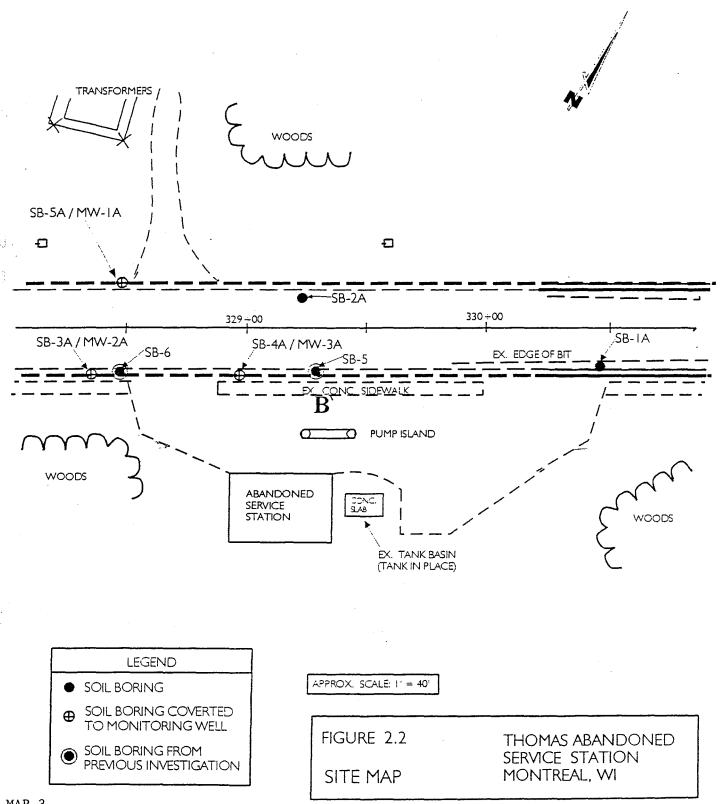
co

- Approximately 168 cubic yards (252 tons) of soils were removed from the existing STH 77 right-of-way adjacent to the former Thomas service station in association with the storm sewer installation activities. The petroleum-impacted soils were removed between approximately WISDOT Station Nos. 329+10 and 330+100 on July 8-9, 1997 by Lakeland Enterprise, Inc. The excavated soils were transported to another section of the same road reconstruction for use as roadway backfill material.
- Results of chemical analyses performed on soil samples collected from the resulting roadway excavation during storm sewer installation activities between approximately WISDOT Station Nos. 329+10 and 330+100 indicate that DRO concentration in Soil Sample No. S-2 at a depth of approximately 5 feet exceeds the WDNR current cleanup level guidelines. Soil sample No. S-2 was taken from storm sewers excavated soils that were used as backfill materials on another section of the same road reconstruction. Concentrations of GRO and PVOC for soil sample No. S-2 and concentrations of DRO, GRO and PVOC for all other soil samples are either below the WDNR soil cleanup guidelines, were below the limit of detection, or there are no WDNR guidelines for comparison.

SECTION 6.1

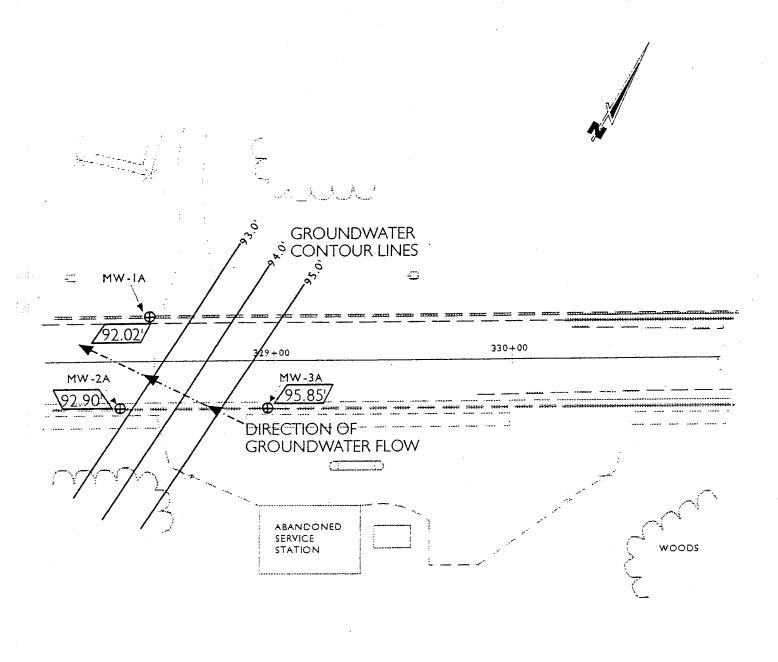
APPENDIX 1

MAPS FROM PREVIOUS ESAs PERFORMED BY ENVIROSCIENCE, INC.



MAP 3 FORMER SITE FEATURE PLAN

(from Phase II $\frac{1}{2}$ ESA report prepared by Enviroscience, dated September 22, 1995)



LEGEND

 \oplus

MONITORING WELL

\<u>92.90^</u>

GROUNDWATER ELEVATION IN WELL (6-26-95)

APPROX. SCALE: I" = 40'

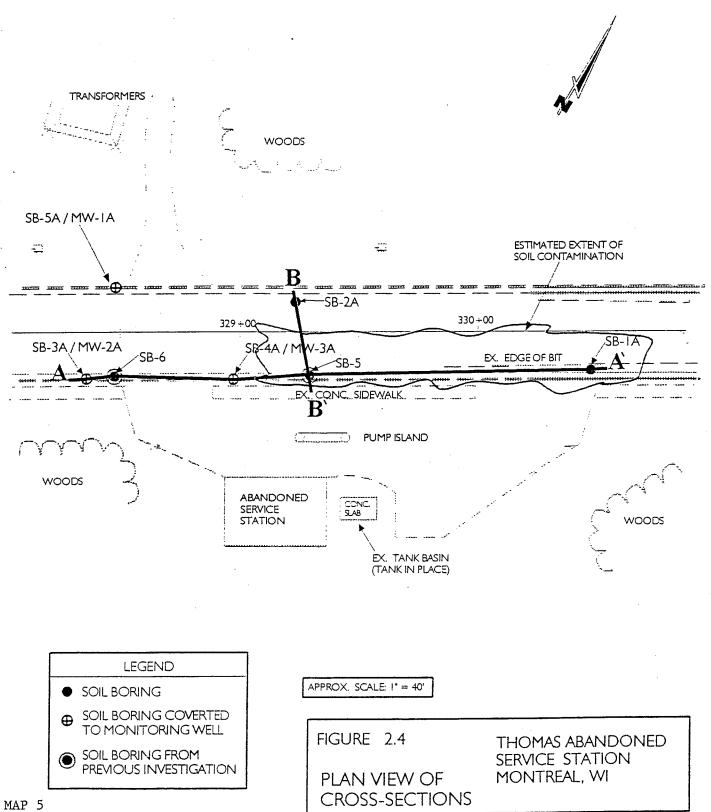
FIGURE 2.3

GROUNDWATER FLOW MAP

THOMAS ABANDONED SERVICE STATION MONTREAL, WI

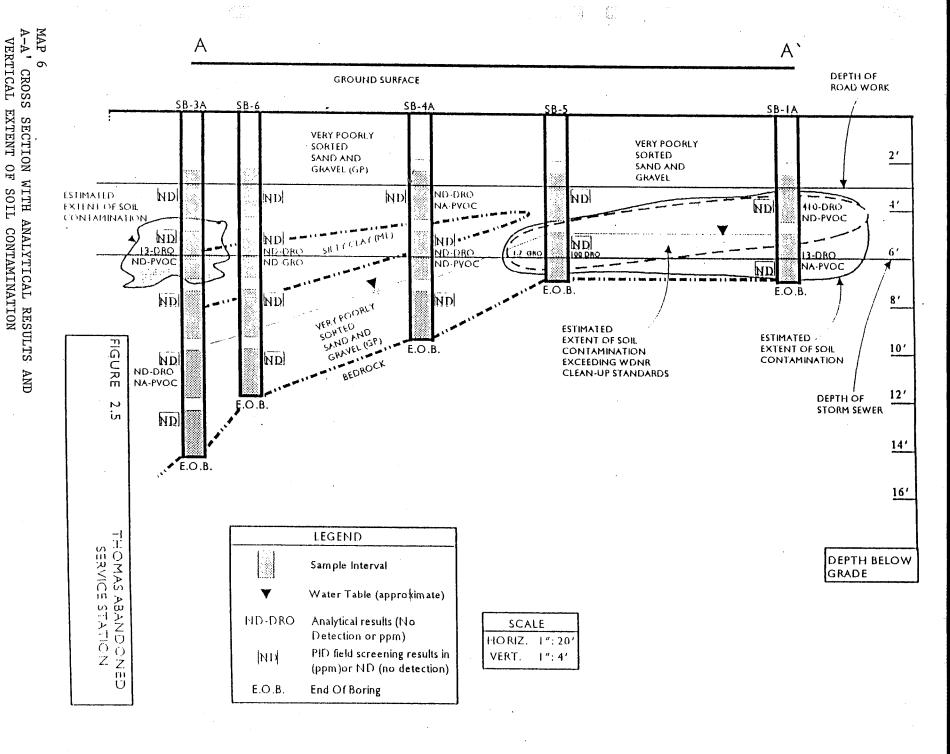
MAP 4
GROUNDWATER ELEVATIONS AND
FLOW DIRECTION

(from Phase II $\frac{1}{2}$ ESA report prepared by Enviroscience, dated September 22, 1995)



TEST BORING/MONITORING WELL AND CROSS SECTION LOCATIONS, AND LATERAL EXTENT OF SOIL CONTAMINATION

(from Phase II $\frac{1}{2}$ ESA report prepared by Enviroscience, dated September 22, 1995)



SECTION 6.2

APPENDIX 2

PHASE IV SCOPE OF SERVICES

The scope of services for the Phase IV Environmental Assessment included the following:

- 1) Monitoring the removal of the potentially petroleum-impacted soil from the roadway by the excavation contractor (Lakeland Enterprise, Inc.);
- 2) Collecting representative samples of the excavated petroleum-impacted soils (one for every 15± cubic yards as required by the WDNR) for photoionization detector (PID) volatile organic compound (VOC) vapor scanning prior to transport to a disposal location;
- Collecting soil samples from bucket of excavation equipment from the bottom and sidewalls of the resulting roadway excavation during the storm sewer installation activities to document the conditions of excavated and remaining soils at the limits of excavation;
- Subjecting the collected soil samples to a head space volatile organic vapor scan utilizing a PID and submitting select soil samples for chemical analyses to *Giles* Environmental Laboratory for GRO, DRO, and petroleum volatile organic compounds (PVOCs); and
- Summarizing the activities performed in a written report which provides conclusions and recommendations regarding the results of the soil removal activities and the soil analytical testing relative to current Wisconsin Department of Natural Resources (WDNR) guidelines and regulations.

(1e970339.scp/djr)

SECTION 6.3

APPENDIX 3

SITE PHOTOGRAPHS



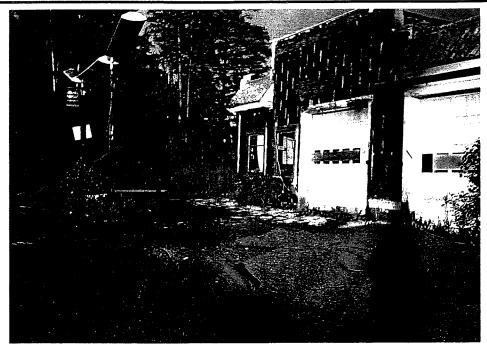
Photograph #1: View of the former Thomas service station (facing southwest).



Photograph #2: View of the former Thomas service station with the installed storm sewer (facing southeast).

Thomas Service Station Property STH 77, STA. 329+10 to 330+70 City of Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70 Project No. 1E-9703039





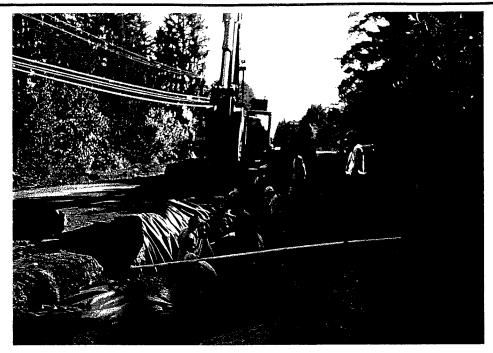
Photograph #3: A closer view of the former Thomas service station with the pump island (facing southeast).



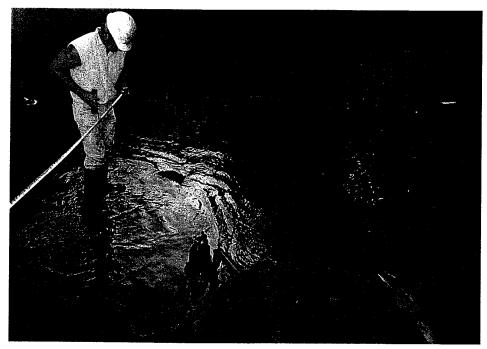
Photograph #4: View of the excavation and transportation equipment.

Thomas Service Station Property STH 77, STA. 329+10 to 330+70 City of Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70 Project No. 1E-9703039





Photograph #5: View of storm sewer installation activities (facing northeast).



Photograph #6: View of dewatering activities in installing the storm sewer.

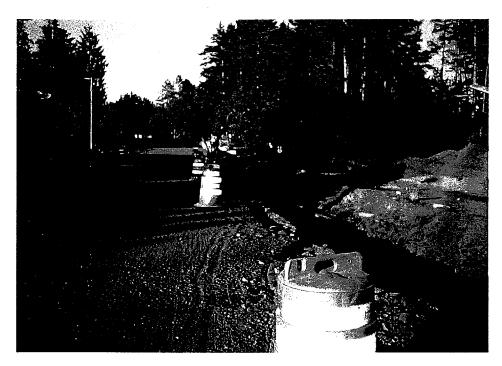
Thomas Service Station Property STH 77, STA. 329+10 to 330+70 City of Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70 Project No. 1E-9703039 GILES ENGINEERING OSSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL

AND CONSTRUCTION MATERIALS CONSULTANTS



Photograph #7: Closer view of the installed storm sewer (facing east).



Photograph #8: View of the installed storm sewer (facing southeast).

Thomas Service Station Property STH 77, STA. 329+10 to 330+70 City of Montreal, Iron County, Wisconsin WISDOT Project No. 9250-09-70 Project No. 1E-9703039



SECTION 6.4

APPENDIX 4

PID METER CALIBRATION

PID METER CALIBRATION

The Photoionization Detector (PID Model PI-101, 11.7 electron Volt (eV), Serial No. 401173) was calibrated with HNu Span Gas (No. 101-350) Isobutylene standard gas to Benzene equivalents in the *Giles* laboratory and in the field before, during and after soil sampling procedures. The PID meter span dial was placed on the 0 - 200 HNu-unit setting and was set at a span for a PID reading of 72 HNu-units. The photoionization detector calibration documentation is included with this appendix. While in the laboratory, the battery pack of the PID meter was recharged using an HNu converter/charger. The results of the PID field screening are indicated on Table 1 - *Giles* Soil Sampling Field Log of this report.

1e970339.pid/djr

PHOTOIONIZATION DETECTOR CALIBRATION DOCUMENTATION

Facility Name Former Thomas Service Station
Location STH 77, STA. 329+10 to 330+70
Montreal, Iron County, Wisconsin
Project No. 1E-9703039

Photoionization Calibration Record (1) Giles Staff: <u>Charley C. Wang</u> Weather Conditions: <u>Sunshine, 60's</u>								
Time	Calibration Gas Concentration (2)	Response (HNU® Units)	Span Pot Setting					
4:30 pm; July 8, 1997	100 ppm	72 ppm	0.68					
7:00 am; July 9, 1997	100 ppm	72 ppm	0.68					
11:00 am; July 9, 1997	100 ppm	72 ppm	0.68					

(1) Photoionization Meter Name and Type: HNU Systems, Inc.® Model No. PI 101
Serial No. _401173_

(2) Calibrated with Isobutylene to benzene equivalents.

1e970339.pd1

SECTION 6.5

APPENDIX 5

STANDARD PROCEDURES

STANDARD PROCEDURES

Soil Classification and Sampling Procedures

The collected soil samples were placed in new, laboratory approved 60 milliliter (mL) glass sampling jars with Teflon® lined lids, 4 ounce polystyrene plastic jars and 8 ounce glass sampling jars. The select soil samples collected for GRO and PVOC chemical analyses were field weighed, placed in 60 mL glass sampling jars with Teflon® lined lids, methanol preserved in accordance with current WDNR guidelines, sealed, and placed in a controlled environment. The select soil samples collected for DRO chemical analysis were field weighed, placed in 60 mL glass sampling jars with Teflon® lined lids, sealed, and placed in a controlled environment.

The soil samples collected in 8 ounce sampling jars were subjected to a head-space volatile vapor scan using a properly maintained and charged 11.7 electron volt (eV) HNu photoionization detector (PID). The volatile vapor scan technique is a screening method used to evaluate the presence of volatile organic vapor emissions. The head space sample containers were filled ½ to ¾ full, covered with a layer of aluminum foil, a metal lid, and allowed to warm to approximately room temperature prior to the vapor scan. The head space samples were also agitated for 30± seconds prior to the vapor scan. The PID was calibrated in the field before, during, and after the vapor scan.

(1e970339.std/djr)

SECTION 6.6

APPENDIX 6

CHAIN-OF-CUSTODY AND LABORATORY REPORTS

GILES													CHA		F-CU												Site		<u>(10</u>	$C \Gamma$		tl m	1 1
	N8 W22350 4875 East L 12240 India 10031 Moni	.a Palma . ın Creek 0	Avenue Su Court Suite	ite 607, A 105, Belts	naheim, (sville, MD	CA 92	807		tel: 1 tel: 3	114-5 714-7 301-2 214-3	79-00 10-12	052 212		fax:	414-5 714-7 301-2 214-3	79-0 10-1	068 215				clos				ired		Address			uv 1 1:50	-	J	
Sample Colle	ector	(h)	arley	Wa	-, ∈ Q				Proi	ect M	anad	er	W.	1	rul	P	-	<u></u>	`c 51	0		•				Project N	lumber					30 S	j
_aboratory U		Gil		Ufice		_/	-55.	······		Cont								17.1								Lab Job I						255	
Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO (WI mod)	DRO (WI mod)	TPH (gasoline) 8015	TPH (diesel) 8015	VOC (EPA 8021)	PVOC (EPA 8020)	BTEX (EPA 8020)	Lead	Cadmium	Copper	Silver	Asbestos	TCLP metals	Semi-volatile Org (625/8270)	Purgable Halocarbons	Purgable Aromatics					Containers	Number and Type of		Sample Preservative	Due Date	- 1	Lab ID	Sample Temperature
5 -1	51	soil	7/8	7:35	BDL	X	Х				X															30	IF	11	eoil	7/27	49.1	187	RM
5-2.	.s '	\1	1	7:05		1	\coprod				1	_		_							_			_	_		<u> </u>	_		1	_	4/88	
5-6	7,	<u></u>	<u> </u>	7:20	<u> </u>	1	1	<u> </u>	<u> </u>		1	_		_	ļ	_	L	_	<u> </u>	ļ	ļ	<u> </u>		_	_		<u> </u>	↓_			_	489	
5=7	<u> </u>	<u> </u>	7/9-	7:40		#			1			-	_		10	1.0	eli	οĻ	<u> , c</u>	<u> </u>	4_	1//	1	† <u>7</u>	<u> </u>	ļ	ļ	<u> </u>	↓	\sqcup	_	490	
5-8	5'	` '	<u> </u>	7:50	 	$\!$	H	_		_	$\!$	-	 	<u> </u>	<u> </u>	<u> </u>	1	-	<u> </u>	4_	 	+	-	+	_		-	 	├	$\vdash \vdash$	-	47'	
S-9-	5-	<u> </u>		7:18	 	#	#	1	上	-	#		 	_	Co	11	101	ç y	<u> · · · · · · · · · · · · · · · · · · ·</u>	4	1	12	44	19	1	ļ	<u> </u>	╀	 	\vdash	_	1112	
<u>S-10</u>	6'	\ \ \ \	12/	11:5		₩	$\dashv \downarrow$	 	ļ		+	╁	-	-	-		_	_	f: 1	_	-	 	1. /	+	-			┼	┼	\vdash		495	
<u> </u>	-6			8-25		#	+	F	 	 	+	-	-			- (. gu	10	1 00	1		<u> </u>	1/1	1/	19	<u> </u>	-	╀	+	\vdash		494	_
5-1-3	-6	177		7:01	+	#	+	干	+	+=		-	-	+=	+	+ 4	OV	CO	िस	4	4	*	,	10	19	'		+		╁┼		495 1146	
S-14- Meth	l b	ave.		7:40	V	X	1	+	-	-	λ X	-	╞	F			-(CAN	yet.	ea	+	+	1/	1/1	177	/ `	<u>v </u>	1	<u>y</u> 5 ~ }≠	1		497	1
						I																											
		ļ	 	-		╁	-	-	T	RC	_	50	pla	 	1	Yr	26.1	ļ.,	200	5 00	4	12/1	1/9	10	1)	9:00	AP1	 			-		
container co A = 8 oz/ B = 4 oz/ Relinquishe	250 ml 120 ml Tef	lon lined	1	C = 2 oz. D = 40 m		ial Re	lined	d By		1					lon lir	ned	PAG	J SE	<u> </u>		= poly		1			BILL TO) :	!= <u>.</u> J=		send (сору с	 of invoice t	o Giles
						+											OF			. `													

Site Information

WDOT - HWY 77

Hurley, WI

GILES

ENGINEERING PSSOCIATES, INC.

Giles Project #:

1E-9703039

lient: Paul Giese

Lab Job #:

97.0095

Date Received 7/10/97

DRO (WISCONSIN MODIFIED METHOD)

C	SAMPLE ESCRIPTION	SAMPLE MATRIX	SAMPLE NUMBER	DATE ANALYZED	DATE SAMPLED	DATE EXTRACTED	DRO RESULT	FLAGS	LIMIT OF DETECTION	LIMIT OF NOITATION	DILUTION	PERCENT SOLIDS
	S-1 5'	Soil	97.487	7/16/97	7/8/97	7/10/97	20 mg/kg	L	2.1 mg	g/kg 6.9 mg/kg	1	88.1%
igu-l	S-2 5'	Soil	97.488	7/15/97	7/8/97	7/10/97	260 mg/kg	L	D 21 mg	g/kg 69 mg/kg	10	86.5%
4.1,5	S-6 5'	Soil	97.489	7/15/97	7/8/97	7/10/97	<		2.1 mg	g/kg 6.9 mg/kg	1	81.9%
	S-8 5'	Soil	97.491	7/15/97	7/9/97	7/10/97	<		2.1 mg	g/kg 6.9 mg/kg	1	83.2%
	S-10 6'	Soil	97.493	7/15/97	7/9/97	7/10/97	<		2.1 mg	g/kg 6.9 mg/kg	1	85.3%

QC DATA SUMMARY

Blank: Spike:

74%

Dup Spike:

82%

RPD:

11%

Batch #: 970715-1A

Begin Calibration Check: 84%

End Calibration Check: 103%

Second Source Calibration Check: 90%

Hexane Blank: <

DATA FLAGS

Soil analysis reported on a dry weight basis

< = Below the Limit of Detection</p>

D = Elevated reporting limits due to sample dilution

L = Late eluting peaks detected

proved By:

Date: 7/16/97

Site Information

WDOT - HWY 77

Hurley, WI



iles Project #: Client: Paul Giese

1E-9703039

Lab Job #:

97.0095

Date Received: 7/10/97

GRO (WISCONSIN MODIFIED METHOD)

			SAMPLE NUMBER	DATE ANALYZED	DATE SAMPLED	GRO RESULT FLAGS	LIMIT OF DETECTION	LIMIT OF QUANTITATION		PERCENT SOLIDS
	S-1 5'	Soil	97.487	7/10/97	7/8/97	0.39 mg/kg J	0.34 mg/kg	1.1 mg/kg	1	88.1%
	S-2 5'	Soil	97.488	7/10/97	7/8/97	15 mg/kg L	0.34 mg/kg	1.1 mg/kg	1	86.5%
	S-6 5'	Soil	97.489	7/10/97	7/8/97	1.1 mg/kg J	0.34 mg/kg	1.1 mg/kg	1	81.9%
	S-8 5'	Soil	97.491	7/11/97	7/9/97	0.72 mg/kg J	0.34 mg/kg	1.1 mg/kg	1	83.2%
-	S-10 6'	Soil	97.493	7/11/97	7/9/97	<	0.34 mg/kg	1.1 mg/kg	1	85.3%
	DNR trip blank (MeOH	Other	97.497	7/10/97	7/9/97	<	0.34 mg/kg	1.1 mg/kg	1	

QC DATA SUMMARY

Batch #:

970710-11

Blank:

Spike:

Dup Spike:

95%

RPD:

3.7%

Begin Calibration Check: 100% End Calibration Check: 96%

Second Source Calibration Check: 105%

MeOH Blank: <

DATA FLAGS

Soil analysis reported on a dry weight basis

< = Below the Limit of Detection

J = Estimated value between the Limit of Detection and the Limit of Quantitation

L = Late eluting peaks detected

Approved By:

Dwight E. Montague, Laboratory Supervisor WDNR #268305180

Site Information: WDOT - HWY 77

Hurley WI



client Paul Giese
project 1E-9703039
date analyzed 7/14/97
date sampled 7/8/97
date extracted 7/8/97
percent solids 88.1%

 EPA method 8020B

 matrix
 Soil

 dilution
 1: 50.00

 analyzed by
 DEM

 sample
 97.487

 lab job #
 97.0095

sample # 97.487

S-1 5'

	result	LOD	LOQ		MeOH Blank	Blank times
analyte	(ug/kg)	(ug/kg)	(ug/kg)	Flags	(ug/kg)	dilution
Benzene	<	16	53		<	<
Toluene	<	15	51		<	<
Ethylbenzene	<	18	59		<	<
Total Xylenes	<	51	170	·	<	<
Methyl tertiary butyl ether	<	13	44		<	<
1,2,4-Trimethylbenzene	<	23	7 7	s	<	· <
1,3,5-Trimethylbenzene	<	16	54		<	<
	······································	16				······································

data file

QC SUMMARY		QC batch number	g	14ef2x
Initial Calibration Check	100.0% passing	Sequence file	c:	\z\03\g14ef.seq
Second Source Calibration Check	85.7% passing	Calibration file	Α	c:\z\bu\03\03ewg077
methanol blank	100.0% passing		В	c:\z\bu\03\03fwg077
water blank	100.0% passing	Surrogates		
spike recovery	100.0% passing	97.1% Fluoroben	zene (P	ID)
duplicate spike recovery	100.0% passing	115.7% 2-Bromofil	uoroben	zene
RPD	100.0% passing	100.2% 2-Bromocl	lorobenz	ene
end calibration check standard	100.0% passing			
		data file	Α	c:\z\03\g14e004.rst

DATA FLAGS

» Soil analysis reported on a dry weight basis

¤ Elevated LOD due to methanol extraction

LOQ - limit of quantitation | LOD - limit of detection | < - less than LOD

QC outside in-house limits/s - 2nd source,

Approved by:

Dwight E. Montague, Laboratory Supervisor

Date:

07/15/97

c:\z\03\g14f004.rst

WDNR #268305180

8305180 97_487.XLS

Site Information: WDOT - HWY 77

Hurley WI



client Paul Giese 1E-9703039 project date analyzed 7/15/97 date sampled 7/8/97 date extracted 7/8/97 percent solids 86.5%

EPA method 8020B matrix Soil dilution 1: 50.00 analyzed by DEM sample 97.488 lab job # 97.0095

sample # 97.488

S-2 5'

						MeOH	Blank
	result	LOD	LOQ			Blank	times
analyte	(ug/kg)	(ug/kg)	(ug/kg)		Flags	(ug/kg)	dilution
Benzene	<	16	53			<	<
Toluene	53	15	51		***************************************	<	<
Ethylbenzene	<	18	59			<	<
Total Xylenes	<	51	170			<	<
Methyl tertiary butyl ether	<	13	44			<	<
1,2,4-Trimethylbenzene	56	23	77	J	S	<	<
1,3,5-Trimethylbenzene	31	16	54	J	.,	<	<

	·····		******************				

QC SUMMARY		QC batch number	g1	4ef2x
Initial Calibration Check	100.0% passing	Sequence file	C:1	z\03\g14ef.seq
Second Source Calibration Check	85.7% passing	Calibration file	Α	c:\z\bu\03\03ewg077
methanol blank	100.0% passing		В	c:\z\bu\03\03fwg077
water blank	100.0% passing	Surrogates		
spike recovery	100.0% passing	98.8% Fluoroben	zene (Pl	D)
duplicate spike recovery	100.0% passing	116.6% 2-Bromofic	uorobenz	ene
RPD	100.0% passing	104.0% 2-Bromocl	orobenz	ene
end calibration check standard	100.0% passing			
		data file	Α	c:\z\03\g14e021.rst
DATA FLAGS		data file	В	c:\z\03\g14f021.rst

I J - Estimated value between the LOD and the LOQ

¤ Results not confirmed by second column analysis

= Soil analysis reported on a dry weight basis

Elevated LOD due to methanol extraction

LOQ - limit of quantitation LOD - limit of detection < - less than LOD

QC outside in-house limits s - 2nd source,

Approved by: Dwight E. Montague, Laboratory Supervisor Date:

WDNR #268305180

Site Information: WDOT - HWY 77

Hurley WI



client Paul Giese
project 1E-9703039
date analyzed 7/14/97
date sampled 7/8/97
date extracted 7/8/97
percent solids 81.9%

 EPA method 8020B

 matrix
 Soil

 dilution
 1: 50.00

 analyzed by
 DEM

 sample
 97.489

 lab job #
 97.0095

sample # 97.489

S-6 5'

	result	LOD	LOQ		MeOH Blank	Blank times
analyte .	(ug/kg)	(ug/kg)	(ug/kg)	Flags	(ug/kg)	dilution
Benzene	<	16	53		<	<
Toluene	<	15	51		<	<
Ethylbenzene	<	18	59		<	<
Total Xylenes	<	51	170		<	<
Methyl tertiary butyl ether	<	13	44		<	<
1,2,4-Trimethylbenzene	<	23	77	S	<	<
1.3.5-Trimethylbenzene	<	16	54	***************************************	<	<

QC SUMMARY		QC batch number	g1	4ef2x
Initial Calibration Check	100.0% passing	Sequence file	c:\	z\03\g14ef.seq
Second Source Calibration Check	85.7% passing	Calibration file	Α	c:\z\bu\03\03ewg077
methanol blank	100.0% passing		В	c:\z\bu\03\03fwg077
water blank	100.0% passing	Surrogates		
spike recovery	100.0% passing	103.6% Fluorober	nzene (PII	D)
duplicate spike recovery	100.0% passing	120.9% 2-Bromofl	uorobenz	ene
RPD	100.0% passing	103.5% 2-Bromoc	lorobenze	ene
end calibration check standard	100.0% passing			
		data file	Α	c:\z\03\g14e012.rst
DATA FLAGS		data file	В	c:\z\03\g14f012.rst

■ Soil analysis reported on a dry weight basis

Elevated LOD due to methanol extraction

QC outside in-house limits: \$ - 2nd source,

 Date:

07/15/97

WDNR #268305180

Site Information: WDOT - HWY 77

Hurley WI



client Paul Giese
project 1E-9703039
date analyzed 7/14/97
date sampled 7/9/97
date extracted 7/9/97
percent solids 83.2%

 EPA method 8020B

 matrix
 Soil

 dilution
 1: 50.00

 analyzed by
 DEM

 sample
 97.491

 lab job #
 97.0095

sample # 97.491

S-8 5'

sample # 97.491 3-05					MeOH	Blank
	result	LOD	LOQ		Blank	times
analyta	(ug/kg)	(ug/kg)	(ug/kg)	Flags	(ug/kg)	dilution
analyte	< <	16	53		<	······
Benzene	***************************************	15	E 4		•	•
Toluene	<	18	59		<u> </u>	······
Ethylbenzene Tatal Yvianos	<	51	170		<	<u></u>
Total Xylenes Methyl tertiary butyl ether	<	13	44		<	<u> </u>
1.2.4-Trimethylbenzene	<	23	77	S	······	<
1 3 5-Trimethylbenzene	<	16	54		<	<
1,0,0	***************************************					

	***************************************				***************************************	
	***************************************			***************************************		

QC SUMMARY	
Initial Calibration Check	100.0% passing
Second Source Calibration Check	85.7% passing
methanol blank	100.0% passing
water blank	100.0% passing
spike recovery	100.0% passing
duplicate spike recovery	100.0% passing
RPD	100.0% passing
end calibration check standard	100.0% passing

DATA FLAGS

QC batch number

g14ef2x

Sequence file

c:\z\03\g14ef.seq

Calibration file

A c:\z\bu\03\03ewg077
B c:\z\bu\03\03fwg077

Surrogates

100.6% Fluorobenzene (PID)

118.3% 2-Bromofluorobenzene

99.3% 2-Bromoclorobenzene

data file

c:\z\03\g14e013.rst

data file

A B

c:\z\03\g14f013.rst

m Elevated LOD due to methanol extraction

LOQ - limit of quantitation LOD - limit of detection < - less than LOD

QC outside in-house limits: s - 2nd source,

 Date:

07/15/97

WDNR #268305180

Soil analysis reported on a dry weight basis



EERING ASSOCIATES, INC.

Paul Giese 1E-9703039 7/14/97 7/9/97 7/9/97

85.3%

EPA method 8020B

matrix dilution analyzed by sample lab job #

Soil 1: 50.00 DEM 97.493 97.0095

Other 1: 50.00 DEM 97.497 97.0095

result (ug/kg)	LOD (ug/kg)	LOQ (ug/kg)	Flags	MeOH Blank (ug/kg)	Blank times dilution
< >	16	53		<	<
<	15	51	•••••	<	<
<	18	59	***************************************	<	<
<	51	170	•••••••	<	<
<	13	44		<	<
<	23	77	S	<	<
<	16	54		<	<
		,			

BI	eOH ank g/kg)	Blank times dilution
	<	<
	<	<
	<	<
	<	<
	<	<
	<	<
•••••		

100.0% passing 85.7% passing 100.0% passing 100.0% passing 100.0% passing

100.0% passing

100.0% passing 100.0% passing

g14ef2x QC batch number c:\z\03\g14ef.seq Sequence file c:\z\bu\03\03ewg077 Calibration file В c:\z\bu\03\03fwg077 Surrogates

103.4% Fluorobenzene (PID) 121.4% 2-Bromofluorobenzene 100.4% 2-Bromoclorobenzene

data file data file

c:\z\03\g14e014.rst Α В c:\z\03\g14f014.rst

4ef.sea \bu\03\03ewg077 \bu\03\03fwg077

\03\g14e015.rst \03\g14f015.rst

ntainer after methanol preservation to determine sample weight

extraction

- limit of detection < - less than LOD

i source,

itory Supervisor Page 1 of 1 Date: WDNR #268305180

07/15/97

97_493.XLS

07/15/97

8305180

SECTION 6.7

APPENDIX 7

STANDARD SOIL CHEMICAL ANALYSIS PROCEDURES

SOIL CHEMICAL ANALYSIS PROCEDURES

Chemical Analysis

Method

Soil

- Gasoline Range Organics (GRO)

Wisconsin Modified*

- Diesel Range Organics (DRO)

Wisconsin Modified

- Petroleum Volatile Organic Compounds (PVOCs)

USEPA 8020*

See Section 6.6 (Appendix 6) for complete results of soil chemical analysis.

* Soil samples submitted for Gasoline Range Organic (GRO) and Petroleum Volatile Organic Compounds (PVOCs) analyses were methanol preserved in the field in accordance with current WDNR requirements.

(1e970339.sca/djr)

SECTION 6.8

APPENDIX 8

GENERAL COMMENTS

GENERAL COMMENTS

This report has been prepared specifically for the Wisconsin Department of Transportation (WISDOT). Reproduction and/or distribution of this report should not be performed without consent from the WISDOT and *Giles*.

The information presented in this report is based on field observations and sampling of soils performed within the property boundaries at specific locations at a specific point in time. The opinions formulated regarding the petroleum related compounds encountered on this property are based upon reasonable judgements made in light of this information and the data obtained from the specific site.

The conclusions and recommendations presented in this report have been promulgated in accordance with generally accepted professional practice in the field of environmental consulting at the time of this report. No other warranty is either expressed or implied.

(1e970339.gen/djr)

BRR01-P (M)

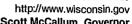
Bureau-for Remediation and Redevelopment Activity Detail Report - Case Tracking

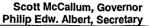
Activity Number:	: 03-26-000788			Transferred to:	✓ DCOM	ТСР
Activity Type:	: LUST			DCOM Number:	54550999900	
Activity Name:	: THOMAS SERVICE STATIC	N (FORMER)				
Activity Address:	:					
Regions	: Northern Region	County: Iron		FID: 8260	034110	
Location Name:	: THOMAS SERVICE STATIC	N (FORMER)		EPA ID:		
Location Address:	: STH 77			Start Date: 06/20/1994	End Date: OPEN	
Municipality	: MONTREAL			Project Manager:		
Priority	: Low	Score:	LUST T	rust Eligible: FEDERAL		
Comment	:					
File Location:					NAR DNR Box No.: NAR RC Box No.:	
ctivity Geo Locatio	on: : SE 1/4 of SW 1/4 of Section 2	7. Township 46N Pange M	7			
	: None Found	7, Township 4014 Range 02	Longitude: N	Jone Found		
HWIMS Geo Loca			Longitude: 1	tone I ound		
•	: SW 1/4 of NW 1/4 of Section	27, Township 46N Range (02W			
Latitude	: None Found		Longitude: N	lone Found		
VPLE		Co-Contamination		PECFA Eligible	PECFA 80K Failure	
VPLE Gen Prop		Co-Contamination Tracked by DCOM	. []	PECFA Eligible PECFA 80K	PECFA 80K Failure	
Gen Prop			· []		PECFA 80K Failure	
	•				PECFA 80K Failure	
Gen Prop impacts: Soil Contamination	*>				PECFA 80K Failure	
Gen Prop	Assigned: 12/01/1999				PECFA 80K Failure	
Gen Prop Impacts: Soil Contamination Risk:					PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk	Assigned: 12/01/1999				PECFA 80K Failure	·
Gen Prop Impacts: Soil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions:	Assigned: 12/01/1999 nown Type				PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions:	Assigned: 12/01/1999 nown Type		06/20/1994		PECFA 80K Failure	
Gen Prop Impacts: Soil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S	Assigned: 12/01/1999 nown Type		06/20/1994 07/28/1994		PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S R.P. LETT	Assigned: 12/01/1999 nown Type n Sent ER SEND/CONSULT		07/28/1994		PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S R.P. LETT	Assigned: 12/01/1999 nown Type n Sent ER SEND/CONSULT				PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S R.P. LETT 2 RP Letter S R.P. LETT	Assigned: 12/01/1999 Nown Type The sent Sent Sent/2		07/28/1994		PECFA 80K Failure	
Gen Prop Impacts: Goil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S R.P. LETT 2 RP Letter S R.P. LETT 37 SI Report F SI REPOR	Assigned: 12/01/1999 Nown Type Sent Sent Sent/2 ER SEND/CONSULT Sent/2 ER SEND/CONTACT Received (w/out Fee) T RECV'D (PHASE II DOT) Action Options Report received	Tracked by DCOM	07/28/1994 07/29/1994		PECFA 80K Failure	
Gen Prop Impacts: Soil Contamination Risk: Low Risk Substances: Hydrocarbon - Unkn Actions: 1 Notification 2 RP Letter S R.P. LETT 2 RP Letter S R.P. LETT 37 SI Report F SI REPOR 39 Remedial A PHASE IV	Assigned: 12/01/1999 Nown Type Sent Sent Sent/2 ER SEND/CONSULT Sent/2 ER SEND/CONTACT Received (w/out Fee) T RECV'D (PHASE II DOT) Action Options Report received	Tracked by DCOM	07/28/1994 07/29/1994 10/12/1995		PECFA 80K Failure	

BUREAU OF PECFA P.O. Box 8044

Madison, Wisconsin 53708-8044 TDD #: (608) 264-8777

Fax #: (608) 267-1381 http://www.commerce.state.wi.us







September 19, 2002

Bill Thomas 24 Nimikon St Gile, WI 54550

RE:

Request for Site Update

Commerce # 54550-9999-00

WDNR BRRTS # 03-26-000788

Thomas Service (Former), State Hwy 77 & 6th Ave, Montreal

Dear Mr. Thomas:

The Wisconsin Department of Commerce (Commerce) is requesting information regarding activities associated with petroleum contamination at the site referenced above. According to information in the case file, petroleum contamination was discovered at the site on June 20, 1994. The most recent correspondence in the file is dated August 29, 1997, and was prepared by Giles Engineering Associates, Inc. for the Department of Transportation.

Commerce requests that you submit any more recent information and provide a plan to fulfill your responsibility to address the petroleum contamination. Under current regulations, many sites require little or no cleanup actions after adequate characterization and risk assessment are performed.

Be aware that periods of inactivity and non-compliance can affect PECFA eligibility (if applicable) and, specifically, deem a percentage of the interest on your PECFA loan as not eligible for reimbursement. In addition, Commerce can pursue enforcement actions if you do not respond to this request for information. Within 30 days, please inform Commerce in writing of your intentions to bring this case to closure.

Your prompt attention to this request is appreciated. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-2515.

Sincerely.

David E. Blair
Hydrogeologist
Site Review Section

cc: Case File





Tommy G. Thompson, Governor William J. McCoshen, Secretary

January 30, 1998

Mr.Bill Thomas 24 Nimikon St Gile, WI 54550



Subject:

Former Thomas Service, STH 77, Montreal, WI COMM # 54550, BRRT's # 03-26-

000788

Dear Mr. Thomas:

I recently reviewed the file for the above noted site.

I have the reports prepared by Level One Engineering and Giles Engineering for the contaminated soils found in the roadway, authorized by Department of Transportation.

These reports indicate that there is contamination located on your property and that there are tanks still present on this property but not in use. I am requesting that you have these tanks removed and perform an investigation to determine the extent and degree of the contamination at your property.

The Department appreciates all efforts to remediate these sites and will offer any assistance that we can to help you through this process.

If you have any questions please call me at 715-762-5557. I will be gone the week of Feb 2-6, but after that I will be in the office.

Sincerely,

Shanna Laube Hydrogeologist PECFA Program

State	of Wiscontent o	onsin f Name	ral Reso	Route Tources Solie		Пи	lo	Waste						oring 2 100-122	Log Ir	form	
Depai	ment o	1 1 1010			rgency Respons				l Tanks			r	·01111 44	122	•		7-91
				☐ Was	tewater	□ w		Resou	rces					Pag	e 1	of	2
Facilit	y/Projec	t Nam	e					ense/Pe	rmit/M	onitorii	ng Nun	nber	Boring	Numb		01	
STI	I 77								· · · · · · · · · · · · · · · · · · ·				SB5				
	g Drilled D, Ma			ne and name of crew c	hief)		Dat		ng Star		Date	Drillin	-	pleted	Drillin	_	ıod
VV 1	D, MIZ	пит	nuot					5/	/24/94			5/2	24/94		HSA		
DNR	Facility	Well N	lo. W	Unique Well No.	Common Well	Name	Fin	al Statio	c Water		Surf	ace Ele		1	orehole		
Roring	Location	าก			<u> </u>		<u> </u>			MSL	Loca	al Grid	Feet M. Locatio			8.0	nches
State	Plane				N, (E)			Lat	0111					N	_	(Β
		of S	W 1/4	of Section 27	T 46 N,R 7	DNR Cou		ong	0 i ii Civil T		11/ or		et 🗌	S		Feet [□ w
Count						26	my	Code	Mon		ty/ Of	v mage					
Sar	nple												Soil	Prope	rties		
		ts	ë	Soil/Roo	ck Descriptio	n						_					
1 -1	ig E	Coun	In F		ogic Origin 1	For		S	ပ	8	А	를 다	<u>ور</u> يو				ents
Number	Length (in) Recovered	Blow Counts	Depth In Feet	Each	Major Unit			sc	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	200	RQD/ Comments
_z̃	SE.	Big	å					n		ž ä	<u> </u>	Sta	Σೆ	<u> </u>	급급	<u>Р</u>	80
			E		,				0			-					
			-1						٠.٠٠								
			-														
1	.5	3	_2 _									21	w				
		8 13	- -3 \						0'		•						
		21	-	Br. F-C SAND,	w/Gravel				· · · · · ·								
1.			<u>-</u> 4						٥٠٠٠								
L	-		F						0								
2	.5	31	<u>-</u> 5					-	· · · · · ·			92	w				ĺ
		50 42	Ē,						ο								
		50	⊢6											:			
L			E-7					-	a .								
			E						٥٠								
		٠	-8	·										:			
			Ė														
			<u>-</u> 9		•				D								
			-10		•												
	Page 1		F .													ı	
			-11						0								
		ri. Roje	Ę.									}					
		N.	<u>-12</u>						· ° · · · ·								
		unat	me info	rmation on this form i	s true and corre				owledg	e.							
			7	0. 1			Firm		WTD								
				Chanters 144 147 and					101 Ald Tel: (71	ierson 5) 359	ocnoti -7090	eid, WI Fax: (7	54476 (15) 35:	5-5715			

Wish Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Stats of the separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

SB5 **Boring Number** Use only as an attachment to Form 4400-122. Page 2 of 2 Sample Soil Properties Depth In Feet Soil/Rock Description Blow Counts Standard Penetration And Geologic Origin For Moisture Content PID/FID uscs Graphic Log Well Diagram Number Each Major Unit Liquid Limit Plastic Limit P 200 E.O.B. 12.0.

State Depar	of Wisc	onsin of Natu	ral Res		1 Waste			Waste					Soil Bo Form 44		Log In	ıform	ation 7-91
				⊔ Eme □ Was	rgency Respons			ground Resou	i Tanks irces								
)ther							Pag		of 2	2
STI	y/Proje I 77								ermit/M				SB6				
	Drilled D, Ma			me and name of crew c	hief)		Dat		ing Star		Date	Drillin		pleted	Drillin	_	iod ·
VV 1	D, MI	arri	nuot					5	/24/94			5/2	24/94		HSA		
DNR I	Facility	Well N	lo. W	I Unique Well No.	Common Well	Name	Fin	al Stati	c Water Fee	Level t MSL	Surf	ace Ele	vation Feet M	,	orehole	Diame	
Boring State	Locati Plane	on			n, E		1	Lat	0 1 11		Loc	l Grid		-		e)	
	N 1/4	of S	W 1/	4 of Section 27	T 46 N,R 7	2		ong	0 1 11	1		Fe	et 🗌		1	Feet [」 E □ W
County	y					DNR Cor	unty	Code	Civil T Mon		ty/ or	Village					
	nple					1-0			1.202				Soil	Proper	ties .		
		įγ.	t	Soil/Roo	k Description	n											
	red (ii)	Blow Counts	Depth In Feet	1	ogic Origin			S		_	۵	Fig.	ر دو				nts
Number	gth	Ŭ ≩	th I	Each	Major Unit			C	Graphic Log	II gran	PID/FID	ndar etra	Moisture Content	nid iti	stic iit	8	RQD/ Comments
Nu	Length (in) Recovered	Blo	Del					s n	Grap Log	Well Diagram	PIC	Standard Penetration	Ç Ç ¥	Liquid Limit	Plastic Limit	P 200	S.S.
			E							.							
			<u>-</u> 1														
	ļ		F													,	
1	1.5	6	-2									35	М				ŀ
		12 23	Ę.,						÷. ; ; ; ;								
		31	<u> </u>	F-C SAND					[.÷.]				*				
1			<u>E</u> 4		•				· — ·								
L	1		E						·								
2	1.0	3	_5		•				<u> </u>			10	w				
		5	E						<u></u>			10	,,				
		17	<u>-6</u>														}
]		F ₂												•		
. 3	1.5	5 7	F-7	F-C SAND, w/0	Gravel				: <u>.</u> ::			12	М				
		5	F_8														
		8	Ē						-::								
	1		_9	Br. Silty CLAY	•											1	
L	1		E														
4	1.5	17 -	-10	•					-:-			55	w	.			
		31 24	E 11 .						<u> </u>								
		50	F ''	Br. F-C SAND,	w/Gravel				<u>[</u>]							. '	
			-12						<u>.</u>								
ileri •	W Certi	fy that	the infe	ormation on this form is	s true and corre	ct to the b	est of	f my k	nowledg	e.	· · · · · · · · · · · · · · · · · · ·	L	L	<u> </u>			
			7 123504	1			Firm		WTD		onme	ntal I	rilling	<u> </u>			
			6	Val-		ł			101 Ald								

authorized by Chapters 144, 147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor 1000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Stats.

Tel: (715) 359-7090 Fax: (715) 355-5715

Boring San	nple			Use only as an attachment to Form 4					<u> </u>	Soil	Prope	e 2		Τ
Number	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	Standard Penetration			Plastic Limit	P 200	BOD/
				E.O.B. 12.0										
							`							
		;								,				
								•						
			*_>											
						·								
t ist.							•							
				•										
		BA, in												



Search Instructions

Search by Site, Owner, or Tank Characteristics

Search by Tank ID

Tank Detail

Site and Owner

Site Info

County & Municipality

Owner

ID: 57300 BILLS GILE SERVICE STATION 26 - IRON 55 WISCONSIN AVE

City of MONTREAL

ID: 382347 **WILLIAM E THOMAS**

MONTREAL

Fire Dept ID: 2609 - Montreal

Landowner Type: Private

24 NIMIKON AVE GILE WI 54525 0

Underground Storage Tank - ID: 398867, Wang ID: 260900003, Closed Filled With Inert Material as of 11/01/1989

Install Date:

Capacity in Gallons: 2000

Contents:

Leaded Gasoline

Tank Occupancy:

Retail Fuel Sales

Marketer:

Y

CAS Number:

Federally Regulated:

Υ

Spill Protection:

Required - Not Installed

Overfill Protection:

Required - Not

Installed

Corrosion Protect Type:

Date of Lining:

Lining Inspected Date:

Leak Detection:

Manual Tank Gauging

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Expire Date:

Leak Test Date:

Construction Material:

Wall Size:

Single

Underground Piping: Y

Other

Close Order Date:

Close Order By:

Piping - Closed Filled With Inert Material

Flex Connectors:

UST mainfolded:

Related Tank ID:

Type:

Safe Suction Aboveground Piping:

Aboveground Pipe Construction:

Construction Material:

Bare Steel Corrosion Protect Type: Leak Detection:

Not Required

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Test Date:

Leak Expire Date:

Pipe Wall Size:

Single

Catastrophic Leak Detection:

Cat Leak Test Date:



Close this response window

This document was last revised: 15 Feb 2001

Wisconsin Department of Commerce



Search Instructions

Search by Site, Owner, or Tank **Characteristics**

Search by Tank ID

Tank Detail

Site and Owner

Site Info

County & Municipality

Owner

ID: 57300 BILLS GILE SERVICE STATION 26 - IRON

City of MONTREAL

ID: 382347 WILLIAM E THOMAS

Options

55 WISCONSIN AVE **MONTREAL**

Landowner Type: Private

Fire Dept ID: 2609 - Montreal

24 NIMIKON AVE GILE WI 54525 0

Underground Storage Tank - ID: 398866, Wang ID: 260900002, Closed Filled With Inert Material as of 05/13/2001

Install Date:

Capacity in Gallons: 1000

Contents:

Unleaded Gasoline

Tank Occupancy:

Retail Fuel

Marketer:

Υ

CAS Number:

Federally Regulated:

Υ

Sales

Spill Protection:

Required - Not Installed

Overfill Protection:

Required - Not Installed

Corrosion Protect Type:

Date of Lining:

Lining Inspected Date:

Leak Detection:

Manual Tank Gauging

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Expire Date:

Leak Test Date:

Construction Material:

Coated Steel

Wall Size:

Single

Underground Piping: Y

Close Order Date:

Close Order By:

Piping - Closed Filled With Inert Material

Flex Connectors:

UST mainfolded:

Related Tank ID:

Type:

Safe Suction Aboveground Piping:

Aboveground Pipe Construction:

Construction Material:

Coated Steel Corrosion Protect Type: Leak Detection:

Not Required

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Test Date:

Leak Expire Date:

Pipe Wall Size:

Single

Catastrophic Leak Detection:

Cat Leak Test Date:

- CO TOP

Close this response window

This document was last revised: 15 Feb 2001

Wisconsin Department of Commerce



Office of the Governor

Department

Mail Links Index

News & Statistics

Search Options

Topics About Commerce

Business

Community

International

Petroleum Programs

Safety & Buildings

Employmen

Search Instructions

Search by Site, Owner, or Tank
Characteristics

Search by Tank ID

Tank Detail

Site and Owner

Site Info

County & Municipality

Owner

ID: <u>57300</u> BILLS GILE SERVICE STATION 26 - IRON

City of MONTREAL

ID: <u>382347</u> WILLIAM E THOMAS

55 WISCONSIN AVE MONTREAL

Fire Dept ID: 2609 - Montreal

Landowner Type: Private

24 NIMIKON AVE

GILE WI 54525 0

Underground Storage Tank - ID: 398865, Wang ID: 260900001, Closed Filled With Inert Material as of 06/01/2001

Install Date:

Capacity in Gallons: 1000

Contents:

Unknown

Tank Occupancy:

Retail Fuel Sales

Marketer:

Υ

CAS Number:

Federally Regulated:

Υ

Spill Protection:

Required - Not

Overfill Protection:

Required - Not Installed

Corrosion Protect Type:

Date of Lining:

Installed

Lining Inspected Date:

Leak Detection:

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Expire Date:

Leak Test Date:

Construction Material:

Wall Size:

Single

Underground Piping: Y

Close Order Date:

Close Order By:

Unknown

Piping - Closed Filled With Inert Material

Flex Connectors:

UST mainfolded:

Related Tank ID:

Type:

Aboveground Piping:

Aboveground Pipe Construction:

Construction Material:

Corrosion Protect Type: Leak Detection:

Cath Test Date:

Cath Expire Date:

Leak Test Meth:

Leak Test Date:

Leak Expire Date:

Pipe Wall Size:

Single

Catastrophic Leak Detection: Cat Leak Test Date:



Close this response window

This document was last revised: 15 Feb 2001

Wisconsin Department of Commerce