Jefferson Mobil
09-28-551786
SCR 022

RMT

ENVIRONMENT • ENERGY • ENGINEERING

June 18, 2008

RECEIVED
JUN 20 2008
DNR
SOUTH CENTRAL REGION

Ms. Jennifer Grimes
Wisconsin Department of Transportation
2101 Wright Street
Madison, WI 53704-2583

Mr. Randall Maass
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, WI 53711

Subject: USH 18 - Jefferson Mobil, 352 E. Racine Street, Jefferson, Wisconsin
WisDOT Project ID #3080-06-71

Dear Ms. Grimes and Mr. Maass:

Enclosed is the Underground Storage Tank Abandonment Report for USH 18 – Jefferson Mobil at 352 East Racine Street in Jefferson, Wisconsin. If you have any questions, please contact me at (608) 662-5274.

Sincerely,

RMT, Inc.

Daniel Haak /w

Daniel Haak
Project Engineer

Attachment

cc: Teri Schopp, WisDOT
Robert Pearson, WisDOT
Dick Fish, RMT

RMT

• ENVIRONMENT • ENERGY • ENGINEERING

Underground Storage Tank Abandonment

USH 18 - Jefferson Mobil
352 East Racine Street
Jefferson, Wisconsin

WisDOT ID #3080-06-71

June 2008

Prepared For
Wisconsin Department of Transportation

Daniel Haak
Project Engineer

Richard P. Fish
Vice President, Midwest Region

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744 Heartland Trail • Madison, WI 53717 • 608.831.4444 • 608.831.3334 FAX • www.rmtinc.com

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Executive Summary

The Wisconsin Department of Transportation (WisDOT) retained RMT, Inc. (RMT), to provide oversight and documentation of the abandonment of three underground storage tanks (USTs) that were encountered during excavations by We Energies' relocation of an underground natural gas line in advance of the planned reconstruction of U.S. Highway 18 (USH 18) (Racine Street) in Jefferson, Wisconsin. The first UST, which was encountered on January 16, 2008, was located in the USH 18 (Racine Street) right-of-way in front of the Jefferson Mobil site at 352 East Racine Street. A second UST was encountered in the right-of-way during excavations for the removal of the first UST. The third UST was encountered in the right-of-way on January 28, 2008, by WE Energies. The Wisconsin Department of Commerce's (WDCOM's) Storage Tank Database and the Department of Natural Resources' (WDNR's) Leaking Underground Storage Tank (LUST) database did not contain any data specific to the USTs. However, the Jefferson Mobil site is a closed Leaking Underground Storage Tank (LUST) site (WDNR BRRTS #03-28-001338), where in May 1991, three USTs (two 4,000-gallon and one 8,000-gallon unleaded gasoline) were removed. The WisDOT removed the USTs since they were within the right-of-way and the construction limits for the planned highway reconstruction.

On January 23, 2008, RMT and its subcontractor, Dakota Intertek Corp. (Dakota), of New Berlin, Wisconsin, mobilized to the site to abandon the first two USTs. The third UST was abandoned on January 31, 2008. During the excavation and abandonment of the USTs, some contamination was noted in the soil beneath the USTs. The tanks contained water, which had little or no product on it, and which was approved for disposal at the City of Jefferson Waste Water Treatment Plant. The USTs had rusty surfaces with holes. After the USTs were removed from the tank cavity, soil samples were collected from beneath the tanks for laboratory analysis to determine the nature of the remaining soil contamination.

Overburden soil removed during the abandonment of the USTs was used as backfill. Clean backfill was also added and compacted to bring the excavation back to grade. A temporary gravel walkway was constructed at the location of the sidewalk that was required to be removed during the UST abandonment activities.

Laboratory analytical results of the soil samples collected during the UST abandonments confirmed that low-level contamination (below NR 720 Residual Contaminant Levels) was present in the soil beneath the USTs.

Based on the confirmation sample results, no future soil or groundwater investigations or remediation is recommended for this site. Any contaminated soil that maybe encountered during excavations for the reconstruction of USH 18 will be managed in accordance with the WDNR-approved Special Provisions.

Section 1
Introduction

1.1 Background

The Wisconsin Department of Transportation (WisDOT) retained RMT, Inc. (RMT), as their environmental consultant to provide construction management services and documentation of the abandonment of three underground storage tanks (USTs) that were located in front of the Jefferson Mobil at 352 East Racine Street in Jefferson, Wisconsin. The first UST was encountered on January 16, 2008, by We Energies during relocation of an underground gas line in advance of the planned reconstruction of U.S. Highway 18 (USH 18) (Racine Street). A second UST was encountered during removal of the first UST. The third UST was encountered on January 28, 2008, by WE Energies. The tanks were mostly located within the USH 18 (Racine Street) right-of-way (approximately 14-18 inches were on the Jefferson Mobil property). The Wisconsin Department of Commerce's (WDCOM's) Storage Tank Database and the Department of Natural Resources' (WDNR's) Leaking Underground Storage Tank (LUST) database did not contain any data specific to the USTs. However, the Jefferson Mobil site is a closed Leaking Underground Storage Tank (LUST) site (WDNR BRRTS# 03-28-001338), where in May 1991, three USTs (two 4,000-gallon and one 8,000-gallon unleaded gasoline) were removed. Results of previous investigations are provided in Appendix A. The USTs had a capacity of approximately 1,000 gallons each, and were likely used for the storage of gasoline, based on analytical results of confirmation samples.

On January 23 and January 31, 2008, RMT and its subcontractor, Dakota Intertek Corp. (Dakota), of New Berlin, Wisconsin, mobilized to the site to abandon the USTs.

RMT's subcontractor and site personnel for this project were as follows:

Dakota Intertek Corp.
16600 W. National Avenue
New Berlin, Wisconsin 53151
(262) 784-8844
WI LUST Remover/Cleaner Cert. Brian James (#42742)

Daniel Haak
RMT, Inc.
744 Heartland Trail
Madison, Wisconsin 53717
(608) 831-4444
WI LUST Site Assessor Cert. #683396

1.2 Purpose and Scope

The purpose of this report is to document the tank abandonments at 352 East Racine Street in Jefferson, Wisconsin. This report has been prepared in substantial conformance with Wisconsin Administrative Code, Department of Commerce (DCOM), Chapter COMM 10, "Flammable and Combustible Liquids."

Section 2
Description of the Site Activities

On January 23, and January 31, 2008, RMT and Dakota mobilized to the site and abandoned the USTs by removal in accordance with DCOM 10. The USTs contained water, which had little or no product on it, and which was removed for off-site disposal. A total of approximately 2,800 gallons were disposed of at the City of Jefferson Waste Water Treatment Plant.

The USTs were lying north/south, perpendicular to USH 18 and in front of the Jefferson Mobil (Figure 1). The USTs were approximately 1,000 gallons in capacity each, and were constructed of single-walled steel. They had holes and rust on the surface. No piping was connected to the USTs. However, some loose piping was removed from above the USTs. The tank was cleaned and taken to a recycling center to be recycled for scrap metal (Appendix B). The tank closure checklist and tank inventory records are provided in Appendices C and D, respectively. Overburden soil excavated during the UST removals was reused for backfill.

After the USTs were removed, samples were collected from approximately 1 foot under the ends of the USTs, for field-screening with a photoionization detector (PID) and laboratory analysis for petroleum volatile organic compounds (PVOCs), gasoline range organics (GRO), and diesel range organics (DRO). Figure 1 shows the sampling locations. The results of the sampling indicated that low-level contamination was present in soil beneath the USTs. However, all laboratory analytical results were below the respective Wisconsin Administrative Code Chapter NR 720 generic Residual Contaminant Levels (RCLs) (Appendix E). The results of the sampling are summarized in Table 1.

The tank cavity was backfilled with crushed stone. A temporary gravel walkway was constructed at the location of the sidewalk that was required to be removed during the UST abandonment activities. Photographs are included in Appendix F.

Section 3
Findings and Conclusions

RMT's observations and the laboratory analysis results of the soil samples indicate the following:

- Three USTs that were located in the USH 18 (Racine Street) right-of-way adjacent to Jefferson Mobil at 352 East Racine Street in Jefferson were abandoned by removal in accordance with the requirements of DCOM 10. A closure assessment was performed on the USTs.
- Low-level contamination existed in the soil beneath the USTs. Laboratory analysis results of soil samples collected below the USTs were all below the Wisconsin Administrative Code Chapter NR 720 RCLs.
- The excavation was backfilled and compacted with crushed stone.
- Groundwater was encountered during the abandonment. Groundwater quality was not evaluated because known petroleum contamination exists at the site.

Section 4
Recommendations

Based on the results of the UST closure assessment and laboratory results, no future investigations or remediation is recommended for this site. If encountered during USH 18 reconstruction, contaminated soil will be managed in accordance with the WDNR-approved Special Provisions.

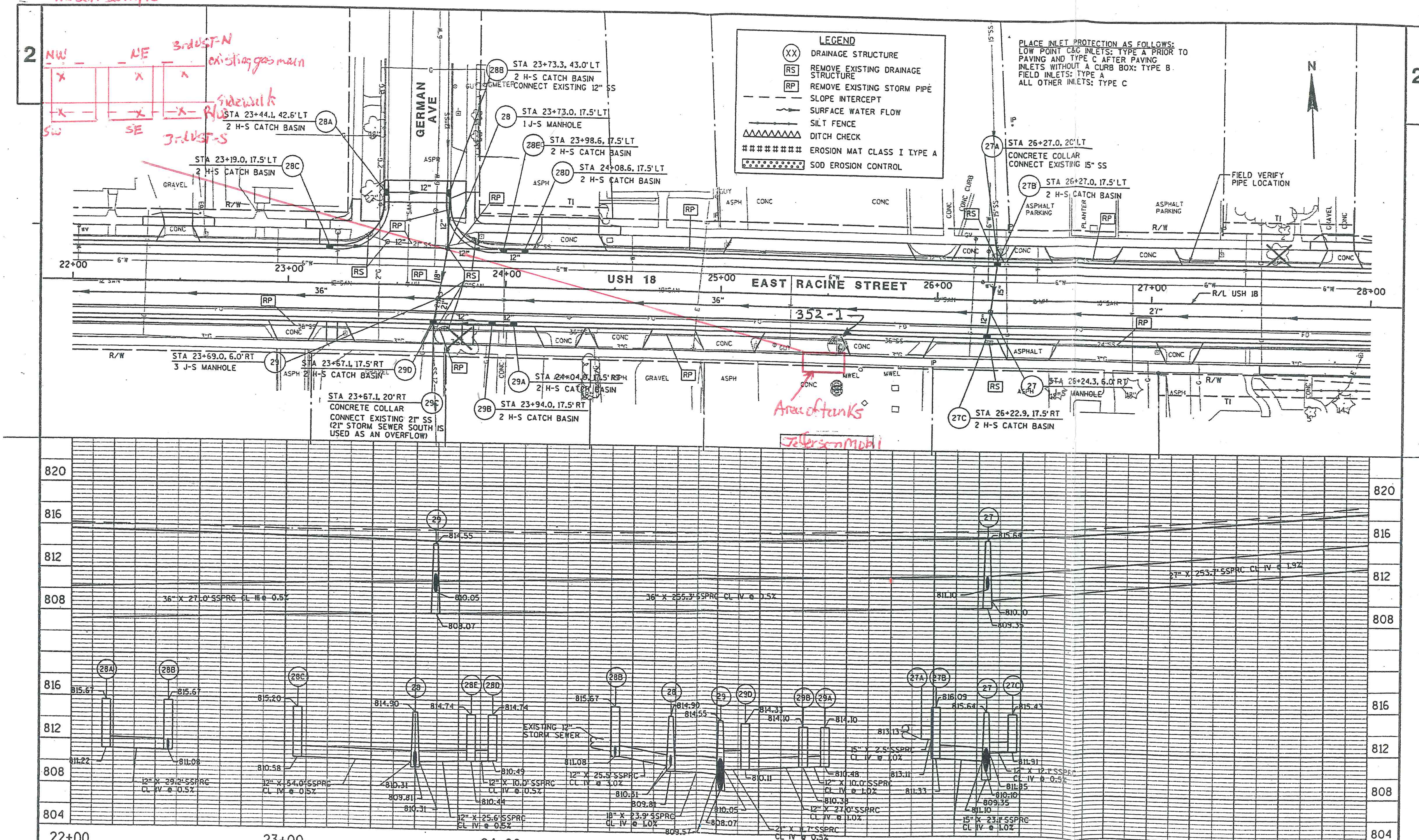
Table 1
Summary of Underground Storage Tank (UST) Sampling Results
WisDOT USH 18, Jefferson, Wisconsin
WisDOT ID# 3080-06-71

PARAMETERS	NR 720 RCL	SAMPLE IDENTIFICATION					
		NE	SE	NW	SW	3rd UST N	3rd UST S
Sample depth (feet bgs)	--	8	8	8	8	8	8
PID	--	5	11	25	5	2	3
DRO (mg/kg)	100	< 1.4	25	10	4.7	< 2.2	< 2.1
GRO (mg/kg)	100	< 2.6	< 3.0	52	13	< 3.1	< 3.1
Benzene (µg/kg)	5.5	< 25	< 25	< 25	< 25	< 25	< 25
Ethylbenzene (µg/kg)	2,900	< 25	< 25	140	41 Q	< 25	< 25
Methyl tert butyl ether (µg/kg)	--	< 25	< 25	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene (µg/kg)	--	55 Q	84	1200	290	< 25	< 25
1,3,5-Trimethylbenzene (µg/kg)	--	27 Q	53 Q	510	170	< 25	< 25
Toluene (µg/kg)	1,500	< 25	43 Q	59 Q	55 Q	< 25	< 25
Xylenes (total) (µg/kg)	4,100	< 75	154 Q	940	360	< 75	< 75

Notes:
RCL = Wisconsin Administrative Code Chapter NR 720 generic Residual Contaminant Level.
bgs = below surface grade.
PID = photoionization detector.
DRO = diesel range organics, milligrams per kilogram (mg/kg).
GRO = gasoline range organics, milligrams per kilogram (mg/kg).
-- = no RCL established.
Q = analyte detected between the Limit of Detection and Limit of Quantitation.

Note: USTs extend 14"-18" onto Jefferson Mobil property. Tanks are 64" diameter and 72" long.
X = Soil sample

Figure 1: Site Plan



2
NW
NE
3rd UST-N
existing gas main
Sidewalk
R/W
SW
SE
3rd UST-S
LEGEND
(XX) DRAINAGE STRUCTURE
[RS] REMOVE EXISTING DRAINAGE STRUCTURE
[RP] REMOVE EXISTING STORM PIPE
SLOPE INTERCEPT
SURFACE WATER FLOW
SILT FENCE
DITCH CHECK
EROSION MAT CLASS I TYPE A
SOD EROSION CONTROL
PLACE INLET PROTECTION AS FOLLOWS:
LOW POINT C&G INLETS: TYPE A PRIOR TO PAVING AND TYPE C AFTER PAVING
INLETS WITHOUT A CURB BOX: TYPE B
FIELD INLETS: TYPE A
ALL OTHER INLETS: TYPE C
N
GERMAN AVE
STA 23+73.3, 43.0'LT
2 H-S CATCH BASIN
CONNECT EXISTING 12" SS
STA 23+73.0, 17.5'LT
1 J-S MANHOLE
STA 23+44.1, 42.6'LT
2 H-S CATCH BASIN
STA 23+98.6, 17.5'LT
2 H-S CATCH BASIN
STA 23+19.0, 17.5'LT
2 H-S CATCH BASIN
STA 24+08.6, 17.5'LT
2 H-S CATCH BASIN
STA 26+27.0, 20'LT
CONCRETE COLLAR
CONNECT EXISTING 15" SS
STA 26+27.0, 17.5'LT
2 H-S CATCH BASIN
FIELD VERIFY PIPE LOCATION
USH 18
EAST RACINE STREET
R/L USH 18
352-1
STA 23+69.0, 6.0'RT
3 J-S MANHOLE
STA 23+67.1, 17.5'RT
2 H-S CATCH BASIN
STA 24+04.0, 17.5'RT
2 H-S CATCH BASIN
STA 23+67.1, 20'RT
CONCRETE COLLAR
CONNECT EXISTING 21" SS
(21" STORM SEWER SOUTH IS USED AS AN OVERFLOW)
STA 23+94.0, 17.5'RT
2 H-S CATCH BASIN
STA 26+24.3, 6.0'RT
3 J-S MANHOLE
STA 26+22.9, 17.5'RT
2 H-S CATCH BASIN
Area of tanks
Jefferson Mobil
22+00
23+00
24+00
25+00
26+00
27+00
28+00
36" X 27.0' SSPRC CL III @ 0.5%
36" X 255.3' SSPRC CL IV @ 0.5%
27" X 253.7' SSPRC CL IV @ 1.9%
12" X 29.2' SSPRC CL IV @ 0.5%
12" X 54.0' SSPRC CL IV @ 0.5%
12" X 10.0' SSPRC CL IV @ 0.5%
12" X 25.6' SSPRC CL IV @ 0.5%
EXISTING 12" STORM SEWER
12" X 25.5' SSPRC CL IV @ 3.0%
18" X 23.9' SSPRC CL IV @ 1.0%
21" X 4.7' SSPRC CL IV @ 0.5%
12" X 10.0' SSPRC CL IV @ 1.0%
12" X 27.0' SSPRC CL IV @ 1.0%
15" X 2.5' SSPRC CL IV @ 1.0%
12" X 12.1' SSPRC CL IV @ 0.5%
15" X 23.1' SSPRC CL IV @ 1.0%

PROJECT NO: 3080-06-71	HWY: USH 18	COUNTY: JEFFERSON	STORM SEWER / EROSION CONTROL	SHEET 32/32 E

FILE NAME : t:\1002707\sheets\storm\storm 71east\022503_ss.dgn PLOT DATE : 6/24/2005 PLOT BY : bes PLOT NAME :

Appendix A
Background Information

PHASE II ENVIRONMENTAL SITE EXPLORATION REPORT
JEFFERSON MOBILE
352 EAST RACINE STREET

EAST RACINE STREET (USH 18) RECONSTRUCTION
CENTER AVENE TO 1000 FEET EAST OF KRANZ AVENUE
CITY OF JEFFERSON
JEFFERSON COUNTY, WISCONSIN

WisDOT Project ID 3080-06-00
SES Project Number 101.34

Prepared By

Soils & Engineering Services, Inc.
1102 Stewart Street
Madison, Wisconsin 53713-4648
phone: (608) 274-7600
facsimile: (608) 274-7511
e-mail: soils@soils.ws

Craig M. Bower, P.E.

Submitted To Design Consultant

R. A. Smith & Associates, Inc.
Transportation Division
Brookfield, Wisconsin 53005-5938
phone: (262) 789-1777
facsimile: (262) 786-0826
e-mail: john.elkin@rasmith.com

Mr. John Elkin, Project Manager

December 29, 2005

Boring	Sample Number	Sample Depth (feet)	SES Sample Identification
352-1	2	2 to 4	352-1-1
	5	8 to 10	352-1-2

Please refer to Tables 1 and 2 on pages 8 and 9 for a summary of the laboratory test results. Table 1 presents the description of the symbols, notes, and print styles used in Table 2. Table 2 presents the summary for the individual soil samples obtained. Table 2 includes only those compounds detected in at least one sample for each of the borings and the applicable standards established by WDNR.[2] A copy of the *Analytical Report* dated December 12, 2005, from CT Laboratories, Inc. is included in Appendix B.

The laboratory analyses results of the two soil samples obtained from Boring 352-1 indicated the following:

- Boring 352-1
  - No concentration of GRO was detected for the soil sample from 2 to 4 feet of depth. A GRO concentration of 27 $^{mg}/_{kg}$ was detected for the soil sample from 8 to 10 feet of depth.
  - A DRO concentration of 8.3 $^{mg}/_{kg}$ was detected for the soil sample from 2 to 4 feet of depth. No concentration of DRO was detected for the soil sample from 8 to 10 feet of depth.
  - No concentration of PVOC was detected for the soil sample from 2 to 4 feet of depth. Concentrations of the PVOC compounds ethylbenzene (0.18 $^{mg}/_{kg}$), 1,2,4-trimethylbenzene (0.63 $^{mg}/_{kg}$), and m-& p-xylene (0.16 $^{mg}/_{kg}$) were detected for the soil sample from 8 to 10 feet of depth.
  - No concentrations of Total Cadmium were detected.
  - Total Lead concentrations detected were 39.0 and 3.9 $^{mg}/_{kg}$.

VIII. CONCLUSIONS

Based on our review of the information collected during this Phase II Environmental Site Exploration, we offer the following comments regarding **Jefferson Mobile**.

- The property is currently used as a gasoline/convenience store.
- Perched groundwater was encountered by Boring 352-1 at elevation 807.0 feet.
- Soil Sample Results.
  - Field screening of soil samples recovered were 1.4 equivalent units of isobutylene.

Table 1: Definitions of symbols, notes, and print styles used in Table 2

Symbols	
†	Only compounds detected in at least one sample are listed. All other compounds in the analysis scan list were not detected above the limit of detection.
L	Significant peaks were detected outside the chromatographic window.
Q	Laboratory Control Sample outside acceptance limits.
—	A specific RCL has not been established by the WDNR.

Notes	
<111>	Values in brackets represent results between the LOD and the LOQ.
<111	Values with less than sign (<) indicate a compound that was not detected above the LOD for soil.

Print Styles	
Soil Samples	
1.2	indicates concentration of listed compound detected.
52	indicates concentration of listed compound at or above RCL limit or Non-Industrial limit.
693	indicates concentration of listed compound at or above Industrial limit.

- No GRO concentration was detected on the soil sample from 2 to 4 feet of depth. A trace GRO concentration was detected on the soil sample from 8 to 10 feet of depth that is below the RCL.
- A trace DRO concentration was detected on the soil sample from 2 to 4 feet of depth that is below the RCL. No DRO concentration was detected on the soil sample from 8 to 10 feet of depth.
- No PVOC concentration was detected on the soil sample from 2 to 4 feet of depth. Trace concentrations of PVOC compounds ethylbenzene, 1,2,4-trimethylbenzene, and m-& p-xylene were detected on the soil sample soil sample from 8 to 10 feet of depth that are below the RCL.
- No concentration of Total Cadmium was detected for the soil samples submitted for chemical analyses.
- Total Lead concentrations were detected for the soil samples submitted for chemical analyses that are below the Non-Ind and Ind limits.

Table 2: Summary of the chemical analyses results of soil samples.

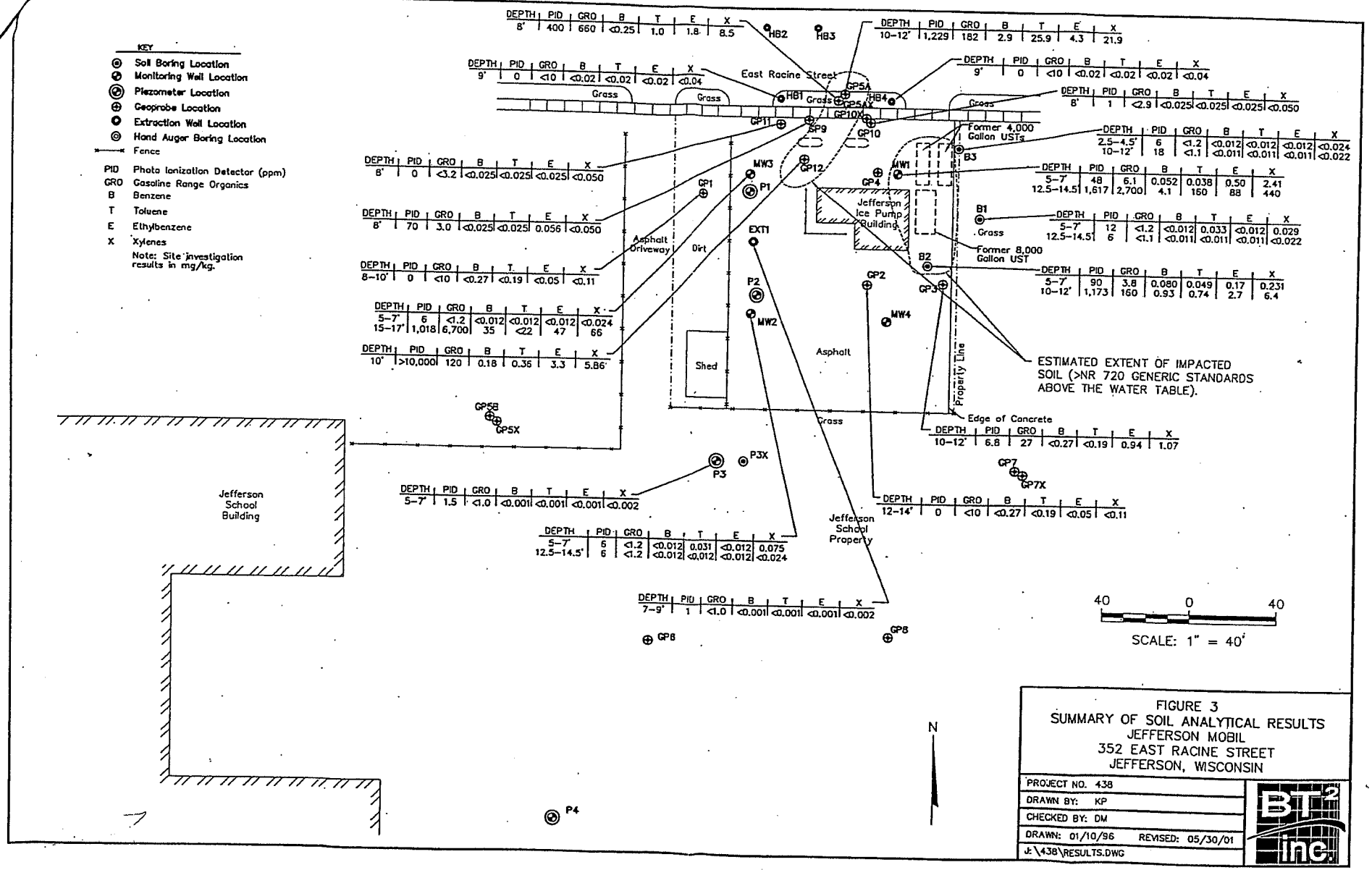
Chemical Compound †	SES Sample Identification				WDNR Limits	
	352-1-1	352-1-2				
Sample Acquisition Date	11/28/2005	11/28/2005				
Laboratory Received Date	11/30/2005	11/30/2005				
Miscellaneous analyses. Results in percent of dry weight.						
Total Solids	82.0	86.3			—	
Moisture Content	18.0	14.3			—	
Total Metals analyses. Results in $^{mg}/_{kg}$.					Non-Ind	Ind
Lead	**39.0**	**3.9**			50	500
GRO and DRO analyses. Results in $^{mg}/_{kg}$.					RCL	
DRO	**8.3** L,Q	<2.3 L,Q			100	
GRO	<1.5	**27** L			100	
Volatile Organic Compounds (VOC) analyses. Results in $^{mg}/_{kg}$.					RCL	
Ethylbenzene	<0.025	**0.18**			2.900	
1,2,4-Trimethylbenzene	<0.025	0.63			—	
m- & p-Xylene	<0.025	0.16				
o-Xylene	<0.025	<0.025			4.100	

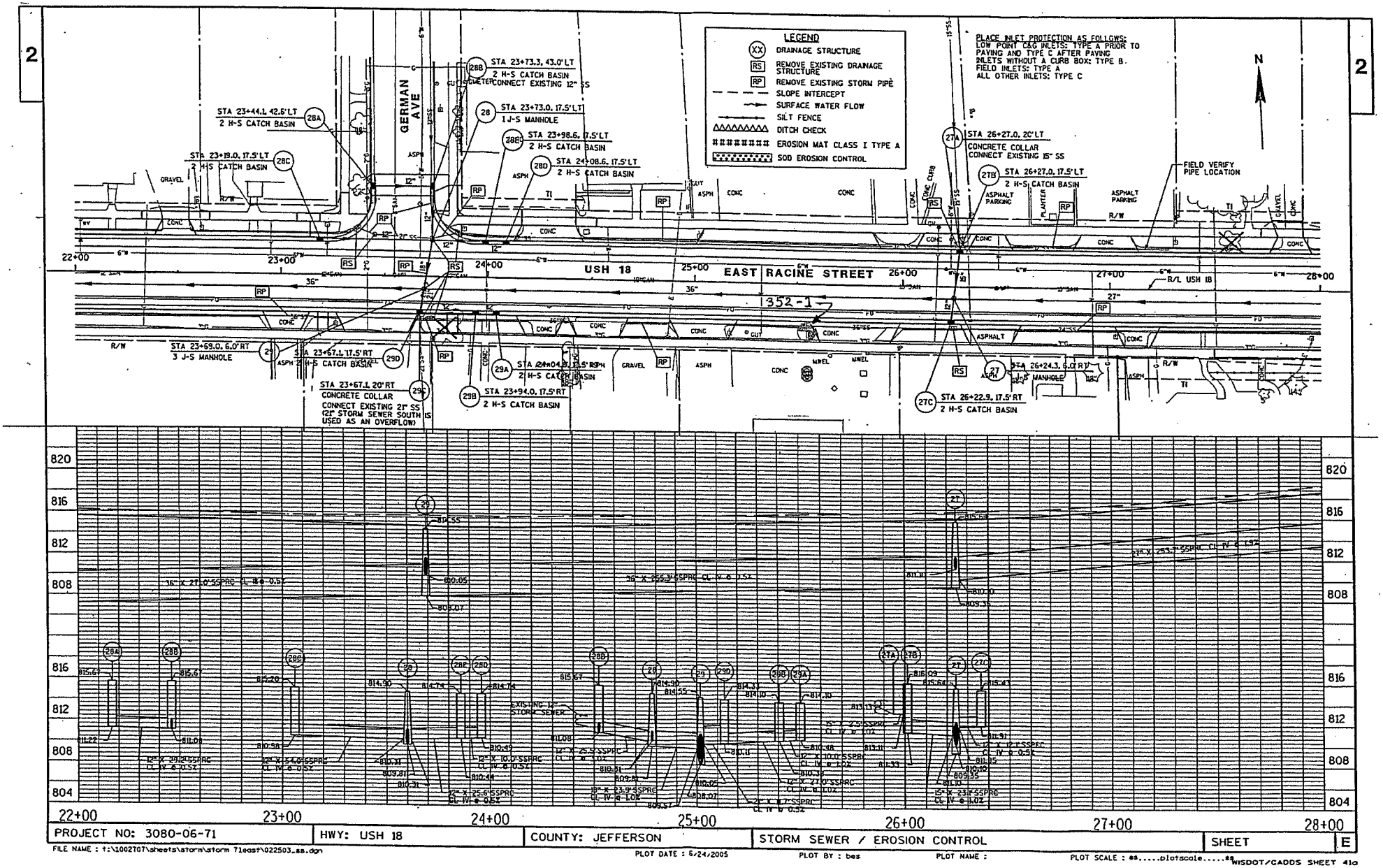
Definitions of symbols, notes, and print styles used in this table are defined above in Table 1 on page 8 and in the Definitions of Acronyms on page iii.

- Groundwater Sample Results
  A sample of the perched groundwater could not be obtained due to insufficient quantity and recharge capability of the saturated soils penetrated by the boring performed.

IX. RECOMMENDATIONS

The information obtained for this *Phase II Environmental Site Exploration Report* indicated that the soil is contaminated with petroleum products at **Jefferson Mobile**. A trace amount of GRO and PVOC was detected in the soil sample from a depth of 8 to 10


KEY
Soil Boring Location
Monitoring Well Location
Piezometer Location
Geoprobe Location
Extraction Well Location
Hand Auger Boring Location
Fence
PID Photo Ionization Detector (ppm)
GRO Gasoline Range Organics
B Benzene
T Toluene
E Ethylbenzene
X Xylenes
Note: Site investigation results in mg/kg.
East Racine Street
Grass
Asphalt Driveway
Dirt
Jefferson Ice Pump Building
Former 4,000 Gallon USTs
Former 8,000 Gallon UST
Shed
Asphalt
Property Line
Edge of Concrete
Jefferson School Building
Jefferson School Property
ESTIMATED EXTENT OF IMPACTED SOIL (>NR 720 GENERIC STANDARDS ABOVE THE WATER TABLE).
40 0 40
SCALE: 1" = 40'
N
FIGURE 3
SUMMARY OF SOIL ANALYTICAL RESULTS
JEFFERSON MOBIL
352 EAST RACINE STREET
JEFFERSON, WISCONSIN
PROJECT NO. 438
DRAWN BY: KP
CHECKED BY: DM
DRAWN: 01/10/96 REVISED: 05/30/01
J:\438\RESULTS.DWG
BT2 inc.



PROJECT NO: 3080-06-71	HWY: USH 18	COUNTY: JEFFERSON	STORM SEWER / EROSION CONTROL	SHEET	E

FILE NAME : t:\1002707\sheets\storm\storm 71east\022503_ss.dgn
PLOT DATE : 6/24/2005
PLOT BY : bes
PLOT NAME :
PLOT SCALE : 48.....plotscale.....48
WISDOT/CADDS SHEET 41a

9/9

UNDERGROUND POWER CORPORATION

Excavation Work – Environmental Services - Transportation

PO Box 373
Franksville, WI 53126

262-835-9500
fax 262-835-0977

February 4, 2008

Dan Haak
RMT, Inc.
744 Heartland Trail
Madison, WI 53717
Ph: 608.831.4444
Fax: 608.831.3334

Dear Mr. Haak:

Two one thousand gallon underground storage tanks which were located at 352 East Racine Street, Jefferson, WI were taken to Waukesha Steel and Iron, Waukesha, WI for disposal.

Tage George
Underground Power Corporation

UNDERGROUND POWER CORPORATION

Excavation Work – Environmental Services - Transportation

PO Box 373
Franksville, WI 53126

262-835-9500
fax 262-835-0977

February 11, 2008

Dan Haak
RMT, Inc.
744 Heartland Trail
Madison, WI 53717
Ph: 608.831.4444
Fax: 608.831.3334

Dear Mr. Haak:

One (1) one thousand gallon underground storage tank, which was located at 352 East Racine Street, Jefferson, WI, was taken to Waukesha Steel and Iron, Waukesha, WI for disposal.

Tage George
Underground Power Corporation

2/2

Appendix C
Tank Closure Checklist

Complete one form for each site closure.

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

CHECKLIST FOR TANK CLOSURE

CHECK ONE:
- [x] 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

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☐ Tank System ☒ Tank Only ☐ Piping Only

1. Site Name: US H18 R/W		2. Owner Name: Wisc DOT	
Site Street Address (not P.O. Box): Ad Jacent To 252 E. Main		Owner Street Address: 4802 Sheboygan Ave	
☒ City ☐ Village ☐ Town of: Jefferson		☒ City ☐ Village ☐ Town of: Madison	State: WI / Zip Code: 53707
State: Wisc / Zip Code: 53549	County: Jefferson	County: Dane	Telephone No. (include area code): (608) 266-7980
3. Closure Company Name (print): National Tank Service		Closure Company Street Address: 1813 S. 73rd St	
Closure Company Telephone No. (include area code): (414) 257-0030		Closure Company City, State, Zip Code: West Allis, WI 53214	
4. Name of Company Performing Closure Assessment: RMT		Assessment Company Street Address, City, State, Zip Code: 744 Heartland Trail Madison WI 53717	
Telephone No. (include area code): (608) 831-4444	Certified Assessor Name (print): Dan Haak	Assessor Signature: Dan Haak	Assessor Certification No.: 68396

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1. N/A	☒	☐	☐	1000	Leaded	☒ Y ☐ N
2. N/A	☒	☐	☐	1000	Leaded	☒ Y ☐ N
3	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N

* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) ________ and CAS number(s) ________ ________ ________; Other ________.

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

Check applicable box at right in response to all statements in Sections B-E.

B. ☐ 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	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y	☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y	☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y	☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y	☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y	☐ N	☐	☐
5. Vent lines left open.	☐ Y	☐ N	☐	☐
6. Inventory form filed indicating Temporary-Out-Of-Service (TOS) closure.	☐ Y	☐ N		☐

C. ☒ CLOSURE BY REMOVAL

	Remover Verified		Inspector Verified	NA
1. Product from piping drained into tank (or other container).	☐ Y	☐ N	☒	☒
2. Piping disconnected from tank and removed.	☐ Y	☐ N	☒	☒
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☒ Y	☐ N	☒	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☒ Y	☐ N	☒	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☒ Y	☐ N	☐	☒
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.				
6. Vent lines left connected until tanks purged	☒ Y	☐ N	☒	
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y	☐ N	☒	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☒ Y	☐ N	☒	☐
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	☒ Y	☐ N	☒	☒
10. Tank cleaned before being removed from site.	☒ Y	☐ N	☐	☐

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- CONTINUE ON NEXT PAGE -

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11. Tank labeled in 2" high letters after removal but before being moved from site. ☒Y ☐N ☐ ☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.
12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site. ☒Y ☐N ☐ ☐
13. Site security is provided while the excavation is open. ☐Y ☐N ☐ ☒

D. ☐ CLOSURE IN PLACE
NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.
1. Product from piping drained into tank (or other container). ☐Y ☐N ☐ ☐
2. Piping disconnected from tank and removed. ☐Y ☐N ☐ ☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. ☐Y ☐N ☐ ☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded. ☐y ☐N ☐ ☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. ☐Y ☐N ☐ ☐
NOTE: Refer to section E for method of vapor freeing the tank
6. Vent lines left connected until tanks purged. ☐Y ☐N ☐ ☐
7. Tank openings temporarily plugged so vapors exit through vent. ☐Y ☐N ☐ ☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F. ☐Y ☐N ☐ ☐
9. Tank properly cleaned to remove all sludge and residue. ☐Y ☐N ☐ ☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled. ☐Y ☐N ☐ ☐
11. Vent line disconnected or removed. ☐Y ☐N ☐ ☐
12. Inventory form filed by owner with the Department of Commerce indicating closure in place. ☐Y ☐N ☐ ☐

E. METHOD OF VAPOR FREEING TANK
☐ Displacement of vapors by Eductor or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.
☐ Inert Gas using Dry Ice or Liquid Carbon Dioxide
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area.
☐ 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.

F. CLOSURE ASSESSMENTS — Remover Verified / Inspector Verified
NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.
1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site. ☒Y ☐N ☒Y ☐N
2. Do points of obvious contamination exist? Surface to tank top: ☐Y ☒N Within tank excavation: ☒Y ☐N Piping: ☒Y ☐N
3. Was a field screening instrument used to pre-screen soil sample locations? ☒Y ☐N ☒Y ☐N
4. Was the DNR notified of suspected or obvious contamination? ☒Y ☐N ☒Y ☐N
Agency, office and person contacted: Randy Mace
5. Contamination suspected because of: ☒Odor ☒Soil Staining ☐Free Product ☐Sheen on Groundwater ☒Field Instrument Test

G. ☒ Form ERS-7437 or ☐ ERS-8731 filed by owner with the Dept. of Commerce indicating closure. ☐Yes ☐No

H. NOTE SPECIFIC CLOSURE PROBLEMS OR CONCERNS BELOW
[illegible handwriting]

I. REMOVER/CLEANER INFORMATION

Brian James	[signature]	42742	1/23/08
Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed

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

J. INSPECTOR INFORMATION

[illegible]	[signature]	[illegible]	
Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:

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

TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

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

Complete one form for each site closure.

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

CHECKLIST FOR TANK CLOSURE

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

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☐ Tank System ☐ Tank Only ☐ Piping Only

1. Site Name	2. Owner Name
Site Street Address (not P.O. Box)	Owner Street Address
☒ City ☐ Village ☐ Town of:	☐ City ☐ Village ☐ Town of:
State / Zip Code / County	State / Zip Code / County
3. Closure Company Name (print)	Closure Company Street Address
Closure Company Telephone No. (include area code)	Closure Company City, State, Zip Code
4. Name of Company Performing Closure Assessment	Assessment Company Street Address, City, State, Zip Code
Telephone No. (include area code)	Certified Assessor Name (print) / Assessor Signature / Assessor Certification No.

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1.	☒	☐	☐			☐ Y ☐ N
2.	☐	☐	☐			☐ Y ☐ N
3	☐	☐	☐			☐ Y ☐ N
4.	☐	☐	☐			☐ Y ☐ N

* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) _____ and CAS number(s) _____ _____ _____; Other _____.

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

Check applicable box at right in response to all statements in Sections B-E.

B. ☐ 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	☐	☐
b. All product removed to bottom of suction line, OR	☐ Y ☐ N	☐	☐
c. All product removed to within 1" of bottom.	☐ Y ☐ N	☐	☐
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐ Y ☐ N	☐	☐
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐ Y ☐ N	☐	☐
4. Dispensers/pumps left in place but locked and power disconnected.	☐ Y ☐ N	☐	☐
5. Vent lines left open.	☐ Y ☐ N	☐	☐
6. Inventory form filed indicating Temporary-Out-Of-Service (TOS) closure.	☐ Y ☐ N		☐

C. ☒ CLOSURE BY REMOVAL				
1. Product from piping drained into tank (or other container).	☒ Y	☐ N	☐	☐
2. Piping disconnected from tank and removed.	☐ Y	☐ N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐ Y	☐ N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐ Y	☐ N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.....	☐ Y	☐ N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.				
6. Vent lines left connected until tanks purged	☒ Y	☐ N	☐	
7. Tank openings temporarily plugged so vapors exit through vent.	☒ Y	☐ N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section E.	☒ Y	☐ N	☐	☐
9. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☐ Y	☐ N	☐	☐
10. Tank cleaned before being removed from site.	☐ Y	☐ N	☐	☐

- CONTINUE ON NEXT PAGE -

11. Tank labeled in 2" high letters after removal but before being moved from site. ☑Y ☐N ☐ ☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.
12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site. ☑Y ☐N ☐ ☐
13. Site security is provided while the excavation is open. ☑Y ☐N ☐ ☐

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

1. Product from piping drained into tank (or other container). ☐Y ☐N ☐ ☐
2. Piping disconnected from tank and removed. ☐Y ☐N ☐ ☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. ☐Y ☐N ☐ ☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded. ☐y ☐N ☐ ☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. ☐Y ☐N ☐ ☐
NOTE: Refer to section E for method of vapor freeing the tank
6. Vent lines left connected until tanks purged. ☐Y ☐N ☐ ☐
7. Tank openings temporarily plugged so vapors exit through vent. ☐Y ☐N ☐ ☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F. ☐Y ☐N ☐ ☐
9. Tank properly cleaned to remove all sludge and residue. ☐Y ☐N ☐ ☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled. ☐Y ☐N ☐ ☐
11. Vent line disconnected or removed. ☐Y ☐N ☐ ☐
12. Inventory form filed by owner with the Department of Commerce indicating closure in place. ☐Y ☐N ☐ ☐

E. METHOD OF VAPOR FREEING TANK

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

☐ Inert Gas using Dry Ice or Liquid Carbon Dioxide
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area.

☐ 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.

F. CLOSURE ASSESSMENTS

	Remover Verified	Inspector Verified
NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.		
1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☑Y ☐N	☐Y ☐N
2. Do points of obvious contamination exist? Surface to tank top: ☐Y ☒N Within tank excavation: ☑ Y	☐ N Piping:	☐Y ☐N
3. Was a field screening instrument used to pre-screen soil sample locations?	☑Y ☐N	☐Y ☐N
4. Was the DNR notified of suspected or obvious contamination?	☑Y ☐N	☐Y ☐N
Agency, office and person contacted: Rod/Diane		

5. Contamination suspected because of: ☒Odor ☒Soil Staining ☐Free Product ☐Sheen on Groundwater ☒Field Instrument Test

G. ☐ Form ERS-7437 or ☐ ERS-8731 filed by owner with the Dept. of Commerce indicating closure. ☐Yes ☐No

H. NOTE SPECIFIC CLOSURE PROBLEMS OR CONCERNS BELOW

I. REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
[illegible]	[signature]	[illegible]	[illegible]

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

J. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:
NO INSPECTOR FROM JIL WAS AT SITE			[illegible]

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

TANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

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

Appendix D
Tank Inventory Forms

TDID#:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

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

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

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

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

A. IDENTIFICATION (Please Print)

1. Tank Site Name: USH 18 R/W
Site Street Address: adjacent to 352 E Racine Jefferson, WI
Site Telephone Number: ( )
☒ City ☐ Village ☐ Town of: Jefferson
State: WISCONSIN
Zip Code:
County: Jefferson

2. Tank Owner Name: WisDOT
Mailing Address: 4802 Sheboygan Ave
Telephone Number: (608) 266-7980
☒ City ☐ Village ☐ Town of: Madison
State: WI
Zip Code: 53707
County: Dane

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

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

C. Tank Capacity (gallons): 1000
Tank Age (age or date installed): UNKNOWN
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:) WIS D.O.T

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 (specify):
☐ Operational - Provide Date (mo./day/yr.): _____ CARB #: _____

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☒ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene
☒ Waste/Used Motor Oil ☐ New 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): 1/23/08
Has a site assessment been completed? (see reverse side for details) ☒ Yes ☐ No

Tank Owner Name (please print):
Wisconsin DOT

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)
Robert Keam - WisDOT Hazmat Program
Date 2-12-08

ER-7437 (R 11/05) Note: Refer to comments on reverse side of form.

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TDID#:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

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

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

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

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

A. IDENTIFICATION (Please Print)

1. Tank Site Name: USH 18 R/W
☒ City ☐ Village ☐ Town of: Jefferson
Site Street Address: adjacent to 352 E. Racine
State: WISCONSIN Zip Code:
Site Telephone Number: ( )
County: Jefferson

2. Tank Owner Name: WisDOT
☒ City ☐ Village ☐ Town of: Madison
Mailing Address: 4802 Sheboygan Avenue
State: WI Zip Code: 53707
Telephone Number: (608) 266-7980
County: Dane

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

B. Site ID #: **Facility ID #:** **Customer ID #:**

C. Tank Capacity (gallons): 1000 Tank Age (age or date installed): Unknown 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:) Wis D.O.T.

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 (specify):
☐ Operational - Provide Date (mo./day/yr.): ______ CARB #: ______

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☒ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene
☒ Waste/Used Motor Oil ☐ New 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): 1/23/08

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

Tank Owner Name (please print): Wisconsin DOT

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) [signature] – WisDOT [signature]

Date 2-12-08

ER-7437 (R 11/05) Note: Refer to comments on reverse side of form.

2

TDID#:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

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

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

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

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

A. IDENTIFICATION (Please Print)

1. Tank Site Name: USH 18 R/W
☒ City ☐ Village ☐ Town of: Jefferson
Site Street Address: adjacent to 352 E Racine
State: WISCONSIN Zip Code:
Site Telephone Number: ( )
County: Jefferson

2. Tank Owner Name: WisDOT
☒ City ☐ Village ☐ Town of: Madison
Mailing Address: 4802 Sheboygan Avenue
State: WI Zip Code: 53707
Telephone Number: (608) 266-7980
County: Dane

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

B. Site ID #: **Facility ID #:** **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 (specify):
☐ Operational - Provide Date (mo./day/yr.): ______ CARB #: ______

N. TANK CONTENTS (Current, or previous product (if tank now empty))
☒ Leaded ☐ Unleaded ☐ Gasohol ☐ E85 ☐ Diesel ☐ Bio-diesel ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene
☐ Waste/Used Motor Oil ☐ New 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): 1-31-2008

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

Tank Owner Name (please print): Wisconsin DOT

Tank Owner Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.) [signature] - WisDOT [illegible] Program

Date 2-12-08

ERS-7437 (R 11/06) Note: Refer to comments on reverse side of form.

3/3

Appendix E
Laboratory Analytical Report

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 892877

Client: RMT - MADISON

Lab Contact: Tod Noltemeyer

Project Name: USH18-JEFFERSON MOBIL

Project Number: 10890.02

Lab Sample Number	Field ID	Matrix	Collection Date
892877-001	NE	SOIL	01/23/08 11:50
892877-002	SE	SOIL	01/23/08 11:55
892877-003	NW	SOIL	01/23/08 12:00
892877-004	SW	SOIL	01/23/08 12:05

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

ACCREDITED IN ACCORDANCE WITH nelac

Approval Signature

2/8/08
Date

1/21

Pace Analytical Services, Inc.

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

Analytical Report Number: 892877

Client : RMT - MADISON
Project Name : USH18-JEFFERSON MOBIL
Project Number : 10890.02
Field ID : NE

Matrix Type : SOIL
Collection Date : 01/23/08
Report Date : 02/06/08
Lab Sample Number : 892877-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	94.7				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/06/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 01/30/08 12:03 PM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	< 1.4			1.4	1	mg/kg	O	01/30/08 2:00 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	< 2.6			2.6	50	mg/Kg		01/30/08 5:15 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	55	26	63		50	ug/Kg	Q	01/30/08 5:15 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	27	26	63		50	ug/Kg	Q	01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Toluene	< 25	25	60		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 50	50	120		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Xylene, o	< 25	25	60		50	ug/Kg		01/30/08 5:15 PM	SW846 5030B	SW846 8021B
Surrogate		LCL	UCL							
a,a,a-Trifluorotoluene	105	80	119		1	%		01/30/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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

Analytical Report Number: 892877

Client : RMT - MADISON
Project Name : USH18-JEFFERSON MOBIL
Project Number : 10890.02
Field ID : SE

Matrix Type : SOIL
Collection Date : 01/23/08
Report Date : 02/06/08
Lab Sample Number : 892877-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	84.5				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/06/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 01/30/08 12:03 PM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	25			1.6	1	mg/kg	O	01/30/08 6:53 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	< 3.0			3.0	50	mg/Kg		01/30/08 5:40 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	84	30	71		50	ug/Kg		01/30/08 5:40 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	53	30	71		50	ug/Kg	Q	01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 25	25	60		50	ug/Kg		01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Toluene	43	30	71		50	ug/Kg	Q	01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Xylene, m + p	110	59	140		50	ug/Kg	Q	01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Xylene, o	44	30	71		50	ug/Kg	Q	01/30/08 5:40 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**							
a,a,a-Trifluorotoluene	105	80	119		1	%		01/30/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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

Analytical Report Number: 892877

Client : RMT - MADISON
Project Name : USH18-JEFFERSON MOBIL
Project Number : 10890.02
Field ID : NW

Matrix Type : SOIL
Collection Date : 01/23/08
Report Date : 02/06/08
Lab Sample Number : 892877-003

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	90.6				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/06/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 01/30/08 12:03 PM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	10			1.6	1	mg/kg		01/30/08 6:27 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	52			2.8	50	mg/Kg		01/30/08 6:31 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	1200	28	66		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	510	28	66		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Ethylbenzene	140	28	66		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Toluene	59	28	66		50	ug/Kg	Q	01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Xylene, m + p	600	55	130		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Xylene, o	340	28	66		50	ug/Kg		01/30/08 6:31 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**							
a,a,a-Trifluorotoluene	107	80	119		1	%		01/30/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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

Analytical Report Number: 892877

Client : RMT - MADISON
Project Name : USH18-JEFFERSON MOBIL
Project Number : 10890.02
Field ID : SW

Matrix Type : SOIL
Collection Date : 01/23/08
Report Date : 02/06/08
Lab Sample Number : 892877-004

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	91.8				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/06/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 01/30/08 12:03 PM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	4.7			1.5	1	mg/kg	O	01/30/08 6:00 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	13			2.7	50	mg/Kg		01/30/08 6:05 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 01/29/08 7:08 AM Anl By: PMS

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	290	27	65		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	170	27	65		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Ethylbenzene	41	27	65		50	ug/Kg	Q	01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Toluene	55	27	65		50	ug/Kg	Q	01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Xylene, m + p	250	54	130		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Xylene, o	110	27	65		50	ug/Kg		01/30/08 6:05 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**							
a,a,a-Trifluorotoluene	106	80	119		1	%		01/30/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical
Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
892877-002	DRO-S	SE	Front eluting peaks and late eluting hump were present in the chromatogram.
892877-003	DRO-S	NW	Front eluting peaks and late eluting hump were present in the chromatogram.
892877-003	GRO-S-ME	NW	Late eluting peaks were present outside the window of analysis.
892877-004	DRO-S	SW	Front eluting peaks and late eluting hump were present in the chromatogram.
892877-004	GRO-S-ME	SW	Late eluting peaks were present outside the window of analysis.

Qualifier Codes

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

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302

Analysis Summary by Laboratory

Test Group Name	892877-001	892877-002	892877-003	892877-004
DIESEL RANGE ORGANICS	B	B	B	B
GASOLINE RANGE ORGANICS	G	G	G	G
PERCENT SOLIDS	B	B	B	B
PVOC	G	G	G	G

Code	WI Certification
B	405132750 / DATCP: 105-444
G	405132750

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 892877
Lab Section: DIESEL
QC Batch Number: 28488
Prep Method: WI MOD DRO
Analytical Method: WI MOD DRO

QC Type	Client Sample ID	Lab Sample ID
MB	SD2406-005MB	SD2406-005MB
LCS	SD2406-005MBLCS	SD2406-005MBLCS
LCSD	SD2406-005MBLCSD	SD2406-005MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
NE	892877-001	MB	SE	892877-002	MB
NW	892877-003	MB	SW	892877-004	MB

Test Name	Method Blank Result Conc		LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Diesel Range Organics	<	0.84	25.0	23.6	94		25.0	21.7	87		8.5		70	120	20	---	---	---	---			---	---			---		---	---	---

Conc = mg/kg unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/6/2008
QC Batch Number: 28488

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 892877
Lab Section: GAS
QC Batch Number: 28457
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2353-83MB	GG2353-83MB
LCS	GG2353-83MBLCS	GG2353-83MBLCS
LCSD	GG2353-83MBLCSD	GG2353-83MBLCSD

Client Sample ID	Lab Sample ID	MB ID	Client Sample ID	Lab Sample ID	MB ID
NE	892877-001	MB	SE	892877-002	MB
NW	892877-003	MB	SW	892877-004	MB

Test Name		Method Blank Result Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD	%	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD	%	C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,2,4-Trimethylbenzene	<	25	1000.0	1124.8	112		1000.0	1132.3	113		0.7			85	122	20	---	---	---	---	---		---	---	---		---			---	---	---
1,3,5-Trimethylbenzene	<	25	1000.0	1146.9	115		1000.0	1154.8	115		0.7			85	123	20	---	---	---	---	---		---	---	---		---			---	---	---
Benzene	<	25	1000.0	1036	104		1000.0	1038.6	104		0.3			85	115	20	---	---	---	---	---		---	---	---		---			---	---	---
Ethylbenzene	<	25	1000.0	1096.4	110		1000.0	1106.3	111		0.9			85	118	20	---	---	---	---	---		---	---	---		---			---	---	---
Gasoline Range Organics	<	1.3	10	8.7	87		10	8.4	84		2.5			80	120	20	---	---	---	---	---		---	---	---		---			---	---	---
Methyl-tert-butyl-ether	<	25	1000	960.6	96		1000	958.9	96		0.2			84	116	20	---	---	---	---	---		---	---	---		---			---	---	---
Toluene	<	25	1000.0	1073.5	107		1000.0	1078.5	108		0.5			85	117	20	---	---	---	---	---		---	---	---		---			---	---	---
Xylene, m + p	<	25	2000.0	2164.9	108		2000.0	2182	109		0.8			85	119	20	---	---	---	---	---		---	---	---		---			---	---	---
Xylene, o	<	25	1000.0	1067.4	107		1000.0	1075.9	108		0.8			85	119	20	---	---	---	---	---		---	---	---		---			---	---	---
a,a,a-Trifluorotoluene		102%	---	---	104		---	---	105		---			80	119	---	---	---	---	---	---		---	---	---		---			---	---	---

Conc = mg/Kg unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/6/2008
QC Batch Number: 28457

Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 892877

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other _____

Optional: Proj. Due Date: Proj. Name:

Tracking #: _____

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature NA Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: BS 1-25-08 CF 1-25-08

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☒N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: DRO volume rec'd in 4oz ag containers un-tared. 1-25-08 cf

Project Manager Review: AH **Date:** 2/8/08

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

Pace Analytical®
www.pacelabs.com

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

1 cy

COC No. 013071

CHAIN OF CUSTODY

*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:	RMT
Branch/Location:	madison
Project Contact:	Dan Haak
Phone:	(608) 831 4444
Project Number:	10890.02
Project Name:	USH18-Jefferson mail
Project State:	WI
Sampled By (Print):	Dan Haak
Sampled By (Sign):	Dan Haak
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Dan Haak
Mail To Company:	RMT
Mail To Address:	744 Heartland Trail Madison, WI 53717
Invoice To Contact:	Accounts Payable
Invoice To Company:	same
Invoice To Address:	
Invoice To Phone:	(608) 831 4444

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	DRO	GRO/PVOCs	Dry weight	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	NE	1/24/08	11:50	S	N	A	X	X	X		1-40ml, 2-4oz	
002	SE	"	11:55	"	"	"	X	X	X		↓	
003	NW	"	12:00	"	"	"	X	X	X			
004	SW	↓	12:05	↓	↓	↓	X	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:	dan.haak@rmtinc.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dan Haak	1/24/08 8:00	D. Fraund	1/25/08 0822
	1/25/08 1040	D. Mueller	1/25/08 10:40
D. Mueller	1/25/08 13:55		1-25-08 1355

PACE Project No. 8928774

Receipt Temp = [illegible]

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 893064

Client: RMT - MADISON
Lab Contact: Tod Noltemeyer
Project Name: USH18 - JEFFERSON MOBIL
Project Number: 10890.03

Lab Sample Number	Field ID	Matrix	Collection Date
893064-001	3RD UST-N	SOIL	01/31/08 10:25
893064-002	3RD UST-S	SOIL	01/31/08 10:30

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc..

Tod Noltemeyer
Approval Signature

2/12/08
Date

Pace Analytical Services, Inc.

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

Analytical Report Number: 893064

Client : RMT - MADISON
Project Name : USH18 - JEFFERSON MOBIL
Project Number : 10890.03
Field ID : 3RD UST-N

Matrix Type : SOIL
Collection Date : 01/31/08
Report Date : 02/12/08
Lab Sample Number : 893064-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	81.5				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/05/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 02/07/08 7:09 AM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	< 2.2			2.2	1	mg/kg		02/07/08 6:38 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 02/06/08 6:44 AM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	< 3.1			3.1	50	mg/Kg		02/06/08 5:08 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 02/06/08 6:44 AM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Toluene	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 50	50	120		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Xylene, o	< 25	25	60		50	ug/Kg		02/06/08 5:08 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**							
a,a,a-Trifluorotoluene	101	80	119		1	%		02/06/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Pace Analytical Services, Inc.

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

Analytical Report Number: 893064

Client : RMT - MADISON
Project Name : USH18 - JEFFERSON MOBIL
Project Number : 10890.03
Field ID : 3RD UST-S

Matrix Type : SOIL
Collection Date : 01/31/08
Report Date : 02/12/08
Lab Sample Number : 893064-002

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Percent Solids	81.7				1	%		02/06/08	SM M2540G	SM M2540G
								Prep Date/Time: 02/05/08		Anl By: GW

DIESEL RANGE ORGANICS

Prep Date/Time: 02/07/08 7:09 AM Anl By: rc

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Diesel Range Organics	< 2.1			2.1	1	mg/kg		02/07/08 7:04 PM	WI MOD DRO	WI MOD DRO

GASOLINE RANGE ORGANICS

Prep Date/Time: 02/06/08 6:44 AM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
Gasoline Range Organics	< 3.1			3.1	50	mg/Kg		02/06/08 5:34 PM	WI MOD GRO	WI MOD GRO

PVOC

Prep Date/Time: 02/06/08 6:44 AM Anl By: SES

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date/Time	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Benzene	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Ethylbenzene	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Toluene	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Xylene, m + p	< 50	50	120		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Xylene, o	< 25	25	60		50	ug/Kg		02/06/08 5:34 PM	SW846 5030B	SW846 8021B
Surrogate		**LCL**	**UCL**							
a,a,a-Trifluorotoluene	102	80	119		1	%		02/06/08	SW846 5030B	SW846 8021B

All soil results are reported on a dry weight basis unless otherwise noted.

Qualifier Codes

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

Test Group Name	893064-001	893064-002
DIESEL RANGE ORGANICS	B	B
GASOLINE RANGE ORGANICS	G	G
PERCENT SOLIDS	B	B
PVOC	G	G

Code	WI Certification
B	405132750 / DATCP: 105-444
G	405132750

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 893064
Lab Section: DIESEL
QC Batch Number: 28666
Prep Method: WI MOD DRO
Analytical Method: WI MOD DRO

QC Type	Client Sample ID	Lab Sample ID
MB	SD2406-008MB	SD2406-008MB
LCS	SD2406-008MBLCS	SD2406-008MBLCS
LCSD	SD2406-008MBLCSD	SD2406-008MBLCSD

Client Sample ID	Lab Sample ID	MB ID
3RD UST-N	893064-001	MB
3RD UST-S	893064-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Diesel Range Organics	<	0.84	25.0	19.6	78		25.0	25.4	102		26.0		50	150	40	—	—	—	—	—		—	—	—		—		—	—	—

Conc = mg/kg unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/12/2008
QC Batch Number: 28666

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 893064
Lab Section: GAS
QC Batch Number: 28636
Prep Method: SW846 5030B
Analytical Method: SW846 8021B

QC Type	Client Sample ID	Lab Sample ID
MB	GG2353-92MB	GG2353-92MB
LCS	GG2353-92MBLCS	GG2353-92MBLCS
LCSD	GG2353-92MBLCSD	GG2353-92MBLCSD

Client Sample ID	Lab Sample ID	MB ID
3RD UST-N	893064-001	MB

Client Sample ID	Lab Sample ID	MB ID
3RD UST-S	893064-002	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD %	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD %	C	MS/MSD Control Limits LCL %	UCL %	RPD %
1,2,4-Trimethylbenzene	<	25	1000.0	1057.3	106		1000.0	1030.9	103		2.5		85	122	20	—	—	—	—	—		—	—	—		—		—	—	—
1,3,5-Trimethylbenzene	<	25	1000.0	1056.7	106		1000.0	1046.2	105		1.0		85	123	20	—	—	—	—	—		—	—	—		—		—	—	—
Benzene	<	25	1000.0	1046.1	105		1000.0	998.4	100		4.7		85	115	20	—	—	—	—	—		—	—	—		—		—	—	—
Ethylbenzene	<	25	1000.0	1050.8	105		1000.0	1034	103		1.6		85	118	20	—	—	—	—	—		—	—	—		—		—	—	—
Gasoline Range Organics	<	1.3	10.0	10.9	109		10.0	9.9	99		9.4		80	120	20	—	—	—	—	—		—	—	—		—		—	—	—
Methyl-tert-butyl-ether	<	25	1000	891.9	89		1000	901.4	90		1.1		84	116	20	—	—	—	—	—		—	—	—		—		—	—	—
Toluene	<	25	1000.0	1042.8	104		1000.0	1019.2	102		2.3		85	117	20	—	—	—	—	—		—	—	—		—		—	—	—
Xylene, m + p	<	25	2000.0	2066.3	103		2000.0	2035.4	102		1.5		85	119	20	—	—	—	—	—		—	—	—		—		—	—	—
Xylene, o	<	25	1000.0	1008.4	101		1000.0	988.7	99		2.0		85	119	20	—	—	—	—	—		—	—	—		—		—	—	—
a,a,a-Trifluorotoluene		100%	—	—	99		—	—	100		—		80	119	—	—	—	—	—	—		—	—	—		—		—	—	—

Conc = mg/Kg unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 2/12/2008
QC Batch Number: 28636

Sample Condition Upon Receipt

Pace Analytical

Client Name: RMT Project # 893064

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other _____

Optional: Proj. Due Date: Proj. Name:

Tracking #: _____

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used NA Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature R01 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: GJ 2-5-08

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AH **Date:** 2/12/08

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

Pace Analytical®
www.pacelabs.com

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

COC No. 013334

CHAIN OF CUSTODY

*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:	RMT
Branch/Location:	Madison
Project Contact:	Dan Haak
Phone:	608 831 4444
Project Number:	1099D.03
Project Name:	USH 18 Jefferson Mail
Project State:	WI
Sampled By (Print):	Dan Haak
Sampled By (Sign):	Dan Haak
PO #:	
Regulatory Program:	

Quote #:	
Mail To Contact:	Dan Haak
Mail To Company:	RMT
Mail To Address:	744 Heartland Trail Madison, WI 53717
Invoice To Contact:	Accounts Payable
Invoice To Company:	RMT
Invoice To Address:	same
Invoice To Phone:	608 831 4444

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) — Y/N
PRESERVATION (CODE)* — Pick Letter

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: DRO	GRO/PVOCs	Oxygenates	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	3rd UST-N	1/31/08	10:25	S	X	X	X		2-202, 1-402	
002	3rd UST-S	"	10:30	S	X	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:	dan.haak@rmtinc.com
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Dan Haak	2/1/08 9:10	Ted Holtan	2/4/08 11:45
Ted Holtan	2/4/08 13:30	DUNHAM	
DUNHAM	2-5-08 0915		2-5-08 1915

PACE Project No. 893064

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

Appendix F
Site Photographs

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	USH 18, Jefferson	10890.02

Photo No.	Date
1	1/23/08

Description
Looking west along sidewalk and new gas main

Photo No.	Date
2	1/23/08

Description
Looking east along sidewalk and new gas main

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	USH 18, Jefferson	10890.02

Photo No.	Date
3	1/23/08

Description
First UST removed

Photo No.	Date
4	1/23/08

Description
Second UST and close proximity to existing gas main

RMT

Photographic Log

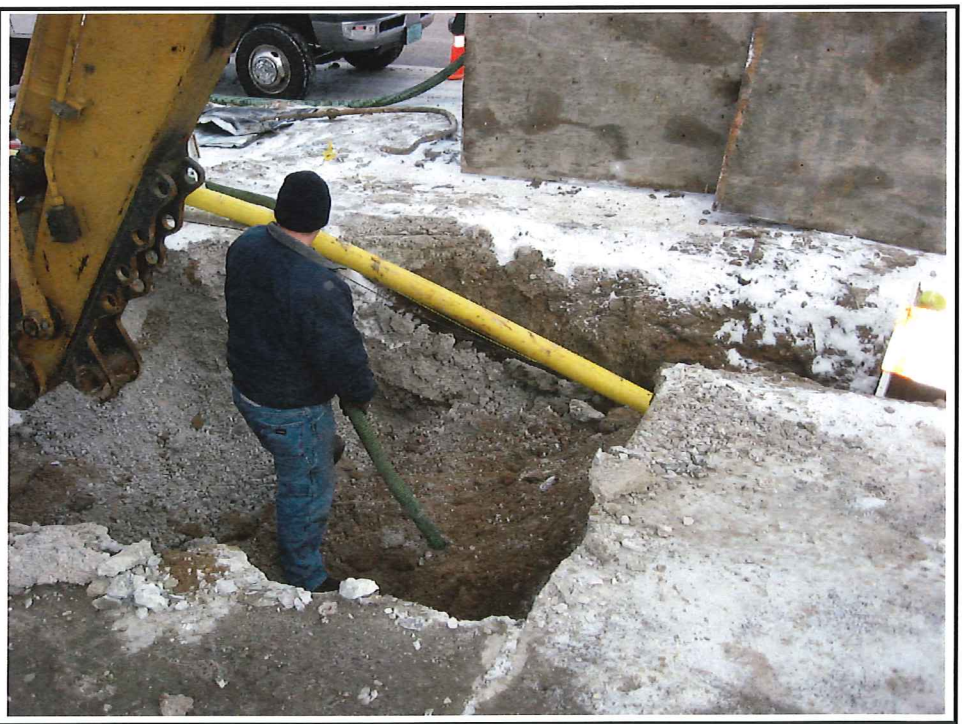
Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	USH 18, Jefferson	10890.02

Photo No.	Date
5	1/23/08

Description
Backfill and compact

Photo No.	Date
6	1/31/08

Description
Pump out water from third UST and new gas main



RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	USH 18, Jefferson	10890.02

Photo No.	Date
7	1/31/08

Description
Removal of third UST

Photo No.	Date
8	1/31/08

Description
Excavation from third UST

RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation	USH 18, Jefferson	10890.02

Photo No.	Date
9	1/31/08

Description
Backfill except for new gas main trench