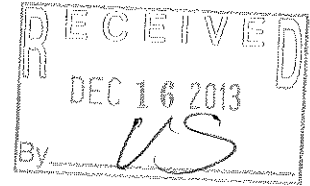


BRTS#09-41-561434



December 11, 2013

Mr. Joe Barker
Petroleum Equipment, Inc.
3950 West Douglas Avenue
Milwaukee, WI 53209



RE: Results of Tank System Site Assessment (TSSA) for the General Mitchell Airport Property Located at 5300 South Howell Avenue in Milwaukee, Wisconsin — FEC Project No. 131106

Dear Mr. Barker:

As requested, **Friess Environmental Consulting, Inc. (FEC)** collected samples in conjunction with the removal of an underground storage tank (UST) system at the above-referenced property. This letter documents the UST removal procedures and presents the results of the soil sampling and analytical testing.

Project Background and Site Description

The property is located at 5300 South Howell Avenue in Milwaukee, Wisconsin. A 1,000 gallon diesel fuel UST was recently removed from the above-referenced property. FEC was retained to conduct the tank system site assessment (TSSA).

Results of Soil Sampling

Petroleum Equipment, Inc. (PEI) coordinated the removal of the UST on December 2, 2013. FEC was on site to document the UST removal and collect soil samples from the base of the excavation and along the pipe run. The results of the field observations did not indicate the presence of petroleum odors or staining within the soil samples collected from beneath the UST. FEC submitted two soil samples from the east and west UST base for laboratory analyses of diesel range organics (DRO), petroleum volatile organic compounds (PVOCs), and naphthalene.

The UST was removed in accordance with the Wisconsin Department of Agriculture, Trade and Consumer Protection ("DATCP") regulations. A copy of the tank detail from the storage tank database, a copy of the checklist and report for closure (Form ERS-8951), and a summary of the UST removal procedures are attached. FEC

understands that the original checklist and report for UST closure form was submitted to DATCP to register the UST as removed.

Results of Analytical Testing

The soil samples collected from the site were submitted to Synergy Environmental Laboratory (a Wisconsin-certified laboratory) for laboratory analyses. The soil analytical results did not indicate concentrations of DRO, PVOC or naphthalene at concentrations above DNR standards. The soil analytical results are summarized on Table 1 and presented on the attached laboratory report.

Conclusions and Recommendations

Based on the field observations (no odors, staining or PID readings) and the results of the analytical testing, there does not appear to have been a release from the UST system that would warrant additional action. A copy of this report is being submitted to the DNR as a clean closure.

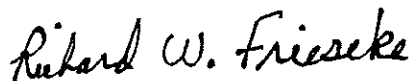
We appreciate the opportunity to assist you with the TSSA at the property. Please contact us if you have any questions or if we can be of further assistance.

Respectfully,

Friess Environmental Consulting, Inc.



Michael J. Rauwerdink
Project Manager



Richard W. Frieseke, P.E.
President

cc: DNR Remediation & Redevelopment

Attachments

131106a

UST Removal Summary

<i>Site Name and Location:</i>	General Mitchell Airport Property (Baggage Claim) 5300 South Howell Avenue Milwaukee, WI 53207
<i>UST Contents and Volume:</i>	One (1) 1,000-gallon diesel fuel UST UST ID # – 300169
<i>UST Removal Date:</i>	December 2, 2013
<i>Certified Tank Remover/Cleaner:</i>	OSI Environmental, Inc. (OSI) Timothy D Celichowski Certification # 1072782 4720 N. 124th Street Wauwatosa, WI 53225
<i>Certified Site Assessor:</i>	FEC, Inc. Trent Ott Site Assessor # 269940 6637 N. Sidney Place Milwaukee, WI 53209
<i>Inspector:</i>	David Rhodes Inspector Certification # 955586
<i>Tank Material and Condition:</i>	Single walled fiberglass; no holes.
<i>Tank Cleaning Method:</i>	Purge and clean
<i>Tank Disposal Location:</i>	Landfill
<i>Tank Removal Contractor:</i>	Petroleum Equipment, Inc. (PEI)
<i>Sludge/Product Disposal:</i>	OSI
<i>Piping Material and Condition:</i>	Fiberglass, good condition
<i>Backfill:</i>	Pea gravel
<i>Presence and Depth of Water:</i>	None
<i>Native Soil Description:</i>	Brown silty clay.
<i>Obvious Indications of Release:</i>	No odors or PID readings noted.
<i>Depth of Excavation:</i>	8 feet bgs.

Complete One Form for Each System Service Event

TANK SYSTEM SERVICE AND CLOSURE ASSESSMENT REPORT

RETURN COMPLETED CHECKLIST TO:

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

CHECK ONE:
 UNDERGROUND
 ABOVEGROUND

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

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 GMIA Baggage Claim		2. Owner Name Milwaukee County Environmental Services	
Facility Street Address (not P.O. Box) 5300 South Howell Avenue		3. Contact Name Greg Failey	
Municipality Milwaukee		Address 2711 West Wells Street	
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of: Milwaukee		Post Office Milwaukee, WI 53208	
Zip Code 53207		Telephone No. (include area code) (414) 747-5713	
County Milwaukee		State WI	
4. Primary Service Contractor Section A above Petroleum Equipment, Inc.		Service Contractor Street Address 3950 West Douglas Avenue	
Service Contractor Telephone No. (include area code) 414-466-3000		Service Contractor City, State, Zip Code Milwaukee, WI 53209	

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

a Tank ID #	b Type of Closure ¹	c Tank Material of Construction	d Piping Material of Construction	e Tank Capacity (gallons)	f Contents ²	g Release - System Integrity Compromised (e.g. holes, cracks, loose connection, etc)?		h If "Yes" to "g", Then Specify Source & Cause of Release ⁴	
						<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	Source of Release ³	Cause of Release ⁴
300169	P	Fiberglass	Fiberglass	1000	DL	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N		
						<input type="checkbox"/> Y	<input type="checkbox"/> N		
						<input type="checkbox"/> Y	<input type="checkbox"/> N		
						<input type="checkbox"/> Y	<input type="checkbox"/> N		
						<input type="checkbox"/> Y	<input type="checkbox"/> N		
						<input type="checkbox"/> Y	<input type="checkbox"/> 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 = Promix, 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 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

	Remover Verified	Inspector Verified	NA
1. Product removed.			
a. Product lines drained into tank (or other container) and liquid removed, and	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>
b. All product removed to bottom of suction line, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
c. All product removed to within 1" of bottom.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>

4. Dispensers/pumps left in place but locked and power disconnected.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>
5. Vent lines left open.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
6. Inventory form filed indicating temporarily out-of-service (TOS) closure.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>

D.2. CLOSURE BY REMOVAL OR IN-PLACE

1. General Requirements

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

2. Specific Closure-by-Removal Requirements

a. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
b. Tank cleaned before being removed from site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
c. Tank labeled in 2" high letters after removal but before being moved from site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
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.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>
e. Site security is provided while the excavation is open.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>

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 (DPS) OR LOCAL AGENT.

a. Tank properly cleaned to remove all sludge and residue.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>
b. Solid inert material (sand, cyclone boiler slag, or pea gravel recommended) introduced and tank filled.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>
c. Vent line disconnected or removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>
d. Inventory form filed by owner with the DPS indicating closure in-place.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>

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 DPS 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 CO₂ or N₂ **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

Anthony D. Celkowski (DSE) Anthony D. Celkowski Jr. 71072782 12/2/13
 Remover/Cleaner Name (print) Remover/Cleaner Signature: Certification No. Date Signed

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

Company expected to perform soil contamination assessment _____

H. INSPECTOR INFORMATION

DAVID RAYNES David Raynes 955586 _____
 Inspector Name (print) Inspector Signature Inspector Cert # LPO Agency #:

Milwaukee County (414) 286-5982 2-DEC-2013
 FDID # For Location Where Inspection Performed Inspector Telephone Number Date Signed

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: 5300 SOUTH HOWELL AVENUE (BAGAGE CLAM)

Address: 5300 SOUTH HOWELL AVENUE

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 # _____, or DNR BRRT's # _____
- b. Number of active tanks¹ at facility prior to completion of current services USTs 8 ASTs 5
(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	12	6	8

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 geology² C
(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 _____
- 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

NO HOLES IN FIBERGLASS UST, SOIL BENEATH UST WAS NOT IMPACTED.

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				
TANK BASE (EAST)	TANK BASE EAST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<1	NA	<10
TANK BASE (WEST)	TANK BASE WEST	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	<1	NA	<10
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

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
TANK BASE (EAST)	<25	<25	<25	<25	<50	<75	<25
TANK BASE (WEST)	<25	<25	<25	<25	<50	<75	<25

K. TANK-SYSTEM SITE ASSESSMENT INFORMATION

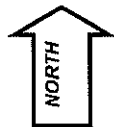
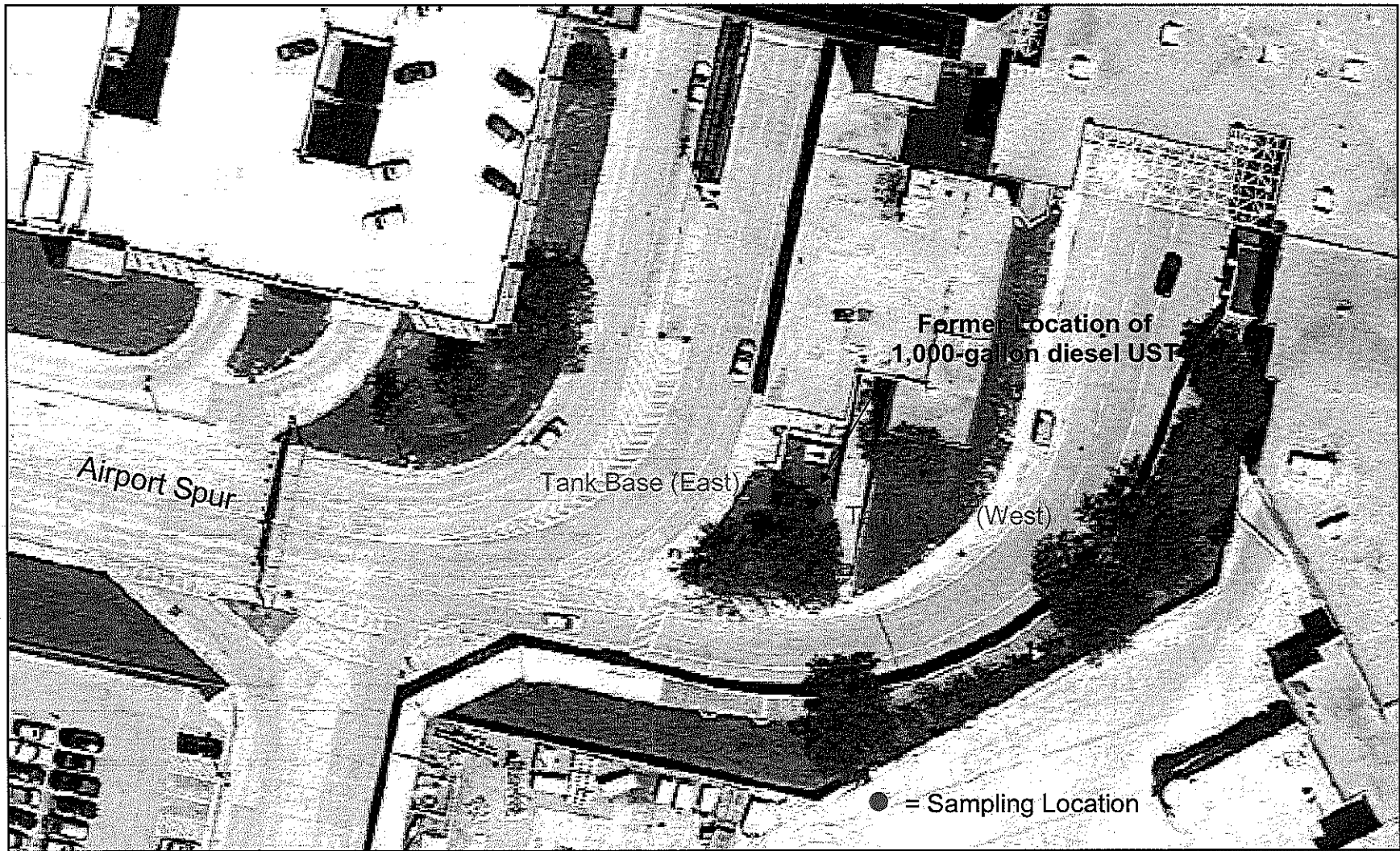
As a tank-system site assessor certified under Wis. Admin. Code section Comm 5.83, it is my opinion that there is no indication of a release of a regulated substance to the environment.

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.

Trenton Ott
Tank-System Site Assessor Name (print)
(414) 228-9815
Tank-System Site Assessor Telephone Number

Trenton Ott
Tank-System Site Assessor Signature
12/10/13
Date Signed

269940
Certification Number #
FEC, Inc.
Company Name



Sampling Location Diagram
5300 South Howell Avenue Property
Milwaukee, Wisconsin

Figure
1

Friess Environmental Consulting, Inc.
Guide to Abbreviations
in Laboratory Data Tables

< = Less than the specified detection limit.

DO = Dissolved Oxygen

ES = Enforcement Standard

DRO = Diesel range organics

GRO = Gasoline range organics

iu = instrument units

MTBE = Methyl-tert butyl ether

mV = Millivolts

NA = Not analyzed for indicated parameter

NM = Not measured for indicated parameter

NR = No recovery at this interval.

NR 140 ES = Wisconsin Administrative Code NR 140 Groundwater Quality
Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code NR 140 Groundwater Quality
Preventive Action Limit

NR 720 Groundwater RCL = Wisconsin Administrative Code NR 720 Residual Contaminant Level for the protection of groundwater
via the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890

NR 720 Non-Industrial DC RCL = Wisconsin Administrative Code NR 720 Non-Industrial Residual Contaminant Level for direct contact
via the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890

Note: NR 720 values are calculated utilizing the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890.

NS = No NR 140 ES/PAL or NR 720 RCL standard has been established.

ORP = Oxidation-reduction potential

PAL = Preventive Action Limit

PID = Photoionization detector

ppb = parts per billion

ppm = parts per million

RCL = Residual contaminant level as established in WAC Chapter NR 720

TMBs = Trimethylbenzenes (combined 1,2,4- and 1,3,5-trimethylbenzene)

umhos = Micromhos

Table 1
Analytical Results - Soil Samples
5300 South Howell (Baggage Claim)
Milwaukee, Wisconsin

Sample Location	Sampling Date	Depth (ft)	PID (iu)	DRO (ppm)	Benzene (ppb)	Ethyl-benzene (ppb)	Methyl tert-butyl ether (ppb)	Naphthalene (ppb)	Toluene (ppb)	Combined Trimethyl-benzenes (ppb)	Total Xylenes (ppb)
Tank Base (East)	12/2/2013	9	<1	<10	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0
Tank Base (West)	12/2/2013	9	<1	<10	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0
<i>NR 720 Groundwater RCL</i>				<i>250</i>	<i>5.1</i>	<i>1,570</i>	<i>27</i>	<i>659</i>	<i>1,107</i>	<i>1,379</i>	<i>3,940</i>
<i>NR 720 Residential DC RCL</i>				<i>NS</i>	<i>1,490</i>	<i>7,470</i>	<i>59,400</i>	<i>5,150</i>	<i>818,000</i>	<i>89.8K/182K</i>	<i>258,000</i>
<i>NR 720 Industrial DC RCL</i>				<i>NS</i>	<i>7,410</i>	<i>37,000</i>	<i>293,000</i>	<i>26,000</i>	<i>818,000</i>	<i>219K/182K</i>	<i>258,000</i>

Note: Concentrations that exceed their respective RCLs for the protection of groundwater are in *blue italics*.

Note: Concentrations that exceed their respective non-industrial RCLs for direct contact within the top 4 feet are in **red bold**.

Note: NR 720 values are taken from the RR Program's RCL spreadsheet (updated May 2012) as calculated utilizing the U.S. EPA's Regional Screening Level Web-Calculator per DNR draft document RR-890.

Table 2
Field Screening Results - Soil Samples
5300 South Howell (Baggage Claim)
Milwaukee, Wisconsin

Sample Location	Sampling Date	Depth (ft)	PID (iu)
Tank Base (East)	12/2/2013	7	<1
Tank Base (West)	12/2/2013	7	<1
Piping	12/2/2013	1.5	<1
<i>PID ; Photoionization Detector</i> <i>< ; less than detectable levels</i>			

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

MIKE RAUWERDINK
 FEC, INC.
 6637 N. SIDNEY PLACE
 MILWAUKEE, WI 53209

Report Date 10-Dec-13

Project Name 5300 S. HOLELL AVENUE
 Project # 131106
 Lab Code 5026209A
 Sample ID TANK BASE (EAST)
 Sample Matrix Soil
 Sample Date 12/2/2013

Invoice # E26209

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	83.4	%			1	5021		12/4/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/4/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		12/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		12/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		12/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		12/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		12/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		12/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		12/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		12/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		12/6/2013	CJR	1

Project Name 5300 S. HOLELL AVENUE
Project # 131106

Invoice # E26209

Lab Code 5026209B
Sample ID TANK BASE (WEST)
Sample Matrix Soil
Sample Date 12/2/2013

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.8	%			1	5021		12/4/2013	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.83	2.63	1	DRO95		12/4/2013	MJR	1
PVOC + Naphthalene										
Benzene	< 25	ug/kg	7.9	25	1	GRO95/8021		12/6/2013	CJR	1
Ethylbenzene	< 25	ug/kg	7.7	25	1	GRO95/8021		12/6/2013	CJR	1
Methyl tert-butyl ether (MTBE)	< 25	ug/kg	8.1	26	1	GRO95/8021		12/6/2013	CJR	1
Naphthalene	< 25	ug/kg	22	70	1	GRO95/8021		12/6/2013	CJR	1
Toluene	< 25	ug/kg	8.4	27	1	GRO95/8021		12/6/2013	CJR	1
1,2,4-Trimethylbenzene	< 25	ug/kg	10	33	1	GRO95/8021		12/6/2013	CJR	1
1,3,5-Trimethylbenzene	< 25	ug/kg	9.3	30	1	GRO95/8021		12/6/2013	CJR	1
m&p-Xylene	< 50	ug/kg	16	50	1	GRO95/8021		12/6/2013	CJR	1
o-Xylene	< 25	ug/kg	10	32	1	GRO95/8021		12/6/2013	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

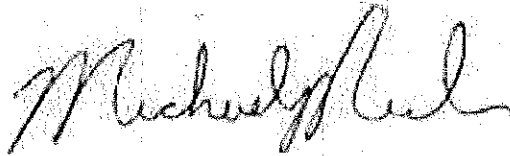
LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature



Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: 131106
Sampler: (signature) [Signature]

Project (Name / Location): 5800 S. HOWELL AVE

Reports To: <u>MICE</u>	Invoice To: <u>same</u>
Company: <u>FEL Inc.</u>	Company: _____
Address: <u>6437 W. Sidney Place</u>	Address: _____
City State Zip: <u>MILLWAUKEE WI 53229</u>	City State Zip: _____
Phone: <u>414.228.9815</u>	Phone: _____
FAX: <u>414.228.9816</u>	FAX: _____

Analysis Requested

Other Analysis

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
<u>5026209H</u>	<u>TINLBASE (EAST)</u>	<u>12/10</u>	<u>AM</u>		<u>X</u>		<u>3</u>	<u>SOIL</u>	<u>mech</u>	<u>X</u>													<u><1</u>
<u>B</u>	<u>TINLBASE (WEST)</u>	<u>12/10</u>	<u>AM</u>		<u>X</u>		<u>3</u>	<u>SOIL</u>	<u>mech</u>	<u>X</u>													<u><1</u>

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Dunham
Temp. of Temp. Blank _____ °C On Ice: X
Cooler seal intact upon receipt: X Yes No

Relinquished By: (sign) [Signature] Time: 12:10 Date: 12-3-13
Received By: (sign) _____ Time: _____ Date: _____

Received in Laboratory By: [Signature] Time: 8:15 Date: 12-4-13