State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge

09-37-560156 NAR 03-01-2013
Kemp's Center
Marathon WCR022

Emergency Discharges / Spills should be reported via t

Notice: Hazardous substance discharges must be reported immediately ac substance discharges may be reported by telefaxing or e-mailing a completed r office in person. If you choose to notify the Department by telefax or by ema information is included. However, use of this form is not mandatory. Under s. requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- [x] Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- [ ] Aboveground Petroleum Storage Tank System
- [ ] Dry Cleaner Facility
- [ ] Other - Describe: _____

ATTN DNR: **R & R Program Associate** Date DNR Notified: 2/19/13

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
MR STEVEN KEMP	KEMP SERVICE CENTER INC	715-842-2129

Mailing Address	Email Address
2202 N 6th STREET	KEMPIRE6@AOL.com

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.
KEMP SERVICE CENTER INC

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.
2202 N 6th STREET 44°58.439N 089°37.425W

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
WAUSAU

County:	Legal Description:	WTM:
MARATHON	___ 1/4 ___ 1/4 Sec ___ Tn ___ Range ___ ○E ○W	X _____ Y _____

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

KEMP SERVICE CENTER INC (MR STEVE KEMP)

- [ ] Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/lgu/liability.htm.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	City	State	ZIP Code

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	City	State	ZIP Code

(continued)

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- [ ] VOC's
- [x] PAH's
- [ ] Metals (specify): _____
  - [ ] Arsenic
  - [ ] Chromium
  - [ ] Cyanide
  - [ ] Lead
  - [ ] PCB's
- [x] Diesel
- [ ] Fuel Oil
- [ ] Gasoline
- [ ] Hydraulic Oil
- [ ] Jet Fuel
- [ ] Mineral Oil
- [ ] Waste Oil
- [ ] Petroleum-Unknown Type
- [ ] PERC (Dry Cleaners)
- [ ] RCRA Hazardous Waste
- [ ] Leachate
- [ ] Fertilizer
- [ ] Pesticide/Herbicide/Insecticide(s)
- [ ] Other (specify): _____
- [ ] Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- ___ Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- ___ Groundwater Contamination
- ___ Off-Site Contamination
- K Other (specify): GP-17 / CSS # 17 DISPENSER SAMPLE
- ✓ Soil Contamination
- ___ Storm Sewer Contamination
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

- [x] Tank closure assessment — Date 12/10,11/2012
- [x] Site assessment — Date 12/11/12
- [ ] Other - Describe: _____ — Date _____

Lab results: [ ] Lab results will be faxed upon receipt [ ] Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

- [x] Does not apply.

Source

- [ ] Tank
- [ ] Piping
- [x] Dispenser ?
- [ ] Submersible Turbine Pump
- [ ] Delivery Problem
- [x] Other (specify): ppion system release

Cause

- [ ] Spill
- [ ] Overfill
- [ ] Corrosion
- [ ] Physical or Mechanical Damage
- [ ] Installation Problem
- [ ] Other (does not fit any of above)
- [x] Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

March 1, 2012

Steven Kemp
2202 N 6th Street
Wausau, WI 54401

Subject: Kemp Service
2202 N 6th Street, Wausau, WI

Dear Mr. Kemp:

On January 16, 2013, the Wisconsin Department of Natural Resources was notified by REI that an Underground Storage Tank/Subsurface Site Assessment was conducted that the above property. Based on the results of the assessment it does not appear that a NR 716 Site Investigation is warranted for the site described above.

The Bureau for Remediation and Redevelopment Tracking System ("BRRTS") will show the status of the site described above as a "no action required" site. You may view the information related to your site at any time (http://www.dnr.state.wi.us/org/aw/rr/brrts) and use the feedback system to alert us to any errors in the data.

If you want a more detailed written response from the Department regarding the "no action required" status, please be advised that under s. 292.55, Wis. Adm. Code, a $500.00 fee is required for a General Liability Clarification Letter.

If you should have any questions regarding this letter or your site, please feel free to contact me at (715) 421-7873, or e-mail me at David.Rozeboom@wi.gov.

Thank you for your cooperation.

Sincerely,

Dave Rozeboom
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Dave Larsen, REI

File Note

DATE: **March 1, 2013**

TIME:

WITH:

SUBJECT: Kemps Service

BRRTS#:

Rozeboom reviewed the Storage Tank / Subsurface Site Assessment. DRO at CSS#17 would normally require additional assessment. PAH's were not analyzed. However, Naphthalene was below detect indicating that there likely is not a significant source of PAH's in the area.

Rozeboom, David B - DNR

From: Rozeboom, David B - DNR
Sent: Friday, February 22, 2013 2:00 PM
To: 'Dave Larsen'
Subject: FW: Kemps Service

Hi Dave-

I tried to leave a voicemail, but your mailbox is full. I'm wondering if there is something that I am missing… Between reading the cover letter and report for this site and a conversation I had with Steve Kemp I am getting conflicting messages.

Your conclusions in the report state that a new release may have occurred and recommends review of the closed site. Your cover letter states that no action required is recommended. Steve Kemp gets the impression that no action should be required.

My interpretation of the report is that a release was identified at CSS#17. DRO was identified at 186ppm and PAH's were not sampled. I reviewed the report for the closed site and there was no prior assessment in the area of CSS#17. This lead me to request the release notification.

Is there something else I should be reviewing that indicate further investigation is not necessary at CSS#17?

Thanks,

Dave Rozeboom
Hydrogeologist
WI Department of Natural Resources
473 Griffith Avenue, Wisconsin Rapids, WI 54494
Phone: (715) 421-7873 / Fax: (715) 421-7830
E-Mail: David.Rozeboom@wi.gov

From: Rozeboom, David B - DNR
Sent: Thursday, January 24, 2013 9:02 AM
To: 'Dave Larsen'
Subject: Kemps Service

Hi Dave-

I have reviewed the site assessment report for the Kemps Service site. Based on the results and the reports from the previous investigation it appears that additional investigation will be necessary. The previous investigation did not assess the area of GP-17. Attached are the results from the previous investigation.

Please submit a release notification and I will follow up with an RP letter.

Kemps_2013012...

Dave Rozeboom
Hydrogeologist
WI Department of Natural Resources
473 Griffith Avenue, Wisconsin Rapids, WI 54494
Phone: (715) 421-7873 / Fax: (715) 421-7830
E-Mail: David.Rozeboom@wi.gov

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Dave Rozeboom
Hydrogeologist
WI Department of Natural Resources
473 Griffith Avenue, Wisconsin Rapids, WI 54494
Phone: (715) 421-7873 / Fax: (715) 421-7830
E-Mail: David.Rozeboom@wi.gov

Rozeboom, David B - DNR

From: Kinney, Deena - DNR
Sent: Thursday, February 21, 2013 2:20 PM
To: Rozeboom, David B - DNR
Subject: HAZARDOUS SUBSTANCE DISCHARGE NOTIF - KEMPS, WAUSAU
Attachments: 20130221142329335.pdf

Hi Dave, I just received this in the mail.

Deena M Kinney
Environmental Program Assistant
Remediation and Redevelopment
Wisconsin Department of Natural Resources Eau Claire Service Center
(*) phone: (715) 839-2784
(*) fax: (715) 839-6076
(*) e-mail: deena.kinney@wisconsin.gov

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

January 7, 2013

Wisconsin Department of Natural Resources
Attn: Deena Kinney
1300 West Clairemont Avenue
Eau Claire, WI 54701

Subject:

Underground Storage Tank / Subsurface Site Assessment
Kemp Service
2202 N 6th Street
Wausau, WI 54401

REC'D JAN 16 2013

Dear Deena, Lisa

Enclosed please find a copy of the Underground Storage Tank/Subsurface Site Assessment for the above referenced site. Low level petroleum compounds were identified in the soil sample collected from immediately beneath the dispensers. REI is recommending that no additional site investigation measures are necessary at this site.

If you have any questions or comments, please contact our office at (715) 675-9784.

Sincerely,
REI Engineering, Inc.

David N. Larsen P.G.
Hydrogeologist/Project Manager

CC: Environmental Services Plus, Jesse Rose, PO Box 187, W1734 KenDale Drive, Kaukauna, WI 54130

Complete One Form for
Each System Service Event

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

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

CHECK ONE:
☒ UNDERGROUND
☐ ABOVEGROUND

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

RETURN COMPLETED CHECKLIST TO:

Wisconsin Department of Safety and Professional Services
Bureau of Petroleum Products and Tanks
P.O. Box 7837
Madison, WI 53707-7837

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

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

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

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

B. IDENTIFICATION (Please Print)

1. Facility Name: KEMP SERVICE CENTER	2. Owner Name: STEVE KEMP
Facility Street Address (not P.O. Box): 2202 N 6th STREET	3. Contact Name: STEVE KEMP — Job Title: OWNER
Municipality Mailing Address: WAUSAU	2202 North 6th STREET
☒ City ☐ Village ☐ Town of: WAUSAU	Post Office: WAUSAU — State: WI — Zip Code: 54403
Zip Code: 54403 — County: MARATHON	County: MARATHON — Telephone No. (include area code): (715) 842-2129
4. Primary Service Contractor Section A above: ENVIRONMENTAL SERVICES PLUS	Service Contractor Street Address: W1734 KEN-DEE DR P.O BOX 187
Service Contractor Telephone No. (include area code): () 920-766-6756	Service Contractor City, State, Zip Code: KAUKAUNA WI 54130

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

a	b	c	d	e	f	g		h	
Tank ID #	Type of Closure[1]	Tank Material of Construction	Piping Material of Construction	Tank Capacity (gallons)	Contents[2]	Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		If "Yes" to "g", Then Specify Source & Cause of Release[5]	
								Source of Release[3]	Cause of Release[4]
289440	P	STEEL	FIBER GL	10,000	UG	☐ Y	☒ N		
289441	P	STEEL	FIBER GL	8,000	UG	☐ Y	☒ N		
289442	P	STEEL	FIBER GL	4,000	UG	☐ Y	☒ N		
289443	P	STEEL	FIBER GL	4,000	DL	☐ Y	☒ N		
						☐ Y	☐ N		
						☐ Y	☐ N		

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

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

CAS number(s):

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

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

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

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

Written notification was provided to the local agent 5 days in advance of closure date. ☒ Y ☐ N

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

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

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

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

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

D.2. ☑ CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

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

2. Specific Closure-by-Removal Requirements

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

3. Specific Closure-In-Place Requirements

NOTE: **CLOSURES IN-PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DSPS) OR LOCAL AGENT.**

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

E. ☐ REPAIR, UPGRADE OR CHANGE-IN-SERVICE

Written notification was provided to the local agent 5 days in advance of service date.	☐ Y	☐ N	☑ NA
All local permits were obtained before beginning service.	☐ Y	☐ N	☑ NA
Form ERS-7437 or ☐ ERS-8731 filed by owner with the DSPS indicating change-in-service.	☐ Y	☐ N	☑ NA

F. METHOD OF VAPOR FREEING OF TANK

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

☐ Inert gas using dry ice or liquid carbon dioxide.

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

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

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

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

G. REMOVER/CLEANER INFORMATION

Remover/Cleaner Name (print)	Remover/Cleaner Signature	Certification No.	Date Signed
JESSE. F ROSE	Jesse F Rose	41240	12/11/12

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

Company expected to perform soil contamination assessment REI - WAUSAU WI

H. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Cert #	LPO Agency #:
Darrell Christy	Darrell J. Christy	35105	

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
Wausau	715-878-4499	12/11/12

UNDERGROUND STORAGE TANK/
SUBSURFACE SITE ASSESSMENT

KEMP SERVICE
2202 N 6TH STREET
WAUSAU, WI

REI PROJECT #6245

PREPARED FOR:

Environmental Services Plus
Attn: Mr. Jesse Rose
PO Box 187
W1734 KenDale Drive
Kaukauna, WI 54130

PREPARED BY:

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

January 2013

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UNDERGROUND STORAGE TANK/ SUBSURFACE SITE ASSESSMENT

KEMP SERVICE 2202 N 6TH STREET WAUSAU, WISCONSIN

REI PROJECT #6245

1.0 INTRODUCTION

This report represents the results and observations made from an Underground Storage Tank (UST) assessment at the Kemp Service property located at 2202 N 6th Street, City of Wausau, Marathon County, Wisconsin (Figure 1). Wisconsin Transverse Mercator (WTM) coordinates of the former UST location are 549650, 500125.

The scope of services included the following:

1. Observe the excavation and removal of a four thousand (4,000) gallon unleaded gasoline Underground Storage Tank (UST), a four thousand (4,000) gallon diesel UST, a eight thousand (8,000) gallon unleaded gasoline UST, a ten thousand (10,000) gallon unleaded gasoline UST and associated piping.
2. Collect representative soil samples for laboratory analysis for Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Petroleum Volatile Organic Compounds (PVOCs), naphthalene. Soil Sample locations will be consistent with the Tank System Site Assessment (TSSA).
3. Provide a report summarizing all data and methodologies from the assessment.

2.0 SITE INFORMATION AND GENERAL GEOLOGY

2.1 Surrounding Population and Land Use

The site is located at 2202 N 6th Street, Wausau, WI and is located in a mixed commercial and residential setting. The surrounding properties are as follows:

North: a residential area

South: East Wausau Avenue and mixed residential and commercial

East: N. 6th Street and mixed commercial and residential

West: a residential area

2.2 Geological Conditions

The geology and water resources of the basin as described by Devaul and Green (1971) indicate that almost the entire Central Wisconsin River Basin is covered with unconsolidated deposits consisting of unpitted outwash, pitted outwash, lake deposits, end moraines and ground moraines. The outwash deposits average about 100 feet in thickness but may be as thick as 250 feet over channels in bedrock. Soil permeability for the sandy soils as described on the site are 2.5 to 5.0 inches per hour. The average annual precipitation in the area is about 30.9 inches. The typical evapotranspiration rate is about 19.7 inches per year, leaving about 11.2 inches per year for both groundwater recharge and surface runoff Devaul and Green (1971).

3.0 PROJECT RESULTS

3.1 Underground Storage Tank Excavations

The Tank System Site Assessment (TSSA) was completed on December 11, 2012. David Larsen, Certified Site Assessor #252441, of REI Engineering, Inc. (REI) was on site to observe the removal of the UST and to complete site assessment requirements. Arnott trucking, Inc., Tomahawk, WI performed the excavation activities and Environmental Services Plus performed the UST purge, cut, and clean activities. The UST's appeared to be in very good condition at the time of removal. Groundwater was not encountered at the time the UST's were removed.

3.2 Chemical Analysis of Soil

Confirmation soil samples CSS#1-CSS#14 were collected from the base or sidewalls of the former UST basin Confirmation soil samples CSS#15-CSS#18 were collected beneath the petroleum dispensers. A total of eighteen (18) soil samples were collected and submitted for laboratory analysis.

The samples were field screened with a MiniRAE 3000 Photo ionization Detector (PID) with an 10.6 eV lamp. The soil samples were collected and placed in laboratory prepared jars, preserved with methanol, packed on ice, and relinquished to Pace Analytical, Green Bay, Wisconsin where they were analyzed for Gasoline Range Organics (GRO), Diesel range Organics (DRO), Petroleum Volatile Organic Compounds (PVOCs) and naphthalene.

Figure 2 presents the location of the soil sample collected during the UST removal assessment. Analytical results and all field screening results are shown on Table 1. Appendix A presents the methods and procedures for collection of the soil samples. A copy of the soil laboratory analytical report is presented in Appendix B. Copies of the closure checklist and inventory forms and disposal documentation are included in Appendix C. Photographs of the UST removal are presented in Appendix D.

Diesel Range Organic (DRO) related soil contamination in concentrations greater than the NR720.09 compound specific limit was identified in the sample collected beneath a former diesel dispenser (CSS#17). Additionally, the PID detection from CSS#10-11 indicated that the soil sample was likely impacted, the laboratory report indicated no detectable petroleum impacts above the laboratory quantifiable limits.

4.0 RESULTS AND CONCLUSIONS

The analytical results from the samples collected during the tank system site assessment have indicated levels of contamination above the compound specific Groundwater RCL levels for Diesel Range Organics (DRO) at CSS#17 at a depth of three and one-half feet (3.5) feet below land surface.

Based on these results REI Engineering, Inc. concludes that a release to the environment has occurred. This site was previously investigated for a petroleum release and closed in 1993. While the reported contamination could potentially be from the previously identified release, the WDNR should review the case file to determine if the reported contamination is from the former release or whether a new release has occurred.

5.0 STANDARD OF CARE

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

6.0 REFERENCES

Devaul, R.W. and Green, J.H., 1971, Water Resources of Wisconsin, Central Wisconsin River Basin, U.S. Geologic Survey Hydrologic Investigations Atlas HA-367, Washington D.C.

This report was prepared by:

David N. Larsen
Site Assessor
Certification #242441

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
KEMP SERVICE
2202 N 6TH STREET
WAUSAU, WISCONSIN

				Sample--->	CSS#1	CSS#2	CSS#3	CSS#4	CSS#5	CSS#6	CSS#7	CSS#8	CSS#9
				Date Collected)>	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012
				Sample Depth--(Feet)>	10	5	5	5	10	5	5	5	13
				Percent Solids--->	4.3%	6.1%	6.4%	6.7%	3.8%	4.9%	4.8%	6.5%	4.1%
				PID Detections--->	0.9	0.2	0.4	0.4	1.8	0.2	0.2	0.3	1.2
PVOC Parameters	RCL	NTEDC	GW	Units									
Benzene	5.5	1,490	2.6	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Ethylbenzene	2,900	7,470	785	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Toluene	1,500	818,000	553.6	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Xylenes	4,100	258,000	1,970	ug/kg	< 50	< 50	< 52.6	< 50	< 50	< 50	< 50	< 50	< 50
Methyl tert-Butyl Ether (MTBE)		59,400	13.5	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Trimethylbenzene, 1,2,4-		89,800	689.7	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Trimethylbenzene, 1,3,5-		182,000	689.7	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
Naphthalene		5,150	329.4	ug/kg	< 25	< 25	< 26.3	< 25	< 25	< 25	< 25	< 25	< 25
DRO	100	100	NS	mg/kg	3.4	1.1*	< 0.92	NA	NA	NA	NA	NA	NA
GRO	100	100	NS	mg/kg	NA	NA	NA	< 2.7	< 2.6	< 2.6	< 2.6	< 2.7	< 2.6

				Sample--->	CSS#10	CSS#11	CSS#12	CSS#13	CSS#14	CSS#15	CSS#16	CSS#17	CSS#18
				Date Collected)>	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/11/2012	12/12/2012	12/12/2012	12/12/2012	12/12/2012
				Sample Depth--(Feet)>	13	13	5	5	5	3.5	3.5	3.5	3.5
				Percent Solids--->	4.1%	5.6%	5.4%	5.7%	4.5%	4.8%	2.6%	4.5%	6.3%
				PID Detections--->	138	208	0.7	0.9	0.4	32.7	0.4	0.2	56.7
PVOC Parameters	RCL	NTEDC	GW	Units									
Benzene	5.5	1,490	2.6	ug/kg	36.2*	< 25	< 25	< 25	< 25	< 25	< 25	< 25	49.1*
Ethylbenzene	2,900	7,470	785	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	48.1*
Toluene	1,500	818,000	553.6	ug/kg	55.0*	< 25	< 25	< 25	< 25	< 25	< 25	< 25	387
Xylenes	4,100	258,000	1,970	ug/kg	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	213.5
Methyl tert-Butyl Ether (MTBE)		59,400	13.5	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Trimethylbenzene, 1,2,4-		89,800	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Trimethylbenzene, 1,3,5-		182,000	689.7	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Naphthalene		5,150	329.4	ug/kg	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
DRO	100	100	NS	mg/kg	NA	< 0.75	NA	NA	NA	NA	98.2	**186**	NA
GRO	100	100	NS	mg/kg	< 2.6	NA	< 2.6	< 2.7	< 2.6	< 2.6	NA	NA	< 2.7

Notes:

RCL - NR 720.09 Residual Contaminant Levels
NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)
GW - RCL Protective of Groundwater Quality
< - Concentration below listed laboratory detection limit
NR 720.09 RCL exceedences are bold
NTEDC RCL exceedences are outlined in bold
GW RCL exceedences are italicized

BOLD
BOLD
ITALICS

NA - Not Analyzed
NS - No Standard
* = Estimated value between detection limit and quantification limit
[B] = Analyte was detected in the associated method blank

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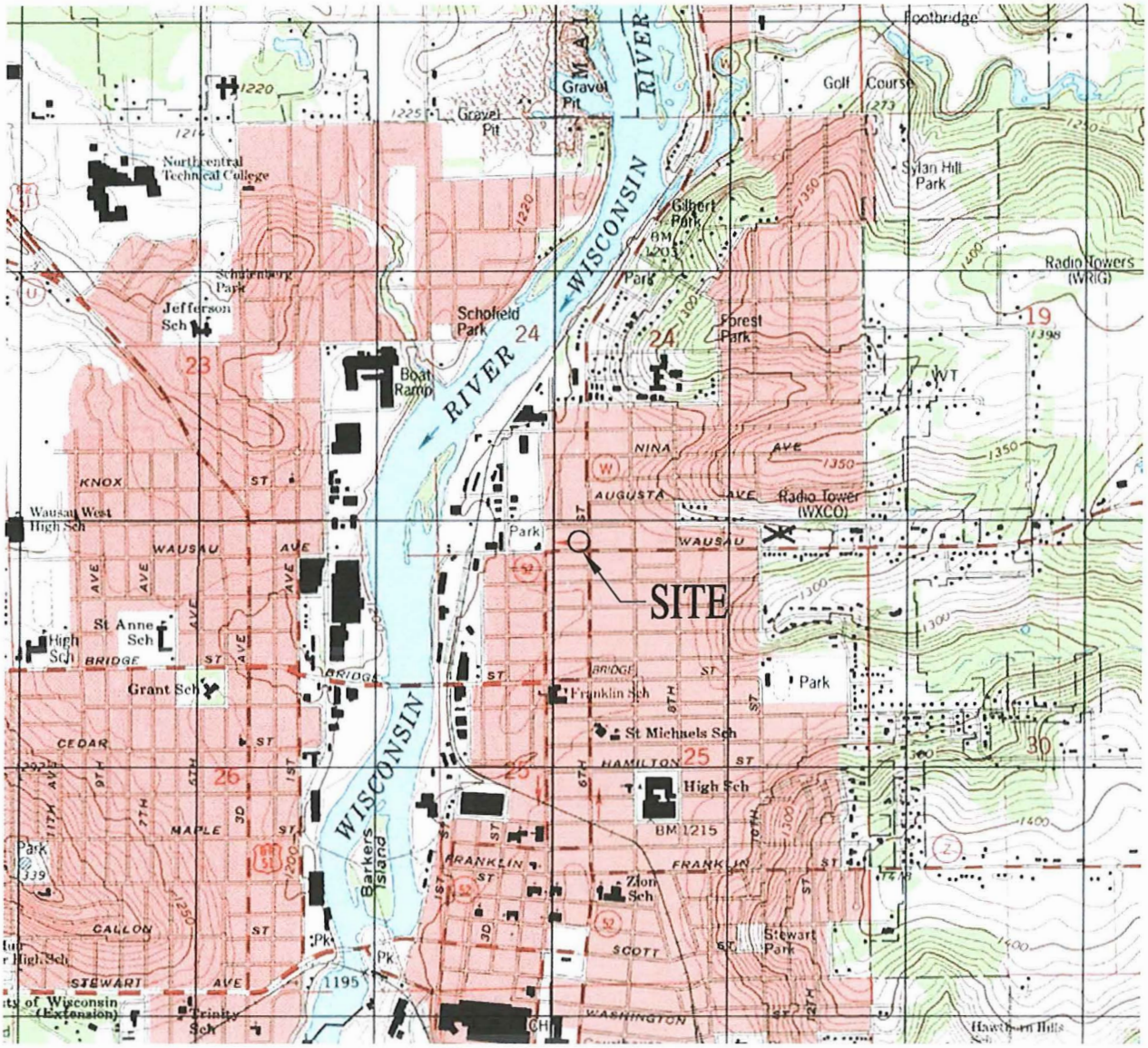

SCALE 1:24000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1993 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

WAUSAU EAST, WIS.

NE/4 WAUSAU 15' QUADRANGLE
44089-H5-TF-024

1993

DMA 3073 I NE - SERIES V861

QUADRANGLE LOCATION

REI Engineering, INC.

KEMP SERVICE 2202 N. 6TH STREET WAUSAU, WISCONSIN 54401	FIGURE 1 : SITE VICINITY MAP		
	PROJECT NO. 6245	DRAWN BY: NAP	DATE: 12/19/12

DRAWING FILE: J:\DRAFTING\6245 KEMP SERVICE\DWG\6245-VICN.DWG LAYOUT: VICINITY PLOTTED: JAN 07, 2013 - 1:29PM PLOTTED BY: TODDW

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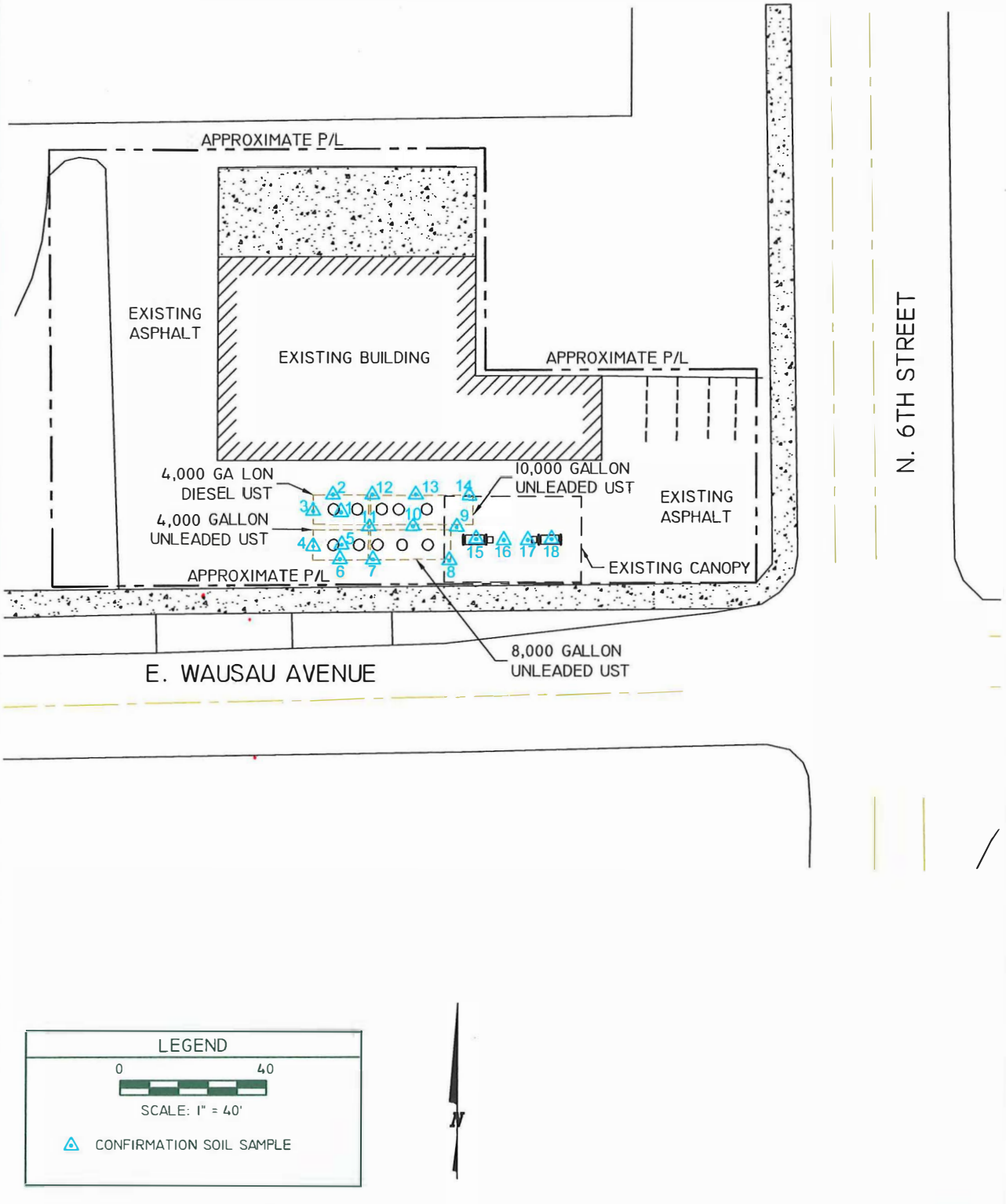

REI Engineering, INC.

KEMP SERVICE 2202 N. 6TH STREET WAUSAU, WISCONSIN 54401	FIGURE 2 : SITE MAP		
	PROJECT NO. 6245	DRAWN BY: NAP	DATE: 12/19/12

DRAWING FILE: J:\DRAFTING\6245 KEMP SERVICE\DWG\6245-SITE.DWG LAYOUT: SITE PLOTTED: JAN 07, 2013 - 1:29PM PLOTTED BY: TODDW

APPENDIX A

METHODS AND PROCEDURES

METHODS AND PROCEDURES

FOR

SOIL SAMPLING FOR ABOVEGROUND AND UNDERGROUND STORAGE TANK REMOVAL

SOIL SCREENING

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

HEADSPACE ANALYSIS

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

SAMPLE COLLECTION AND CHAIN OF CUSTODY

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

ANALYTICAL PROCEDURES

Gasoline Range Organics (GRO) results were determined using Modified GRO method. Diesel Range Organics (DRO) results were determined using the Modified DRO method.

APPENDIX B

CHAIN OF CUSTODY AND SOIL ANALYTICAL RESULTS

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

December 18, 2012

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Dear DAVID LARSEN:
Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

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

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Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4071903001	**CSS #1**	Solid	12/11/12 11:00	12/14/12 08:50
4071903002	**CSS #2**	Solid	12/11/12 11:10	12/14/12 08:50
4071903003	**CSS #3**	Solid	12/11/12 11:20	12/14/12 08:50
4071903004	**CSS #4**	Solid	12/11/12 11:30	12/14/12 08:50
4071903005	**CSS #5**	Solid	12/11/12 11:40	12/14/12 08:50
4071903006	**CSS #6**	Solid	12/11/12 11:50	12/14/12 08:50
4071903007	**CSS #7**	Solid	12/11/12 12:00	12/14/12 08:50
4071903008	**CSS #8**	Solid	12/11/12 12:10	12/14/12 08:50
4071903009	**CSS #9**	Solid	12/11/12 12:20	12/14/12 08:50
4071903010	**CSS #10**	Solid	12/11/12 12:30	12/14/12 08:50
4071903011	**CSS #11**	Solid	12/11/12 12:40	12/14/12 08:50
4071903012	**CSS #12**	Solid	12/11/12 12:50	12/14/12 08:50
4071903013	**CSS #13**	Solid	12/11/12 13:00	12/14/12 08:50
4071903014	**CSS #14**	Solid	12/11/12 13:10	12/14/12 08:50
4071903015	**CSS #15**	Solid	12/12/12 10:00	12/14/12 08:50
4071903016	**CSS #16**	Solid	12/12/12 10:10	12/14/12 08:50
4071903017	**CSS #17**	Solid	12/12/12 10:20	12/14/12 08:50
4071903018	**CSS #18**	Solid	12/12/12 10:30	12/14/12 08:50

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4071903001	CSS #1	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
4071903002	CSS #2	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
4071903003	CSS #3	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
4071903004	CSS #4	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903005	CSS #5	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903006	CSS #6	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903007	CSS #7	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903008	CSS #8	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903009	CSS #9	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903010	CSS #10	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903011	CSS #11	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
4071903012	CSS #12	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903013	CSS #13	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903014	CSS #14	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903015	CSS #15	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1
4071903016	CSS #16	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1

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SAMPLE ANALYTE COUNT

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4071903017	**CSS #17**	WI MOD DRO	DAL	1
		WI MOD GRO	LCF	10
		ASTM D2974-87	SKW	1
4071903018	**CSS #18**	WI MOD GRO	LCF	11
		ASTM D2974-87	SKW	1

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #1 **Lab ID: 4071903001** Collected: 12/11/12 11:00 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**3.4**	mg/kg	1.7	0.87	1	12/18/12 04:30	12/18/12 11:13		T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/17/12 22:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 22:17	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%.	80-120		1	12/17/12 09:51	12/17/12 22:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.3**	%	0.10	0.10	1		12/17/12 11:46		

Sample: CSS #2 **Lab ID: 4071903002** Collected: 12/11/12 11:10 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.1J**	mg/kg	1.7	0.83	1	12/18/12 04:30	12/18/12 11:18		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 00:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 00:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 00:26	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.1**	%	0.10	0.10	1		12/17/12 11:46		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #3 **Lab ID: 4071903003** Collected: 12/11/12 11:20 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.92**	mg/kg	1.9	0.92	1	12/18/12 04:30	12/18/12 11:24		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	71-43-2	W
Ethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	100-41-4	W
Methyl-tert-butyl ether	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	1634-04-4	W
Naphthalene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	91-20-3	W
Toluene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	108-88-3	W
1,2,4-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	95-63-6	W
1,3,5-Trimethylbenzene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	108-67-8	W
m&p-Xylene	**<52.6**	ug/kg	126	52.6	1	12/17/12 09:51	12/18/12 00:51	179601-23-1	W
o-Xylene	**<26.3**	ug/kg	63.2	26.3	1	12/17/12 09:51	12/18/12 00:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 00:51	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.4**	%	0.10	0.10	1		12/17/12 11:46		

Sample: CSS #4 **Lab ID: 4071903004** Collected: 12/11/12 11:30 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	12/17/12 09:51	12/18/12 01:17		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 01:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:17	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 01:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.7**	%	0.10	0.10	1		12/17/12 11:46		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #5 **Lab ID: 4071903005** Collected: 12/11/12 11:40 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 01:43		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 01:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 01:43	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 01:43	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.8**	%	0.10	0.10	1		12/17/12 11:46		

Sample: CSS #6 **Lab ID: 4071903006** Collected: 12/11/12 11:50 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 02:09		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 02:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 02:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 02:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		12/17/12 11:46		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #7 **Lab ID: 4071903007** Collected: 12/11/12 12:00 Received: 12/14/12 08:50 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 03:26		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 03:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 03:26	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.8**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #8 **Lab ID: 4071903008** Collected: 12/11/12 12:10 Received: 12/14/12 08:50 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	12/17/12 09:51	12/18/12 03:52		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 03:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 03:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 03:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		12/17/12 11:47		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #9 **Lab ID: 4071903009** Collected: 12/11/12 12:20 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 04:17		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 04:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:17	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 04:17	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.1**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #10 **Lab ID: 4071903010** Collected: 12/11/12 12:30 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**36.2J**	ug/kg	62.6	26.1	1	12/17/12 09:51	12/18/12 04:43	71-43-2	
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 04:43		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	91-20-3	W
Toluene	**55.0J**	ug/kg	62.6	26.1	1	12/17/12 09:51	12/18/12 04:43	108-88-3	
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 04:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 04:43	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 04:43	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.1**	%	0.10	0.10	1		12/17/12 11:47		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #11 **Lab ID: 4071903011** Collected: 12/11/12 12:40 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.75**	mg/kg	1.5	0.75	1	12/18/12 04:30	12/18/12 11:30		
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 05:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	12/17/12 09:51	12/18/12 05:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.6**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #12 **Lab ID: 4071903012** Collected: 12/11/12 12:50 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 05:35		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 05:35	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 05:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 05:35	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.4**	%	0.10	0.10	1		12/17/12 11:47		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #13 **Lab ID: 4071903013** Collected: 12/11/12 13:00 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	12/17/12 09:51	12/18/12 06:01		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 06:01	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:01	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 06:01	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.7**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #14 **Lab ID: 4071903014** Collected: 12/11/12 13:10 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 06:26		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 06:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/18/12 06:26	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.5**	%	0.10	0.10	1		12/17/12 11:47		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #15 **Lab ID: 4071903015** Collected: 12/12/12 10:00 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	100-41-4	W
Gasoline Range Organics	**<2.6**	mg/kg	2.6	2.6	1	12/17/12 09:51	12/18/12 06:52		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 06:52	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 06:52	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	12/17/12 09:51	12/18/12 06:52	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.8**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #16 **Lab ID: 4071903016** Collected: 12/12/12 10:10 Received: 12/14/12 08:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**98.2**	mg/kg	3.3	1.6	2	12/18/12 04:30	12/18/12 12:05		T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	12/17/12 09:51	12/18/12 07:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/18/12 07:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%.	80-120		1	12/17/12 09:51	12/18/12 07:18	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**2.6**	%	0.10	0.10	1		12/17/12 11:47		

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ANALYTICAL RESULTS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Sample: CSS #17 **Lab ID: 4071903017** Collected: 12/12/12 10:20 Received: 12/14/12 08:50 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**186**	mg/kg	7.9	3.9	5	12/18/12 04:30	12/18/12 12:10		T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	71-43-2	W
Ethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	100-41-4	W
Methyl-tert-butyl ether	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	1634-04-4	W
Naphthalene	**67.0**	ug/kg	63.4	26.4	1	12/17/12 09:51	12/17/12 23:09	91-20-3	
Toluene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	108-67-8	W
m&p-Xylene	**<50.5**	ug/kg	121	50.5	1	12/17/12 09:51	12/17/12 23:09	179601-23-1	W
o-Xylene	**<25.3**	ug/kg	60.6	25.3	1	12/17/12 09:51	12/17/12 23:09	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	12/17/12 09:51	12/17/12 23:09	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.5**	%	0.10	0.10	1		12/17/12 11:47		

Sample: CSS #18 **Lab ID: 4071903018** Collected: 12/12/12 10:30 Received: 12/14/12 08:50 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**49.1J**	ug/kg	64.1	26.7	1	12/17/12 09:51	12/17/12 23:34	71-43-2	
Ethylbenzene	**48.1J**	ug/kg	64.1	26.7	1	12/17/12 09:51	12/17/12 23:34	100-41-4	
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	12/17/12 09:51	12/17/12 23:34		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 23:34	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 23:34	91-20-3	W
Toluene	**387**	ug/kg	64.1	26.7	1	12/17/12 09:51	12/17/12 23:34	108-88-3	
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 23:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	12/17/12 09:51	12/17/12 23:34	108-67-8	W
m&p-Xylene	**160**	ug/kg	128	53.4	1	12/17/12 09:51	12/17/12 23:34	179601-23-1	
o-Xylene	**53.5J**	ug/kg	64.1	26.7	1	12/17/12 09:51	12/17/12 23:34	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	12/17/12 09:51	12/17/12 23:34	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.3**	%	0.10	0.10	1		12/17/12 11:48		

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QUALITY CONTROL DATA

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

QC Batch: GCV/9502 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4071903001, 4071903002, 4071903003, 4071903004, 4071903005, 4071903006, 4071903007, 4071903008, 4071903009, 4071903010, 4071903011, 4071903012, 4071903013, 4071903014, 4071903015, 4071903016, 4071903017, 4071903018

METHOD BLANK: 728098 Matrix: Solid
Associated Lab Samples: 4071903001, 4071903002, 4071903003, 4071903004, 4071903005, 4071903006, 4071903007, 4071903008, 4071903009, 4071903010, 4071903011, 4071903012, 4071903013, 4071903014, 4071903015, 4071903016, 4071903017, 4071903018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	12/17/12 20:34	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	12/17/12 20:34	
Benzene	ug/kg	<25.0	60.0	12/17/12 20:34	
Ethylbenzene	ug/kg	<25.0	60.0	12/17/12 20:34	
Gasoline Range Organics	mg/kg	<2.5	2.5	12/17/12 20:34	
m&p-Xylene	ug/kg	<50.0	120	12/17/12 20:34	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	12/17/12 20:34	
Naphthalene	ug/kg	<25.0	60.0	12/17/12 20:34	
o-Xylene	ug/kg	<25.0	60.0	12/17/12 20:34	
Toluene	ug/kg	<25.0	60.0	12/17/12 20:34	
a,a,a-Trifluorotoluene (S)	%.	103	80-120	12/17/12 20:34	

LABORATORY CONTROL SAMPLE & LCSD: 728099 728100

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	914	989	91	99	80-120	8	20	
1,3,5-Trimethylbenzene	ug/kg	1000	955	1020	96	102	80-120	7	20	
Benzene	ug/kg	1000	1050	1110	105	111	80-120	6	20	
Ethylbenzene	ug/kg	1000	1030	1090	103	109	80-120	6	20	
Gasoline Range Organics	mg/kg	10	9.7	10.3	97	103	80-120	6	20	
m&p-Xylene	ug/kg	2000	2050	2170	103	109	80-120	6	20	
Methyl-tert-butyl ether	ug/kg	1000	961	984	96	98	80-120	2	20	
Naphthalene	ug/kg	1000	904	943	90	94	80-120	4	20	
o-Xylene	ug/kg	1000	1030	1080	103	108	80-120	5	20	
Toluene	ug/kg	1000	1030	1100	103	110	80-120	6	20	
a,a,a-Trifluorotoluene (S)	%.				104	104	80-120			

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QUALITY CONTROL DATA

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

QC Batch: OEXT/17204 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4071903001, 4071903002, 4071903003, 4071903011, 4071903016, 4071903017

METHOD BLANK: 728406 Matrix: Solid
Associated Lab Samples: 4071903001, 4071903002, 4071903003, 4071903011, 4071903016, 4071903017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	12/18/12 10:55	

LABORATORY CONTROL SAMPLE & LCSD: 728407 728408

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	38.1	33.8	95	85	70-120	12	20	

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QUALITY CONTROL DATA

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

QC Batch: PMST/8048 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4071903001, 4071903002, 4071903003, 4071903004, 4071903005, 4071903006, 4071903007, 4071903008, 4071903009, 4071903010, 4071903011, 4071903012, 4071903013, 4071903014, 4071903015, 4071903016, 4071903017, 4071903018

SAMPLE DUPLICATE: 728230

Parameter	Units	4071899001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.8	5.8	0	10	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

T4	Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
W	Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6245 KEMP SERVICE
Pace Project No.: 4071903

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4071903001	CSS #1	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903002	CSS #2	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903003	CSS #3	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903011	CSS #11	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903016	CSS #16	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903017	CSS #17	WI MOD DRO	OEXT/17204	WI MOD DRO	GCSV/8908
4071903001	CSS #1	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903002	CSS #2	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903003	CSS #3	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903004	CSS #4	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903005	CSS #5	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903006	CSS #6	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903007	CSS #7	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903008	CSS #8	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903009	CSS #9	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903010	CSS #10	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903011	CSS #11	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903012	CSS #12	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903013	CSS #13	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903014	CSS #14	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903015	CSS #15	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903016	CSS #16	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903017	CSS #17	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903018	CSS #18	TPH GRO/PVOC WI ext.	GCV/9502	WI MOD GRO	GCV/9509
4071903001	CSS #1	ASTM D2974-87	PMST/8048		
4071903002	CSS #2	ASTM D2974-87	PMST/8048		
4071903003	CSS #3	ASTM D2974-87	PMST/8048		
4071903004	CSS #4	ASTM D2974-87	PMST/8048		
4071903005	CSS #5	ASTM D2974-87	PMST/8048		
4071903006	CSS #6	ASTM D2974-87	PMST/8048		
4071903007	CSS #7	ASTM D2974-87	PMST/8048		
4071903008	CSS #8	ASTM D2974-87	PMST/8048		
4071903009	CSS #9	ASTM D2974-87	PMST/8048		
4071903010	CSS #10	ASTM D2974-87	PMST/8048		
4071903011	CSS #11	ASTM D2974-87	PMST/8048		
4071903012	CSS #12	ASTM D2974-87	PMST/8048		
4071903013	CSS #13	ASTM D2974-87	PMST/8048		
4071903014	CSS #14	ASTM D2974-87	PMST/8048		
4071903015	CSS #15	ASTM D2974-87	PMST/8048		
4071903016	CSS #16	ASTM D2974-87	PMST/8048		
4071903017	CSS #17	ASTM D2974-87	PMST/8048		
4071903018	CSS #18	ASTM D2974-87	PMST/8048		

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4071903

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:	RET
Branch/Location:	
Project Contact:	D. Lassard
Phone:	7565759784
Project Number:	0245
Project Name:	KEMP SERVICE
Project State:	WI
Sampled By (Print):	D. Lassard
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC/IW	GRO	DRO	Solids	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	CSS#1	12-11-12	11:00	SO:1	N	F	X		X	X		1-40ml VF, 1-4oz cg A, 1-4oz cg A	
002	CSS#2		11:10		N	F	X		X	X			
003	CSS#3		11:20		N	F	X		X	X			
004	CSS#4		11:30		N	F	X	X		X			
005	CSS#5		11:40		N	F	X	X		X			
006	CSS#6		11:50		N	F	X	X		X			
007	CSS#7		12:00		N	F	X	X		X			
008	CSS#8		12:10		N	F	X	X		X			
009	CSS#9		12:20		N	F	X	X		X			
010	CSS#10		12:30		N	F	X	X		X			
011	CSS#11		12:40		N	A	X		X	X		1-4oz cg A	
012	CSS#12		12:50		N	A	X	X		X			
013	CSS#13		1:00		N	A	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:
Email #2:
Telephone:
Fax:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	12-13-12 @10:20		
Walton	12/14/12 0850	E Kelley PaceGB	12/14/12 0850

PACE Project No.: 4071903
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

(Please Print Clearly)

Company Name:	REI
Branch/Location:	
Project Contact:	D. Larsen
Phone:	715 675-9784
Project Number:	6245
Project Name:	Kemp Service
Project State:	WI
Sampled By (Print):	D. Larsen
Sampled By (Sign):	[signature]
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

CHAIN OF COUSTODY

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

Page 1 of 2/2

4071903

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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

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

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

					Analyses Requested	PVOC/N	GRO	DRO	Solids					CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
				FILTERED? (YES/NO)	Y/N	N	N	N	N							
				PRESERVATION (CODE)*	Pick Letter	F	F	A	A							
PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX												
014	CSS#14	12-11-12	1:10	Soil		X	X		X						1-40mlF, 1-4ozA	
015	CSS#15	12-12-12	10:00	↓		X	X		X						↓ ↓	
016	CSS#16	↓	10:10	↓		X		X	X						↓ ↓ ; 1-4oz cgA	
017	CSS#17	↓	10:20	↓		X		X	X						↓ ↓ ↓	
018	CSS#18	↓	10:30	↓		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:	
Email #2:	
Telephone:	
Fax:	

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	12-13-12 @ 10:40		
CS Logistics	12/14/12 0850	[signature] Pace GB	12/14/12 0850

PACE Project No.

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Sample Condition Upon Receipt

Client Name: REI Project # 4071903

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other Walco

Tracking #: 277720

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

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None Other

Thermometer Used N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun.

Cooler Temperature ROI **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional: Proj. Due Date: Proj. Name:

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 12/14/12
Initials: EMH

		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: Date: 12-14-12

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)

APPENDIX C

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY SHEETS AND DISPOSAL DOCUMENTATION

Part B – To be completed by environmental professional

Submit original Part B to the WDNR along with a copy of Part A

I. TANK-SYSTEM SITE ASSESSMENT (TSSA)

Site Name: Kemp Service

Address: 2202 N 6th Street, Wausau, WI

Note: Site name and address must match with Part A Section 1.

To determine if a TSSA is required, see Comm 10 and section II part B of *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

If a TSSA is required, then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

1. Site Information

a. Has there been a previously documented release at this site? ☑ Y ☐ N

If yes, provide the Commerce # 54401-3305-02, or DNR BRRT's # 03-37-000091.

b. Number of active tanks[1] at facility prior to completion of current services USTs 0 ASTs 0.

(NOTE 1: Do not include previously closed systems or system components.)

c. Excavation/trench dimensions (in feet). (Photos must be provided.)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
1	50'	20'	13'

2. Visual Excavation/Trench Inspection (Photos must be provided for "Yes" responses, except item b.)

Do any of the following conditions exist in or about the excavation(s)?

a. Stained soils: ☐ Y ☑ N b. Petroleum odor: ☑ Y ☐ N c. Water In excavation/trench: ☐ Y ☑ N

d. Free product in the excavation/trench: ☐ Y ☑ N e. Sheen or free product on water: ☐ Y ☑ N

3. Geology/Hydrogeology

a. Depth to groundwater _____ feet b. Indicate type of geology[2] Sand and gravel

(Note 2: Use these symbols individually or in combination as appropriate: C = Clay, SLT = Silt, S = Sand, Gr = Gravel)

4. Receptors

a. Water supply well(s) within 250 feet of the facility? ☐ Y ☑ N If yes, specify None known

b. Surface water(s) within 1000 feet of the facility? ☐ Y ☑ N If yes, specify _____

5. Sampling

a. Follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND STORAGE TANK SYSTEMS.*

b. Complete Tables 1 and 2 as appropriate. (Attach chain-of-custody and laboratory analytical reports.)

c. Attach a detailed map of site features and sample locations.

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
CSS#1	Bottom of 4,000 diesel UST, sand	☑	☐	☐	☐	3' below tank level	0.9		3.4
CSS#2	North sidewall 4,000 diesel UST, sand	☑	☐	☐	☐	5' below surface	0.2		1.1
CSS#3	West sidewall 4,000 diesel UST, sand	☑	☐	☐	☐	5' below surface	0.4		< 0.92
CSS#4	West sidewall 4,000 unleaded UST, sand	☑	☐	☐	☐	5' below surface	0.4	< 2.7	
CSS#5	Bottom of 4,000 unleaded UST, sand	☑	☐	☐	☐	3' below tank level	1.8	< 2.6	
CSS#6	South sidewall 4,000 unleaded UST, sand	☑	☐	☐	☐	5' below surface	0.2	< 2.6	
CSS#7	South sidewall of 8,000 gallon UST, sand	☑	☐	☐	☐	5' below surface	0.2	< 2.6	
CSS#8	South sidewall of 8,000 gallon UST, sand	☑	☐	☐	☐	5' below surface	0.3	< 2.7	
CSS#9	Between 8,000 and 10,000 gallon UST, sand	☑	☐	☐	☐	3' below tank level	1.2	< 2.6	
CSS#10	Between 8,000 and 10,000 gallon UST, sand	☑	☐	☐	☐	3' below tank level	138	< 2.6	
CSS#11	Between 8,000 and 10,000 gallon UST, sand	☑	☐	☐	☐	3' below tank level	208		< 0.75
CSS#12	North sidewall 10,000 unleaded UST, sand	☑	☐	☐	☐	5' below surface	0.7	< 2.6	
CSS#13	North sidewall 10,000 unleaded UST, sand	☑	☐	☐	☐	5' below surface	0.9	< 2.7	
CSS#14	North sidewall 10,000 unleaded UST, sand	☑	☐	☐	☐	5' below surface	0.4	< 2.6	

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
CSS#1	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#2	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#3	< 26.3	< 26.3	< 26.3	< 26.3	< 26.3	< 52.6	< 26.3
CSS#4	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#5	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#6	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#7	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#8	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#9	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#10	36.2	55	< 25	< 25	< 25	< 50	< 25
CSS#11	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#12	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#13	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#14	< 25	< 25	< 25	< 25	< 25	< 50	< 25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☐ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☑ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

David N. Larsen		252441
Tank-System Site Assessor Name (print)	Tank-System Site Assessor Signature	Certification Number #
715-675-9784	12-13-12	REI Engineering, Inc.
Tank-System Site Assessor Telephone Number	Date Signed	Company Name

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method				Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
		Grab	Shelby Tube	Direct Push	Split Spoon				
CSS#15	3' below gasoline dispenser / sand	☑	☐	☐	☐	3' below surface	32.7	< 2.6	
CSS#16	3' below diesel dispenser / sand	☑	☐	☐	☐	3' below surface	0.4		98.2
CSS#17	3' below diesel dispenser / sand	☑	☐	☐	☐	3' below surface	0.2		186
CSS#18	3' below gasoline dispenser / sand	☑	☐	☐	☐	3' below surface	56.7	< 2.7	
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS-FOR PETROLEUM PRODUCTS

Sample ID #	BENZENE	TOLUENE	ETHYLBENZENE	MTBE	TRIMETHYL - BENZENES (TOTAL)	XYLENES (TOTAL)	NAPHTHALENE
	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
CSS#15	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#16	< 25	< 25	< 25	< 25	< 25	< 50	< 25
CSS#17	< 25.3	< 25.3	< 25.3	< 25.3	< 25.3	< 50.5	< 25.3
CSS#18	49.1	387	48.1	< 25	< 25	213.5	< 25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

☑ As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

☐ Sampling at the site indicates there has been a release to the environment. Pursuant to Wis. Admin. Code section Comm 10.585 (2) (a) and Wis. Stats. section 292.11 (2) (a), the owner or operator or contractor performing work under chapter Comm 10 shall immediately report any release of a regulated substance to the Wisconsin Department of Natural Resources. Failure to do so may result in forfeitures of a minimum of $10 and a maximum of $5000 for each violation under Wis. Stats. section 101.09 (5). Each day of continued violation and each tank are treated as separate offenses.

David N. Larsen		252441
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715-675-9784		REI Engineering, Inc.
Tank-System Site Assessor Telephone Number	Date Signed	Company Name

APPENDIX D

SITE PHOTOGRAPHS

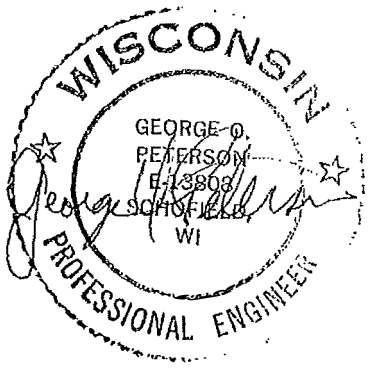
Kemp Service	Appendix D	Photographs of Underground Storage Tank Removal
2202 N 6th Street	REI Project Number: 6245	f:\reiproj\6200-6299\6245\reports\ust\[6245ustattd.xls]photos sheet 1

Site Assessment

Kemp Service Center

Tank Removal

October 1989



Prepared by:

Central Wisconsin Engineers, Inc.
903 Grand Avenue
Rothschild, WI 54474
Phone: (715) 359-9400

INTRODUCTION

Central Wisconsin Engineers, Inc. was retained by Kemp Service Center, Wausau, Wisconsin to prepare a site assessment report for removal of seven underground storage tanks at 2202 6th Street, Wausau.

BACKGROUND INFORMATION

Owner

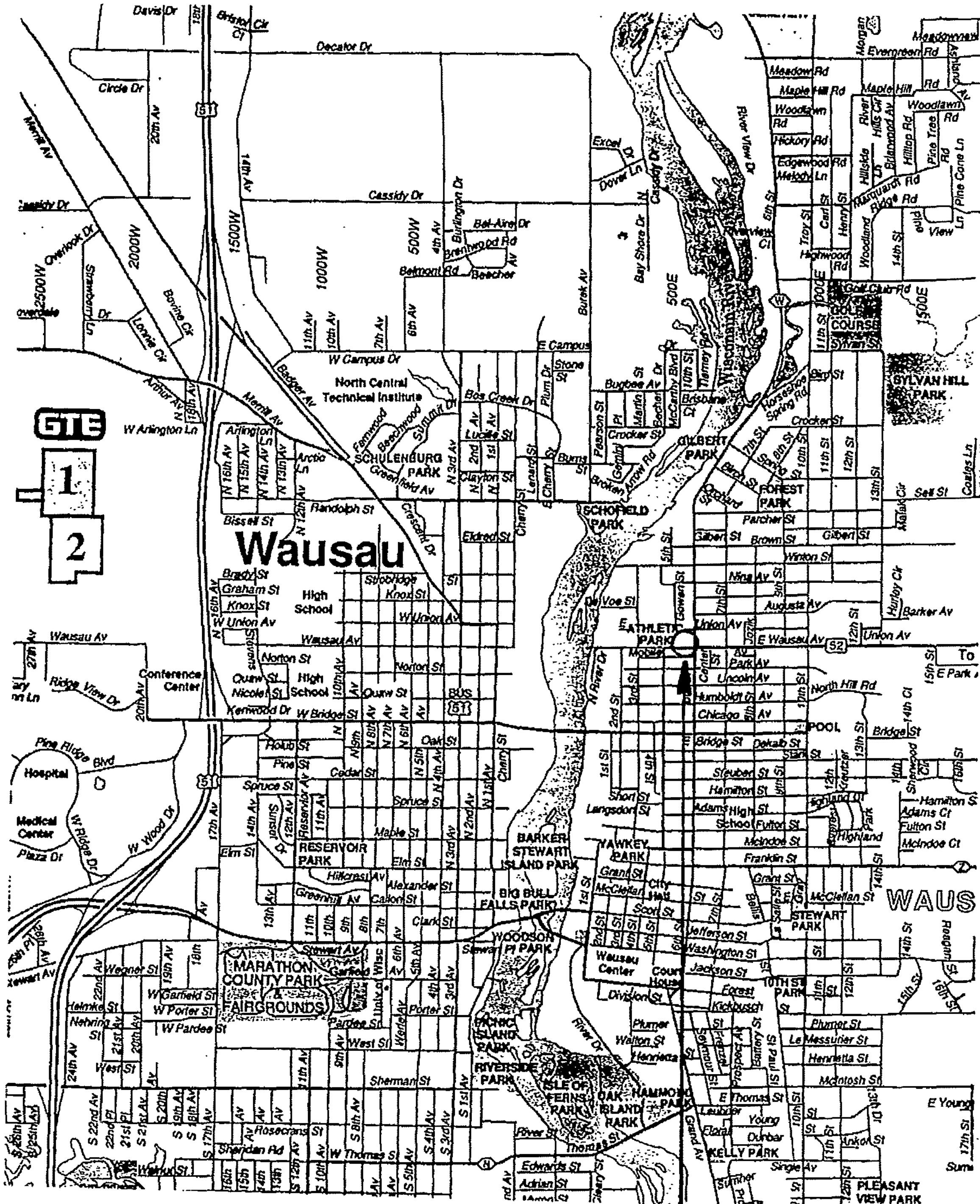
Kemp Service Center
2202 6th Street
Wausau, WI 54401
Attn: Roger Kemp, Owner
Phone: (715) 842-2129

PETROLEUM SERVICES CONTRACTOR

Northwest Petroleum Service, Inc.
2276 Circle Drive
Wausau, WI 54401
Attn: Jay Nieuwenhuis
Phone: (715) 675-2084

SITE INVESTIGATION

Seven tanks were removed from this site, containing a variety of petroleum products. Three tanks were removed from the south side of the station. The tanks held unleaded gasoline and diesel fuel (see Figure 2). Four tanks were removed from the east side of the station. These tanks contained gasoline, fuel oil, kerosene, and one contained water (see Figure 2). The six tanks containing petroleum products were installed sometime around 1967. There have been no known instances of leaking tanks. This site has been a gas station since the 1930's.



SITE LOCATION

SITE LOCATION		
KEMP SERVICE CENTER TANK CLOSURE / SITE ASSESSMENT WAUSAU, WISCONSIN		
CENTRAL WISCONSIN ENGINEERS, INC.	Scale: Drawn: A.S. Approved: H.Z., G.P. Date: 10/89	FIGURE 1 PROJECT 82389

SITE PLAN

KEMP SERVICE CENTER
TANK CLOSURE / SITE ASSESSMENT
WAUSAU, WISCONSIN

CENTRAL WISCONSIN ENGINEERS, INC.

Scale: 1" = 20'
Drawn: J.L.
Approved: H.Z., G.P.
Date: 9/89

FIGURE 2

PROJECT 82389

FIELD INVESTIGATION

The tank removal was initiated July 20, 1989 by Northwest Petroleum Service, Inc. Northwest Petroleum personnel supervised the excavation, conducted field testing, and collected the verification laboratory samples.

Tanks one and two, as labeled on Figure 2, had a capacity of 300 gallons and contained unleaded premiums gas and kerosene respectively. Tank three contained fuel oil and had a capacity of 110 gallons. The existence of tank four was not known prior to this project. It had a capacity of 110 gallons and was full of water. Its previous usage is unknown.

On the south side of the building were three tanks, all having a 10,000 gallon capacity. These tanks contained diesel fuel or unleaded gasoline.

TANK REMOVAL

The tanks were removed by Schroeder Excavating using a backhoe. The appropriate guidelines were following in the removals including field testing of the soils and purging of the tanks with dry ice.

During the removal of the tanks, soil samples were collected for field analysis. These samples were analyzed using an HNu photoionization meter. All soils having a concentration of 10 ppm and higher were removed for proper disposal. As a result, approximately 25 yards of soil from around the seven tanks was stockpiled on site.

SOIL SAMPLES FOR LABORATORY ANALYSIS

Soil samples were collected by Northwest Petroleum personnel for laboratory analysis using accepted procedures. The samples were collected and preserved in laboratory specified clean clear glass jars with air tight screw-on teflon lined lids. The samples were preserved and forwarded to the laboratory for analysis.

All soil samples were analyzed by Robert E. Lee & Associates Laboratory Services, Green Bay, Wisconsin (Wisconsin Certification Number 405043870).

All samples collected were analyzed for total petroleum hydrocarbons (TPH) according to the California Method and BTEX (benzene, toluene, ethylbenzene and xylenes). The results are listed below:

	Result (ppm dry weight)				
Sample	TPH	Benzene	Toluene	Ethylbenzene	Xylenes
1. North	<.5				
2. South	0.8				
3. East	<0.5				
4. West	<0.5				
5. Northwest	2.6				
6. Southwest	3.7				
A1. North above ground	23	<.050	<.050	.094	.305
A2. South above ground	16	<.050	<.050	<.025	.117
A3. East above ground	27	<.050	<.050	.115	.209
A4. West above ground	32	<.050	<.050	.065	.226

Samples one, three, and six collected below the tanks after contaminated soils as recorded with the HNu meter, were removed. Samples designated A1 through A4 were taken of the soils removed and set aside for disposal at Pitlick and Wick.

SOILS DISPOSAL

All soils determined to be contaminated as a result of spills or overfills, etc., were transported to the Pitlick and Wick asphalt plant in Eagle River.

The excavation on the east side of the building was filled with clean fill brought to the site. The excavation to the south was enlarged to accommodate the new and larger tanks.

CONCLUSIONS AND RECOMMENDATIONS

Laboratory test results and field investigations indicated the soils contaminated as a result of overfills or spillage during tank filling have been removed.

The soils below the former tanks are free of contamination, therefore no further remedial action is necessary.