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UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE ASSESSMENT

ONE HOUR MARTINIZING FACILITY 6737 MILWAUKEE AVENUE WAUWATOSA, WISCONSIN

April 1997

Prepared for

Mr. Charles Cass One Hour Martinizing N42 W27251 County Highway JJ Pewaukee, Wisconsin 53072

Prepared by

Geraghty & Miller, Inc. 126 North Jefferson Street, Suite 400 Milwaukee, Wisconsin 53202 (414) 276-7742

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Prepared by GERAGHTY & MILLER, INC.

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UNDERGROUND STORAGE TANK REMOVAL AND CLOSURE ASSESSMENT

ONE HOUR MARTINIZING FACILITY 6737 MILWAUKEE AVENUE WAUWATOSA, WISCONSIN

INTRODUCTION

At the request of Mr. Charles Cass, Geraghty and Miller, Inc. has completed an underground storage tank (UST) removal and closure assessment at the One Hour Martinizing facility located at 6737 Milwaukee Avenue in the City of Wauwatosa, Wisconsin. One 550-gallon fuel oil UST was removed from the site. The UST removal activities were conducted by North Shore Environmental Construction, Inc. (North Shore) (Germantown, Wisconsin). Geraghty & Miller was retained by Mr. Cass to perform oversight and site assessor duties during the UST removal.

During the closure assessment, soil samples were collected from the native soils beneath the base of the UST. One of the samples contained diesel range organics (DRO) at a concentration above the Wisconsin Department of Natural Resources (WDNR) "trigger" guideline limit of 10 milligrams per kilogram (mg/kg). However, the detected concentration was less than the generic Residual Contaminant Level (RCL) of 100 mg/kg set forth in Chapter NR 720.09 of the Wisconsin Administrative Code (WAC). Furthermore, soil staining or petroleum odors were not observed in the UST cavity. Therefore, further action is not considered warranted.

SITE BACKGROUND

The One Hour Martinizing Facility is located at 6737 Milwaukee Avenue in the City of Wauwatosa, Milwaukee County, Wisconsin. The site is located within the southwest one-

quarter of U.S. Public Land Survey Section No. 22, Township 7 North, Range 21 East. The location of the property is presented on Figure 1. The property is approximately 0.2 acre in size and is located on the southeast corner of Milwaukee Avenue and North 68th Street. The site is currently developed with an 1,380-square foot single-story building which is utilized for commercial dry cleaning operations. The site features are illustrated on Figure 2.

One 550-gallon fuel oil UST was located adjacent to the west side of the building. The date of installation and the date the UST was removed from service is unknown. The location of the UST is illustrated on Figure 2.

SCOPE OF WORK

The services performed by Geraghty & Miller for this project were completed in accordance with Chapter ILHR 10 of the WAC and included the following:

- 1. Oversight of the removal of the 550-gallon fuel oil UST.
- 2. Field screening and analytical testing of soil confirmation samples collected from the UST excavation side walls and excavation bottom.
- 3. The preparation of a written report that summarizes the scope of services, the results of the analytical testing, and appropriate recommendations.

Details regarding the tank closure and soil excavation activities are presented in the following sections. Photographs that were taken during the removal activities are included in Appendix A.

UNDERGROUND STORAGE TANK REMOVAL

Removal of the 550-gallon heating oil UST and the related closure assessment activities were performed on February 5, 1997. A summary of the services provided for the UST removal, sludge disposal, and consulting activities is presented in Table 1.

TANK REMOVAL ACTIVITIES

On February 5, 1997, North Shore performed the tank removal. Tank removal was completed following acquisition of a removal permit from the City of Wauwatosa Fire Department. The location and extent of the UST excavation are shown on Figure 3. To provide access to the UST, the overburden soils were removed and temporarily stockpiled on a synthetic liner north of the UST.

Following removal of the overburden soils, the UST was vented, and an access hole was cut into the tank to allow for cleaning. Mr. Thomas Novara of the Wauwatosa Fire Prevention Bureau was present during the UST venting and cleaning activities. After the UST was cleaned, it was removed and placed near the excavation on the north side of the property for inspection. The UST consisted of bare-steel construction. An evaluation of the condition of the UST revealed no holes, pitting, or rust stains, nor any apparent faults or defects. Copies of the Wisconsin Department of Industry, Labor, and Human Relations (WDILHR) Underground Petroleum Product Tank Inventory and Checklist for Underground Tank Closure forms are included in Appendix B.

TANK CLEANING, FUEL AND SLUDGE DISPOSAL

Prior to removal of the UST, North Shore purged the tanks of volatile and explosive vapors by vacuum extraction. The explosive and volatile vapor levels within the UST were

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measured with a combustible gas monitor. An opening was made in the UST when nondetectable vapor levels were recorded. Representatives of North Shore removed approximately 30 gallons of product and sludge from the UST. The product and sludge was placed into a 55-gallon drum and temporarily stored on-site. One Step Environmental, Inc. (Port Washington, Wisconsin) was contacted regarding the disposal of the product/sludge. The product/sludge disposal documentation is included in Appendix C.

SOIL SAMPLE COLLECTION, FIELD SCREENING, AND ANALYSIS

During the removal of the UST, no soil staining or petroleum odors were observed. A total of four confirmation soil samples were collected by Geraghty & Miller as part of the UST removal and closure activities. Two samples were collected from the north and south walls of the excavation. Samples were also collected from the native soils beneath each end of the UST. The soil sample locations and laboratory analyses were selected based on the WDNR technical guidance entitled 'Site Assessments for Underground Storage Tanks''. The soil sample locations are shown on Figure 3. The Geraghty & Miller scientist providing oversight and collecting the confirmation soil samples is certified by WDILHR as a UST Site Assessor.

The soil samples were collected and placed into new 8-ounce glass jars and covered with aluminum foil for field screening with a flame ionization detector (FID). In addition to the field screening samples, soil samples from beneath the UST were collected for laboratory analysis. For each analytical sample, a 25-gram aliquot of soil was placed into a new 2-ounce glass jar supplied by the laboratory, and a second 2-ounce glass jar was filled completely with soil. The soil samples collected for analysis were then placed in a cooler with ice. The samples were shipped on ice to En Chem, Inc. of Green Bay, Wisconsin (WDNR Certification No. 405132750), following standard chain-of-custody protocol.

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The two samples collected from the sidewalls of the excavation (Sample Nos. SS and NS) did not exhibit detectable FID readings. The two samples collected from beneath the base of the former UST (Sample Nos. EB and WB) exhibited FID readings of 4.5 and 6.0 parts per million (ppm), respectively. These two soil samples were submitted for analysis of DRO following the WDNR-Modified DRO Method. One sample, collected from beneath the west end of the former UST, did not contain a detectable concentration of DRO. The remaining sample, collected from beneath the east end of the former UST contained DRO at a concentration of 19 mg/kg. The measured DRO does not exceed the generic RCL of 100 mg/kg set forth in Chapter NR 720.09 of the WAC. Copies of the chain-of-custody form and laboratory report are included in Appendix D.

BACKFILL PLACEMENT AND COMPACTION

Approximately 50 cubic yards of soil generated during overexcavation of the UST basin were temporarily stockpiled on-site. Based on visual observations and field screening results, the soils were placed back into the excavation and compacted after the UST was removed. To bring the excavation up to grade, clean, imported gravel was placed in the excavation and compacted. The backfilled excavation will likely be paved with asphaltic concrete in the spring of 1997.

TANK DISPOSAL

Following completion of the tank cleaning activities the tank was transported to Kimmel Metals, Inc. for recycling as scrap metal. A copy of the tank recycling bill-of-lading is included in Appendix C.

SUMMARY AND CONCLUSIONS

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The following is a summary of the tank closure activities completed at the One Hour Martinizing site:

- One 550-gallon fuel oil UST was removed from the site on February 5, 1997.
 Four soil confirmation samples were collected from the sidewalls and base of the UST excavation for field screening. Two samples collected from beneath the former UST were submitted for laboratory analyses of DRO.
- 2. The four soil samples exhibited low to nondetectable FID readings. One of the two samples submitted for analysis contained a DRO concentration of 19 mg/kg. The measured DRO does not exceed the generic RCL set forth in Chapter NR 720.09 of the WAC. The remaining sample did not contain a detectable concentration of DRO.
- 3. The UST was properly cleaned prior to off-site recycling. The sludge was removed from the UST and subsequently transported off-site for proper disposal.
- 4. The UST excavation was backfilled and compacted with the excavated overburden soils and clean, imported backfill material.

RECOMMENDATIONS

Based on the tank closure and site assessment services completed by Geraghty & Miller at the location of the former fuel oil UST at the One Hour Martinizing facility, further investigation and/or remediation is not warranted. Geraghty & Miller recommends that the site receive closure from the WDNR in accordance with Chapter NR 726 of the WAC.

onehrmar\wi0615\ust\reports\ustclos.doc

GERAGHTY & MILLER, INC.

Table 1. Summary of Tank Removal, Disposal, and Consulting Services, One Hour Martinizing,6737 Milwaukee Avenue, Wauwatosa, Wisconsin.

UST Closure Consultant:	Kevin Daleness Scientist/Hydrogeologist WDILHR UST Site Assessor No. 242351
	Geraghty & Miller, Inc. Milwaukee, Wisconsin
UST Removal and Disposal and Soil Excavation Contractor:	North Shore Environmental Construction, Inc. Germantown, Wisconsin
City of Wauwatosa UST Inspector:	Thomas Novara WDILHR Inspector No. 00139
Tank Cleaning Contractor:	North Shore Environmental Construction, Inc. Germantown, Wisconsin
Sludge Disposal Facility:	One Step Environmental, Inc. Port Washington, Wisconsin
Tank Disposal Location:	Kimmel Metals, Inc. Milwaukee, Wisconsin
Soil Analytical Laboratory:	En Chem, Inc., Green Bay, Wisconsin (WDNR Certification No. 405132750)

hertzpen/wi0590/ustremov/tables/tanksum.xls







APPENDIX A

Photographs of UST Removal Activities



MILLER, INC. Environment and Infrastructure a heidemij company

DRAWING: PHOT_PG1.AI GRAPHICS FILE NO .: PN: ONEHRMAR\WI0615\UST 27MAR97 DWG DATE:

ELS

DRAFTER:

APPROVED

CHECKED: EAB



PHOTOGRAPH 3: Opening of the UST to provide access for cleaning.



PHOTOGRAPH 4: Backfilling of the excavation with imported fill material following collection of confirmation samples.

& MILLER, INC. Environment and Infrastructure a heidemij company

ELS

DRAFTER:

APPROVED

CHECKED: EAB

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GRAPHICS

FILE NO .:

PN: ONEHRMAR\WI0615\UST

DWG DATE: 27MAR97

APPENDIX B

Underground Petroleum Product Tank Inventory Form and WDILHR Checklist for UST Closure

GERAGHTY & MILLER, INC.

	nsin	Department of Industry,	
or	and	Human Relations	

ffice Use Only:

. ID #

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To: Safety & Buildings Division P.O. Box 7969 Madison, WI 53707 Telephone (608) 267-5280

is form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that
stored or currently store petroleum or regulated substances. Please see the reverse side for additional information
uis program. An underground storage tank is defined as any tank with at least 10 percent of its total volume
luded piping) located below ground level. A separate form is needed for each tank. Send each completed form
() agency designated in the top right corner.

jistration applies to a tank that is (check one): In Use or New 4. 本) Closed - Tank Removed Abandoned With Product 6. Closed - Filled With Abandoned No Product (empty) Inert Material or With Water 7. Clout of Service	8. [] Changed Ow (Indicate nev below)	nership v owner	Fire Department Providing Fire Coverage Where Tank Located: Wauwatosa			
IDENTIFICATION: (Please Print) nk Site Name Site Add	^{tress} 6737 W.	Milw	aukee Ave.	Site Telephone No.		
City [] Village [] Town of:	State	Zij	p Code	County		
vner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Ad	dress (mai	sent here unless in	dicated otherwise in #3)		
City X Village () Town of: Pewaukee	State WI		53072	County Waukesha		
ternate Mailing Name II Different Than #2	Alternate Mailing	Street Add	dress II Dillerent Fro	om #2		
City [] Village [] Town of:	State	Zij	p Code	County		
nk Age (date Installed, II known: or years old) 5. Tank Capacity (ga	llons) 6. Tank Ma	nulacture	r's Name (II known)	· · · · · · · · · · · · · · · · · · ·		
TYPE OF USER (check one): Station Former 2. Industrial 6. Agricultural 10.	3. 📋 Utility 7. 📋 School		4. [] 8. []	Mercantile Residential		
TANK CONSTRUCTION: Dare Steel 2. Cathodically Protected and Construction Coated Steel 4. Fiberglass Relined 7. Steel - Fiberglass Reinforced Plant	ated Steel (A. [] Sac 5. astic Composite 9.	rificial An Other Unkn	odes or B. [] Impr r (specify): own	essed Current)		
proval: 1. [] Nat'l Std. 2. [] UL 3. [] Other:			ls Tank Doubl	e Walled? [] Yes [X] No		
erfill Protection Provided? Yes (2) No. If yes, identify type:	r monitoring 3 [1 Ground	Spill Containn	nent? Yes X No		
Hess testing 5. I Interstitial monitoring 6. 2 Not required at pr	esent 7. [Man	ual Tank (Gauging (only for ta	inks of 1,000 gallons or less)		
PIPING CONSTRUCTION M Bare Steel 2. □ Cathodically Protected and Coated or Wrapped St Fiberglass 5. M Other (specify): C. クロロチャ	eel (A. 📋 Sacrificial	Anodes o	r B. [] Impressed C	urrent) 3. 🗍 Coated Steel 9. 🗍 Unknown		
iystem Type: 1. Pressurized piping with: A. auto shutoff; B. 3. Suction piping with check valve at pump and insp	alarm; or C. [] flow ectable	restrictor	2. Dr Suction pip	ing with check valve at tank		
ng leak detection method: used if pressurized or check valve at tank: 1. [Groundwater monitoring 4. [] Tightness testing 5. [Vapor monitoring Line Leak Detector	2. 6.	Interstitial monit	loring		
r al: 1, Nat'l Std 2, UL 3, Other;			Double Walled:	Ves XNo		
TANK CONTENTS Diesel 2. Diesel 2. Gasohol 6. Unknown 10. Chemical *	3. [] Unleaded 7. [] Empty 11. [] Waste Oil 14. [] Kerosene ical or waste.		4. 🕅 8. 🗍 12. 🗍 15. 🗍	Fuel Oil Sand/Gravel/Slurry Propane Aviation		
ink Closed, Give Date (mo/day/yr): Q - 5 - 9 M	Has a site assessme	ent been co	ompleted? (see rev {Yes □No	verse side for details)		
stailation of a new tank is being reported, indicate who performed the ins	stallation inspection:					
Fire Department 2. 🗍 DILHR	3. [] Other (idea	ntify) _		·····		
i it Owner or Operator (please print): Charles Cass		Indicate V	Whether: (\$ Owner or E] Operator		
sture of Owner or Operator:		Dale Sign	ed: - 5-97			

IMPORTANT. Complete as many items on this form as possible. Failure to provide sufficient

Visconsia Department of abor and Human Relation Complete one for	f Industry, ons m for	CHECKLIST TA The information you p	FOR UNDERC NK CLOSURE	GROUND) <u>RETURN COMPLETED CHECKLIST TO:</u> Safety & Buildings Division Fire Prevention & Underground Storage Tank Section				
IDENTIFICATION: (Ple Site Name	P. O. Box 7969 ロ Tank Onl う	9, Madison, WI 53707							
Lite Street Address (not P.O. B City UV State	ox) 57 W. age SQ. p Code	MILUCUUI Town of:	Owner Street	Address 12725/ Village Towr 20Kee Teleph	Huy J.	$ \begin{bmatrix} Zip Code \\ $			
Closure Company Name (P NUCHA SHOVE CI	$\frac{533213}{10}$	151-, Inc. N	KCC Ward	ddress, 2 FUIII A	Dr.				
Closure Company Telephone Ne 414) 255 - 44	o. (include area	a code) Clo Sessment Ass	sure Company City, Sta	te, Zip Code	31.22 te, Zip Code				
Cleraghty # Telephone # Unclude area coo 4/1/1, 27/17 - 7742	MILLEY de) Certified A	ssessor Name (Print)	Lr N. JEFFEL 55 Assessor	SON SL. SU	<u>110, 410,</u>	NILU: WI532LA Assessor Certification No. 24235			
Tank ID #	Closure	Temp. Closure	Closure In Place	Tank Capacity	Contents *	Closure Assessment			
				550	04				
2									
2									
				· · ·					
5.									
	<u>_</u>			· · · ·					
ndicate which product by	numeric code	e: 01-Diesel; 02-Lea	ded; 03-Unleaded; 0	4-Fuel Oil; 05-Gas	ohol; 06-Other	; 09-Unknown; 10-Premix;			
local permits were obtained	aed to the lo ed before be	cal agent 15 days in ginning closure.	advance of closure	oate	• • • • • • • • • • • • • • •				
Check applicable box at TEMPORARILY OUT Written inspector approv	right in res OF SERVI al of tempor	sponse to all stat CE ary closure obtained	ements in Sectior , which	ns B - E.	<u>Ren</u> Ver	nover Inspector NA rified Verified			
is effective until (provide	date)		,		· · · · · · 🏳 Y				
a. Product lines drain	ed into tank	(or other container) a	and resulting liquid re	emoved, AND	····· [])				
b. All product remove	ed to bottom	of suction line, OR			·····				
2. Fill pipe, gauge pipe,	tank truck va	apor recovery fittings	, and vapor return lir	nes capped.	D1				
 All product lines at the A Dispensers/ourpostel 	e islands or p t in place bu	oumps located elsew	here are removed a	nd capped, OR	····· []				
5. Vent lines left open.				*****					
6. Inventory form filed in	idicating tem	porary closure			·····				
CLOSURE BY REMO	VAL								
1. Product from piping d	Irained into ta	ank (or other contain	er)		····· 184				
3. All liquid and residue	removed fro	m tank using explosi	on proof pumps or h	and pumps.	·····				
4. All pump motors and	suction hose	s bonded to tank or	otherwise grounded.		····· 🖓				
5. Fill pipes, gauge pipe NOTE: DROP TUBE THE USE OF AN EDI	s, vapor reco SHOULD NO JCTOR.	overy connections, s OT BE REMOVED IF	THE TANK IS TO E	nd other fixtures ro BE PURGED THR(onovea. LAN DUGH				
b. vent lines left connec7. Tank openings tempo	ted until tank rarily plugge	s purged.	bugh vent.	· · · · · · · · · · · · · · · · · · ·					
8. Tank atmosphere red	uced to 10%	of the lower flamma	ible range (LEL) - <u>se</u>	e Section F.	D X				
to prevent movement					<u>D</u> Y				
10. Tank cleaned before I	being remove	ed being removed fr	om site	· · · · · · · · · · · · · · · · · · ·	····· 🗗	$(\Box N) \not \Box$			
3D-8951 (R. 06/94)		- C	ONTINUE ON NEXT	PAGE -	- •				
						4.			

CLOS IDE BY DEMOVAL (continued)	Remover Inspector NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE;	
FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.	
2. Tank vent noie (1/8 th in uppermost part of tank) installed prior to moving the tank from site	
¹ 4. Site security is provided while the excavation is open.	
	<u>A</u> <u> </u>
NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL	
OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.	
1. Product from piping drained into tank (or other container).	
 2. Piping disconnected from tank and removed. 3. All liquid and regidue removed from tank using evolution proof pumps or band pumps. 	
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH	
6 Vent lines left connected until tanks ourged	
7. Tank openings temporarily plugged so vapors exit through vent.	
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	
9. Tank properly cleaned to remove all sludge and residue.	
 Solid inert material (sand, cyclone boller slag, pea gravel recommended) introduced and tank lilled. Vent line disconnected or removed 	
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	
NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.	
1. Individual conducting the assessment has a closure assessment plan (written) which	
is used as the basis for their work on the site.	
2. Do points of obvious contamination exist?	
4. Was a field screening instrument used to pre-screen soil sample locations?	
5. Was a closure assessment omitted because of obvious contamination?	
3. Was the DNR notified of suspected or obvious contamination?	
Agency, office and person contacted:	ater Field Instrument Test
Educator Or Diffused Air Blower	
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of	of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.	
Dry ice introduced at 1.5 pounds per 100 gallens of tank capacity. Dry ice crushed and distributed a	over the greatest possible tank
area. Dry ice evaporated before proceeding.	over the greatest possible talk
Inert Gas (CO/2 or N/2) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHER	RE. 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.
X Tank atmosphere monitored for flammable or combustible vapor levels	j device grounded.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space	e monitored at bottom, middle
and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained be	fore removing tank from
ground.	
INOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW	
REMOVER/CLEANER INFORMATION	
Felleri N. Stronde XUIII. July 0185	3 2.5-97
Remover Name (print) Remover Signature, 7 Remover Certi	fication No. Date Signed
INSPECTOR INFORMATION	
Theirs have a line of The 11	10129
Inspector Name (print)	Inspector Certification No
$\frac{1}{\sqrt{3}}$	
FDID # For Location Where Inspection Performed Inspector Telephone Number	Date Signed
UWNER CONTRACTOR	

APPENDIX C

Tank and Sludge Disposal Documentation

and a state of the state of the sector NON HAZARDOUS I. GOTHERN'S US PPAID NO Maniles I 2. Pauro 1 00359 ai I WASTE MANIFEST 3. Generator's Name and Malling Address Chuck Cass Property 137 W. Milus t082 Generator's Phone (128 18950 Cone ste US EPA ILI NUI Transporter I Company Name P2XXAP Na 7. Transporter 2 Company Name US FPA ID Number 6. Design that Fuellity Marrie and She Advinues Transponer's Phone US EPA ID Number 10. 20243576 STABILIZATION SYSTEMS, INC. Transpontur's Priorie Ð, **3BO1K WEST MCKINLEY AVE.** Facility's Phone MILWAUKEE, WI 53208 414-342-1852 12. Containers 14. Unit Witte 13, Totel 11, Weste Shipping Name and Description Type Nh. QUEINNY non hazardan ust wask 101000040 6 D. Additional Desentations for Materials Liebod Abuve E Hanniling Codes for Wastes Used Alumn Environmentel q=g=)lors BIN TO One Sto 15. Boocial Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION:) training the method of the data deserve of the method of rate subject to method regulations for Hyperbolic Public deserve of Hermitians Washe Public Typed Name لدرياكم 139 Loiselle tamela 17. Transporter 1 Acknowic dgement of Receipt of Materia Printed Typed Nom ODLE 2001 07839 18 Transporter 2 Adviowedgement of Requipt of Materials Printed/Typed Name Signatura La, يليلو Line) . 19. Distropancy Indigation Spatas 20. Facility Concerner Conduction of receipt of whiste meterels revealed by this manifest except as noted in from 19. Primerryand New Signeture PAL WHITE - Original Return to Semerator + CARAFT - Transporter #1 + PINK - Transporter +2 + HLUE - Scherator & Copy + GOLD - THANK Copy



WI office: 133 E. Main • P.O. Box 248 Port Washington, WI 53074 414-284-8950 • FAX 414-284-8951 *IL office:* 913 Knottingham Dr. • Suite 1-A Schaumburg, IL 60193 708-894-5746 • FAX 708-894-6089

ENVIRONMENTAL, INC.

DRUMMED TANK/SOIL WASTE DISPOSAL FORM

for: NORTH SHORE ENVIRONMENTAL CONSTRUCTION, INC.

Today's Date_<u>2-5-97</u> Project #<u>47605</u>

SITE INFORMATION

Company Name Chuck Cass
Site Address 6737 W. milwaukop St
City Manuscripto State W. Zin Code
Federal EPA ID # _12A
PROJECT INFORMATION Fuel Oil
Project type: Gas Station <u>X</u> Drycleaner <u>X</u> Other Specify: Former Gas Station
Waste is: Liquid K Waste is from: Excavation Sludge X Solid X Solid X Solid S
Container type: 55gl openhead (17-H) 55gl bunge (17-E) 85gl overpack Other Specify:
Number of Containers for Project:
COMMENTS: 98% Aiguids; 1% Studge; 1% Solids
This form completed by: <u>Feve Strande</u> Phone # 255-4468

ALL SAMPLES TO BE PICKED UP THURSDAY P.M.'s.

9/95



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33-	E. Mai	ln St.						:			:	,		20	0.0
P.O.	Box 2	248							l				4	20	09
Port	Washi	ngton.	wΥ	53074	4		•	•					Invoic	e Da	ite:
	:	,			-							Ma	r 14,	19	97
v oice:	(41	4)284-8	950					1				. !		Pa	
Fax:	(41	4)284-8	951											. i u	90. 1:
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THIS S	HIPPING ORDER must be legibly tilled in, in ink, in In Carbon, and retained by	Indelible Pencil, or the Agent.		Shipı Carı	per's No				
CARRIER:	North Shore Environmental Construct	ion, Inc.	SCAC				Date	e <u>2/5</u>	5/97
TO: Consignee Street Destination	Kimmel Metals 11000 W. Brown Deer Rd. Milwaukee, WI 53224 Zip	FROM Shipper Street Origin	67 Wa	737 W. auwato	Milwau bsa, WI !	kee, 53213	Ave }	• Zip	
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	Clean, cut & scrap 1-550 gal.		,						
	Fuel Oil Underground Storage Tank	n/a							
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RECEIVED, su packages unkno contract) agrees or any portion o governing classi Shipper hereby o	bject to the classifications and lawfully filed tariffs in effect on the date of issue of this E wn), marked, consigned, and destined as indicated above which said carrier (the word ca to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver I said route to destination and as to each party at any time interested in all or any said ication on the date of shipment.	Bill of Lading, the propert rrier being understood the r to another carrier on the property, that every ser assification and the said to	y described oughout this route to said lice to be pe erms and cor	above in ap s contract as d destination. arformed her nditions are h	parent good order, meaning any persor It is mutually agreed eunder shall be sub ereby agreed to by	except as r n or corpora d as to each gect to all the the shipper	noted (co ation in p the carrier of the bill of and acco	onlents and co cossession of t of all or any of I lading terms epted for hims	ndition of contents of he property under the , said property over all and conditions in the elf and his assigns.
This is to certify that the labeled and are in pro- Department of Transpo	e above-named materials are properly classified, described, packaged, marked and oper condition for transportation according to the applicable regulations of the regulation.	RDS RED N	/A		PLACARDS SUPPLIED		YES	NO - FUF	NISHED BY CARRIER
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APPENDIX D

Chain-of-Custody Form and Soil Analytical Results

E	CH		<u> </u>	Lab Certifica Wisconsin: Minnesota: Iowa:	tions 405132750 055-999-334 135	·		chemisti	ry for the	environme	ent
				Location	: OHM-WAUWAT	OSA/#WIO	597002				
1795 In	dustrial Drive	;		Your Sample I	D: WB						
Green E	3ay, WI 54302	;		Sample Desc.	:						
414-469	9-2436			Sample Matrix	: SOIL	Date	Collect	ed: 02/05/	1997		
800-7-Е	NCHEM			En Chem Proj#	: 9702059	Date	Received	d : 02/06/	997		
Fax: 414	4-469-8827			En Chem Lab #	: 214707	Date	Reported	d : 02/10/	997		
Bill to	126 NORTH MILWAUKEE D: GERAGHTY	JEFFERSON , WI 53202 & MILLER,	STREET								
Analysis	Prep Method	Prep Date	Analysis Method	Analysis Date	Analyzed By						
TOTSOLID			SM2540G	02/07/199	7 PHS						
	Parameter			Re	sult Units	Flag	LOD	LOQ			
	Total Solids				81 percent						
	Prep	Pren	Analysis	Analysis	Analyzed						
Analvsis	Method	Date	Method	Date	By						
					- /						
DRO-S		02/07/199	7 WDNR MOD	DRO 02/08/199	7 PHS						
	Parameter			Re	sult Units		Reporti	ng Limit			
	Diesel Range Soil spike	Organics(DRO)-Soil		ND mg/kg 85 % RECOV			4.9			

85 % RECOV

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

These results have been reviewed and their authenticity verified by: \subseteq

Soil spike duplicate

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E	CF		1	Lab Certifica Wisconsin: Minnesota: Iowa:	tions 405132750 055-999-334 135	chemis	try for the environment
				Location	: OHM-WAUWAT	OSA/#WI0597002	
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Fax: 414	4-469-8827			En Chem Lab #	: 214708	Date Reported : 02/10	/1997
Report Bill to	to: GERAGHTY 126 NORTH MILWAUKEE D: GERAGHTY	& MILLER, I JEFFERSO E, WI 5320 & MILLER,	INC. N STREET 2 INC				
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Analysis	Method	Date	Method	Date	By		
DRO-S		02/07/19	97 WDNR MOD	DRO 02/08/199	7 PHS		
	Parameter			Re	sult Units	Reporting Limit	
	Diesel Range	e Organics	(DRO)-Soil		19 mg/kg	3.6	
	Soil spike				85 % RECOV		ć
	Soil spike o	luplicate			85 % RECOV		

"ND" Indicates no detectable analyte at or above the listed detection limit. All results reported on a dry weight basis. All subcontracted analyses are performed by appropriately certified laboratories.

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These results have been reviewed and their authenticity verified by:

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SRAC MILLER, INC. Environmental Services a heidemij company			Laboratory Task Order No				CHAIN-OF-CUSTODY RECORD						of
Project Number WIS0597002 SAMPLE BOTTLE / CONTAINER DESCRIPTION													
Project Location DHM - WAVWATOSA													
Laboratory ENCHEM /5020 /20													
Sampler(s)/Affiliation KEVIN L. DALENESS 3 0 x 3 5													
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Sample Code: L = Liquid; S = Solid; A = Air Containers													4
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