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Tank Closure Site Assessment Report
Former Nemitz Laundry
Wisconsin Dells, Wisconsin

July 24, 2008
by METCO

Excellence through experience™

This document was prepared by:

Ronald J. Anderson, P.G.
Senior Hydrogeologist/Project Manager

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July 24, 2008

City of Wisconsin Dells
Mike Horkan
P.O. Box 655
300 La Crosse Street
Wisconsin Dells, WI 53965

Dear Mr. Horkan,

Enclosed is our "Tank Closure Site Assessment Report" concerning the abandoned underground storage tank (UST) system at the Former Nemitz Laundry located in Wisconsin Dells, Wisconsin. This document presents the procedures, methods, observations, and documentation used to conduct such a project.

As required, a copy of this report will be sent to the WDNR.

We appreciate the opportunity to be of service on this project. Should you have any questions or require additional information, do not hesitate to contact me at our La Crosse office.

Sincerely,

Ronald J. Anderson PG
Senior Hydrogeologist/Project Manager

Cc: Dino Tsoris - WDNR

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INTRODUCTION

METCO was retained to perform a Tank Closure Site Assessment at the Former Nemitz Laundry located in Wisconsin Dells, Wisconsin. The purpose of this site assessment was to: 1) Document tank system abandonment, 2) Determine if petroleum products have spilled or leaked into the environment, and 3) Determine if additional investigations are needed. This report presents the data and results of this assessment.

SCOPE OF SERVICES

Duties included collecting background information, field observations, laboratory analysis of collected soil samples, and subsequent report generation. All work was done in accordance with the Department of Commerce (DCOMM) and the Department of Natural Resources (WDNR) approved methods.

PROJECT CONCERNED PARTIES

Tank System Owner
City of Wisconsin Dells
Mike Horkan
P.O. Box 655
300 La Crosse Street
Wisconsin Dells, WI 53965
608-253-2542

General Contractor
METCO
102 Enterprise Drive
P.O. Box 448
Hillsboro, WI 54634
608-489-2198

State Certified Site Assessor
METCO
Ronald J. Anderson (#41861)
1421 State Road 16
La Crosse, WI 54601
608-781-8879

SITE INFORMATION

Site Address

614 Michigan Avenue, Wisconsin Dells, Wisconsin.

Tank Closure

On June 18, 2008, a 1,000 gallon fuel oil UST was abandoned in place. The tank could not be removed due to the existing building and underground natural gas lines. Approximately 300 gallons of fuel oil was pumped from the tank and disposed. The tank was then cut open, cleaned, and completely filled with sand.

The tank was constructed of bare steel. No cracks, leaks, or holes were noticed.

On July 14, 2008, METCO used a Geoprobe to collect two soil samples at 4-8 feet below ground surface in the area of the abandoned UST. No petroleum odors or staining were noticed in the collected soils.

OBSERVATIONS

Geology

Native soils consisted of a brown to tan, medium to coarse grained sand.

Groundwater was not encountered.

Bedrock was encountered at approximately 8 feet below ground surface.

Laboratory Results

SA-1 = 43.9 ppm DRO at 4-8 feet below ground surface.
SA-2 = <10 ppm DRO at 4-8 feet below ground surface.

Soil Sampling

The soil samples were collected for laboratory analysis with as little disturbance and exposure to the air as possible.

Using a clean shovel and gloved hand, each soil sample was collected and placed in a laboratory specified, clean, clear, glass container with a screw on, Teflon lined cap. The samples were then packed in a cooler containing ice and hand delivered to Synergy Environmental Labs located in Appleton, Wisconsin.

Tool Cleaning Methods

No sampling tools were cleaned on-site and no wastewater produced.

CONCLUSIONS

Soil sample SA-1 showed a low concentration 43.9 ppm DRO and soil sample SA-2 showed no detection of contamination. This was reported to Dino Tsoris of the WDNR on 7/23/08

A copy of this report will be sent to the WDNR.

STANDARD OF CARE

The analysis and conclusions expressed in this report are based upon data obtained from the subsurface evaluation at the indicated locations and from other information discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

The conclusions and recommendations contained in this report represent our professional opinions. All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service on this project. If you have any questions or require additional information, please do not hesitate to contact us.

Appendix A/ Site Map

SITE LAYOUT MAP

NEMITZ LAUNDRY
614 MICHIGAN AVENUE
WISCONSIN DELLS, WISCONSIN

METCO
2956 AIRPORT ROAD
LA CROSSE, WI 54603
608/ 781-8879
608/ 781-8893 FAX

PO BOX 448
ENTERPRISE DRIVE
HILLSBORO, WI 54634
608/ 489-2195
608/ 489-2389

SCALE:
1 INCH = 20 FEET

DRAWN BY: ED
DATE: 7/29/04
JOB NO.: C1181

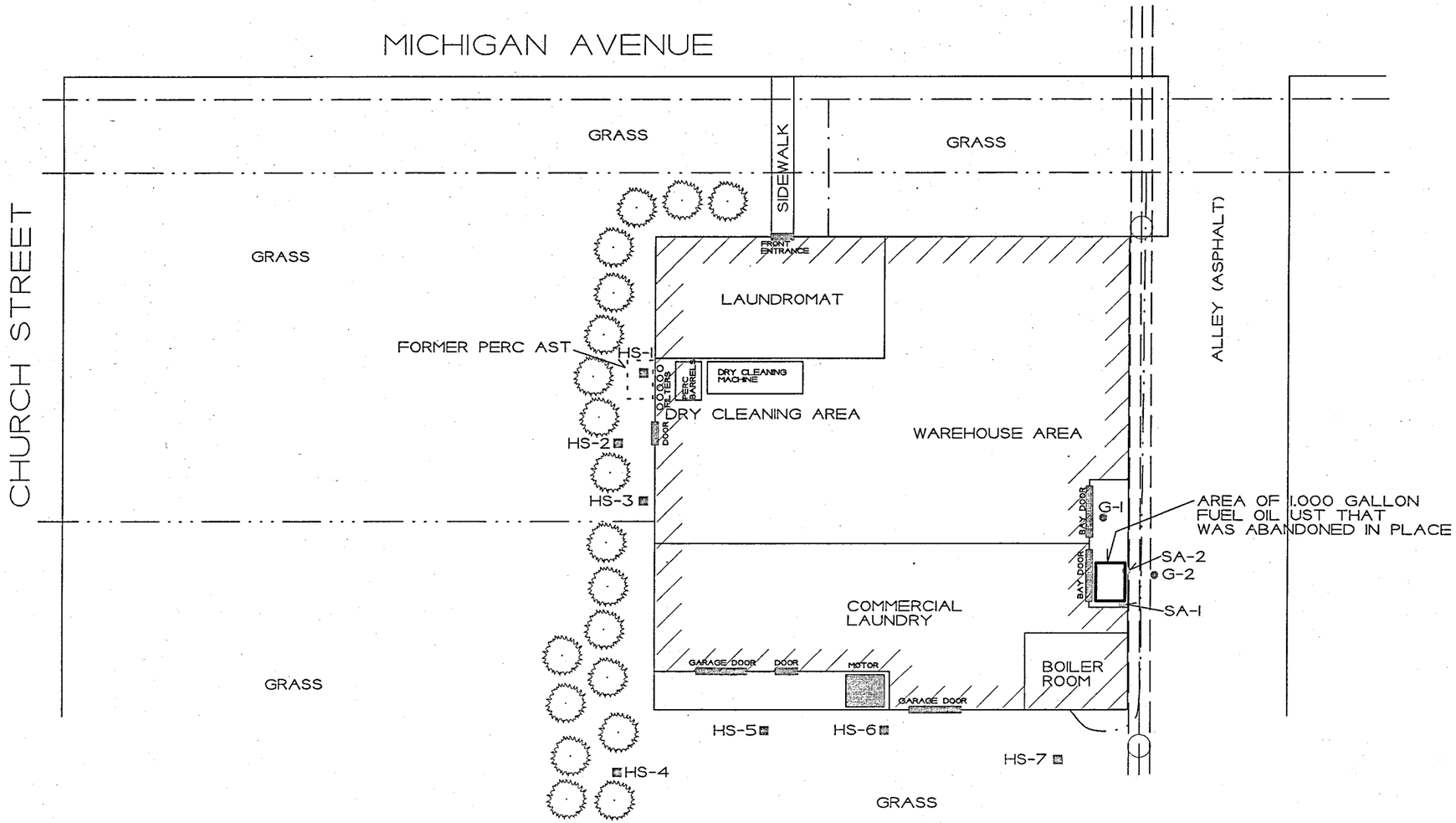
- GEOPROBE BORING LOCATION
- HAND SAMPLE LOCATION
- OVERHEAD LINES
- WATER LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE

PHASE 2 PROPERTY ASSESSMENT RESULTS (7/28/04)

HS-1 (2.5 FEET) - 1.93 PPM TETRACHLOROEHENE
HS-2 (2.5 FEET) - 0.507 PPM TETRACHLOROEHENE
HS-3 (2.5 FEET) - 0.341 PPM TETRACHLOROEHENE
0.479 PPM ISOPROPYLBENZENE
HS-4 (2.5 FEET) - 0.141 PPM TETRACHLOROEHENE
HS-5 (2.5 FEET) - 0.527 PPM TETRACHLOROEHENE
HS-6 (2.5 FEET) - 0.121 PPM TETRACHLOROEHENE
HS-7 (2.5 FEET) - 0.032 PPM TETRACHLOROEHENE
G-1 (3.5-5 FEET) - NO VOC DETECTS
G-2 (5-6.5 FEET) - NO VOC DETECTS

TANK SITE ASSESSMENT RESULTS (7/14/08

SA-1 - 43.9 PPM DRO AT 4-8 FEET BGS
SA-2 - <10 PPM GRO AT 4-8 FEET BGS



Appendix B/ Laboratory Report

Synergy Environmental Lab,

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

RON ANDERSON
METCO
1421 U.S. HIGHWAY 16
LA CROSSE, WI 54601

Report *22-Jul-08*

Project Name FMR NEMITZ PROPERTY **Invoice #** E17504
Project #

Lab 5017504A
Sample ID SA-1
Sample Soil
Sample Date 7/14/2008

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	92.8	%			1	5021		7/16/2008	MDK	1
Organic										
General										
Diesel Range Organics	43.9	mg/kg	0.82	2.6	1	DRO95		7/21/2008	MJR	1

Lab 5017504B
Sample ID SA-2
Sample Soil
Sample Date 7/14/2008

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run	Analyst	Code
General										
General										
Solids Percent	88.6	%			1	5021		7/16/2008	MDK	1
Organic										
General										
Diesel Range Organics	< 10	mg/kg	0.82	2.6	1	DRO95		7/21/2008	MJR	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.

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD

Synergy Environmental Lab, Inc.

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

Chain # No 0253

Page 1 of 1

Sample Handling Request
___ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No. :	**Quote No.:**
Project #:	
Sampler: (signature)	
Project (Name / Location): Former Nearbe Property	
Reports To: Mebco	Invoice To: Mebco
Company	Company
Address	Address
City State Zip	City State Zip
Phone	Phone
FAX	FAX

Analysis Requested | **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/ FID
50760 A	SA-1	7/14/08	920		X		1	S	—	X												
B	SA-2	7/14/08	940		X		1	S	—	X												

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 : Driven
Temp. of Temp. Blank. ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date

Received in Laboratory By: [signature] Time: 8:40 Date: 7.16.08

Appendix C/ State Form ERS - 8951

Former Nemitz Property – Wisc. Dells

Part B – To be completed by environmental professional

I. TANK SYSTEM SITE ASSESSMENT (TSSA)

TO DETERMINE IF A TSSA IS REQUIRED SEE COMM 10.
If a TSSA is required then follow the procedures detailed in *ASSESSMENT AND REPORTING OF SUSPECTED AND OBVIOUS RELEASES FROM UNDERGROUND AND ABOVEGROUND PETROLEUM STORAGE TANK SYSTEMS.*

1. SITE INFORMATION

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

If yes, provide the Commerce # N/A, or DNR BRRT's # 02-11-537751.

b. Number of active tanks[3] at facility prior to completion of current services USTs 1 ASTs ____

(NOTE: 3. Do not include previously closed systems or system components)

c. Excavation/Trench Dimensions (in feet) (Photos must be provided)

EXCAVATION/TRENCH #	LENGTH	WIDTH	DEPTH
N/A			

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? 60+' Ft b. Indicate type of geology[4] ____

(Note 4: Use these symbols individually or in combination as appropriate. C = Clay; SLT = Silt; S = Sand; Gr = Gravel) (S = Sand circled)

4. Receptors

a. Water supply well(s) within 500 ft of the facility? ☐ Y ☐ N If yes, specify ____

b. Surface water(s) within 1000 ft 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 PETROLEUM STORAGE TANK SYSTEMS: A Recommended Practice.

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

c. Attach a detailed Site Features & Sample Location Map

d. If there is a suspected or obvious release the Department of Commerce and the DNR must be notified immediately?

J. NOTE RELEVANT OBSERVATIONS, SPECIFIC PROBLEMS OR CONCERNS BELOW:

TABLE 1 SOIL FIELD SCREENING & GRO/DRO LABORATORY ANALYTICAL RESULTS

Sample ID #	Sample Location & Soil/Geologic Description	Sample Collection Method: Grab	Shelby Tube	Direct Push	Split Spoon	Depth Below Tank/Piping (feet)	Field Screening Result (ppm)	GRO (mg/kg)	DRO (mg/kg)
SA-1	Adj. to UST – Sand	☐	☐	☒	☐	4-8'	N/A	—	43.9
SA-2	Adj to UST – Sand	☐	☐	☒	☐	4-8'	N/A	—	<10
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				
		☐	☐	☐	☐				

TABLE 2 SOIL LABORATORY ANALYTICAL RESULTS

N/A

Sample ID #	BENZENE ug/kg	TOLUENE ug/kg	ETHYLBENZENE ug/kg	MTBE ug/kg	TRIMETHYL - BENZENES (TOTAL) ug/kg	XYLENES (TOTAL) ug/kg	NAPHTALENE ug/kg

K. TANK SYSTEM SITE ASSESSMENT COMPANY INFORMATION

Ronald S. Anderson (signature)
Tank System Site Assessor Name (print)

Ronald S. Anderson
Tank System Site Assessor Signature

41861
Certification Number #

608-781-8879
Tank System Site Assessor Telephone Number

7/24/08
Date Signed