Walworth-SED BRRTS # 09-65-2915941

UNDERGROUND STORAGE TANK CLOSURE ASSESSMENT

FOR

THE CITY OF DELAVAN, WISCONSIN

701 EAST GENEVA STREET - DUTCH MAID CLEANERS

WALWORTH COUNTY, WISCONSIN

SEPTEMBER 7, 1989

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WALWORTH COUNTY, WISCONSIN

Prepared By:

James J. Mertes

rechnical Specialist

Aqua-Tech, Inc.

Date:

9-7-89

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1.0 SUMMARY

Aqua-Tech, Inc. was contracted by the City of Delavan Public Works Department on July 21, 1989, to conduct an underground storage tank removal and closure assessment for seven underground petroleum storage tanks located at the northeast intersection of Geneva and 7th Streets, Delavan, Wisconsin. The tank removal and closure assessment included the following:

- * Excavation and safe disposal of seven underground petroleum storage tanks per Wisconsin DILHR regulations.
- * Disposal of waste oil and sludge from the tanks in accordance with all local, state, and federal laws.
- * Screening the tank bed for volatile compounds with a photoionization meter.
- * Collection of eleven (11) soil samples and laboratory
 analysis of the samples for Total Petroleum Hydrocarbons.
- * Documentation of sampling procedures and soil conditions at the tank bed excavation.

The results of the assessment indicate that THE SOILS AT THE SITE ARE NOT CONTAMINATED WITH PETROLEUM PRODUCTS. No TPH levels above the 10 ug/g Wisconsin Department of Industry, Labor and Human Relations (DILHR) remedial action level were detected. Field screening of the tank bed with a photoionization meter indicated that only a trace of volatile organic compounds (<3 ppm) were present. Groundwater was not present in the excavated tank bed and, based on soil sample analyses, GROUNDWATER IS BELIEVED TO BE UNCONTAMINATED BY PETROLEUM PRODUCTS.

2.0 SITE ASSESSMENT PROCEDURES AND FIELD OBSERVATIONS

2.1 Introduction

This section outlines procedures and observations of the underground storage tank closure assessment at the City of Delavan site in Walworth County, Wisconsin. Individual subsections address specific assessment activities including field observations, sampling procedures, and chain-of-custody procedures.

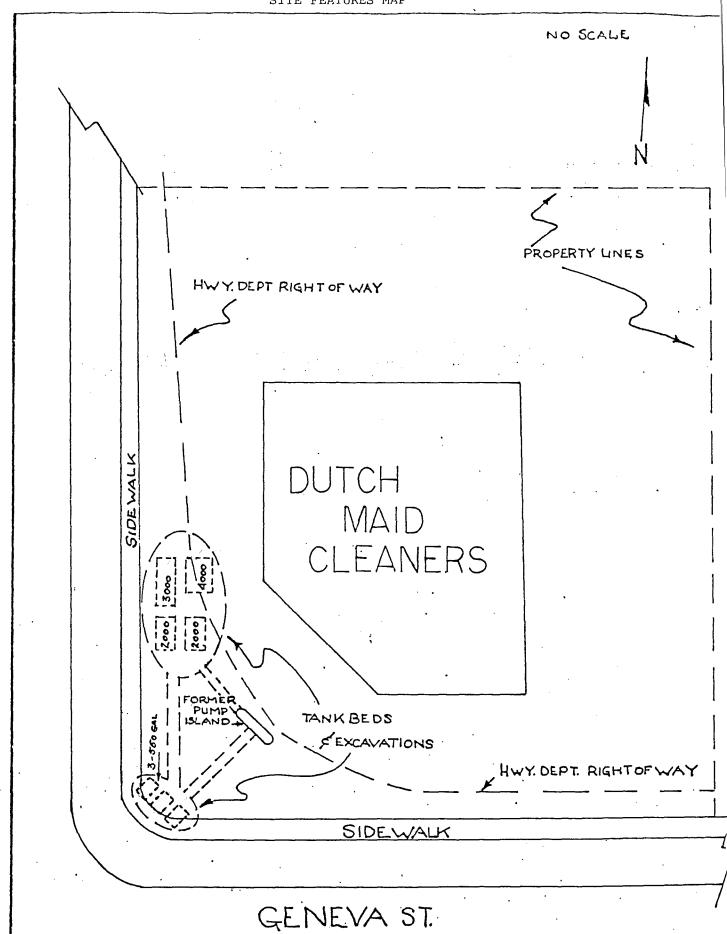
2.2 Background Information

The following inactive underground storage tanks and associated piping were removed from the Dutch Maid Cleaners parking lot at 701 East Geneva Street on August 7 and August 8, 1989 (See Figure 2-1).

Contents	Capacity (Gallons)	Installation <u>Date</u>
Diesel Fuel	3000	Unknown
Gasoline	4000	Unknown
Gasoline	2000	Unknown
Gasoline	2000	Unknown
Gasoline	550	Unknown
Gasoline	550	Unknown
Waste Oil	550	Unknown

The tanks were removed to make way for State Highway 50 right-of-way expansion.

All of the tanks are believed to have been out of service since approximately 1965, when the site was transformed from a gas station to a dry cleaning service. There are no records of the underground tanks at the Wisconsin Department of Industry, Labor, and Human Relations.



CITY OF DELAVAN



2.3 Field Observations

Aqua-Tech personnel arrived at the City of Delavan site on August 7, 1989, to supervise the tank removal process. Seven inactive underground petroleum storage tanks and associated piping were removed by Auto-Quip, Inc., Milwaukee, Wisconsin, on August 7 and August 8, 1989.

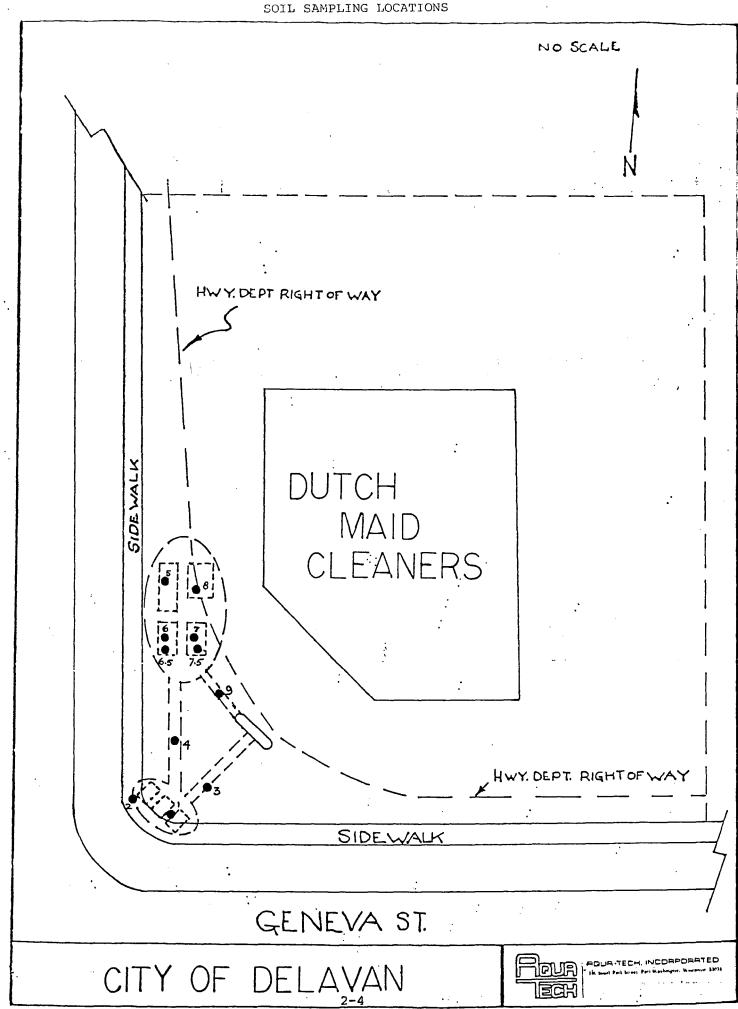
Prior to excavation, the liquid tank contents were pumped and disposed of by National Tank Service of Wisconsin, Inc. (See Appendix A). A total of 925 gallons of liquid was removed.

The seven steel tanks were transported to National Tank Service of Wisconsin, Inc. where they were cleaned, cut up, and sold as scrap.

Several of the tanks had small holes and perforations; however, no product appeared to be present in the excavated tank beds.

2.4 Sampling Procedures

Eleven (11) soil samples were collected on August 7 and August 8, 1989, by James J. Mertes of Aqua-Tech at locations depicted in Figure 2-2. Soil samples were collected from the excavation floor of the tank bed and piping. A photoionization meter was used for field screening of soil samples within the excavation. The samples which produced the highest readings were packed into four ounce jars, cooled to 4°C, and sent to the Aqua-Tech laboratory in Port Washington, Wisconsin for analysis. Results of the photoionization meter survey are recorded in Table 3-1.



2.5 Chain-of-Custody Procedures

This section describes procedures used for sample identification and chain-of-custody. The purpose of these procedures was to ensure that the integrity of the samples was maintained during their collection, transportation, and storage through analysis.

Sample identification documents were carefully prepared so that sample identification and chain-of-custody was maintained and sample disposition controlled. Sample identification documents included:

- * Field Notebooks
- * Sample Labels
- * Chain-of-Custody Records

Each sample was labeled, physically preserved, and sealed immediately after collection. To minimize handling of sampling containers, labels were filled out prior to sample collection. The sample label was completed using waterproof ink and was firmly affixed to the sample containers. The sample label gave the following information:

- * Location
- * Sample Number
- * Date and Time of Collection
- * Analysis Required
- * Name of Sampler

The chain-of-custody was fully completed in duplicate by the Aqua-Tech sampler (See Appendix B) immediately following sample collection.

Transfer of Custody Shipment

The coolers in which the samples were packed were accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them signed, dated, and noted the time on the chain-of-custody record. This record documents sample custody.

Laboratory Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the sample identification number matched that on the chain-of-custody record. A copy of the completed chain-of-custody record was retained by the laboratory until analyses were complete. The record was then transferred to the site file with the analytical results.

3.0 ANALYTICAL PROCEDURES AND RESULTS

3.1 Introduction

This section includes results of chemical analysis of Aqua-Tech collected soil samples for Total Petroleum Hydrocarbons (TPH) using U.S. EPA Methods 5030 and 3540.

3.2 Analytical Procedures

Analytical methods utilized for the sampling tasks are referenced in Appendix C. Included in Appendix C are sample volumes and containers, preservatives, maximum holding times, and minimum routine detection limits.

Methodology references contain specific QC criteria associated with the particular methods. These specific requirements include calibration and QC samples and are described in detail within the methods. Daily performance tests and demonstration of precision and accuracy are required.

3.3 Results of Chemical Analysis of Aqua-Tech Collected Samples

Chemical analysis of Aqua-Tech collected soil samples
revealed no contaminants above the 10 ug/g Wisconsin

Department of Industry, Labor and Human Relations (DILHR)
remedial action level. Table 3-1 contains complete results
of the chemical analysis for each sample.

TABLE 3-1

CITY OF DELAVAN

RESULTS OF CHEMICAL ANALYSES OF AQUA-TECH COLLECTED SOIL SAMPLES

COLLECTED: AUGUST 8, 1989

ANALYZED: AUGUST 22, 1989

	Field Photoionization	ጥ⊜ጥλ፣ ⊅	ETROLEUM HYDROCA	ADRONS AS.
Sample Number	Meter Readings	Gasoline	Diesel	Waste Oil
	(parts per million)	(ug/g)	(ug/g)	(ug/g)
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2	0	<10		·
3 .	0	<10		
4	0	. <10		
5	2		<10	
6	0	<10		
6.5	0	<10	 220	
7	2	<10		
7.5	0	<10	~~~	
8	0	<10		
9	0	<10		

All results reported on a dry weight basis as required by Wisconsin Department of Industry, Labor and Human Relations

4.0 DISCUSSION

4.1 Introduction

This section discusses data and information that applies to observed and potential contamination that may be attributable to the City of Delavan tank bed site.

4.2 Soil

Petroleum products were not detected in the soil at the City of Delavan site above the 10 ug/g DILHR remedial action level. In addition, field screening of the samples with a photoionization meter did not indicate any significant above background levels of volatile organic compounds. There was no evidence of leakage or spillage of petroleum compounds at the site (e.g., stressed vegetation, stained soil).

4.3 Groundwater

No groundwater samples were collected because the tank bed did not reach the water table. The elevation of the water table at the site is unknown. However, groundwater is not believed to be contaminated since there was no indication of contamination in the soil surrounding the tanks.

5.0 RECOMMENDATIONS

After completing the environmental site assessment of the City of Delavan underground storage tank site, Aqua-Tech, Inc. does not recommend any further investigation or corrective action. Based on analytical results of the samples collected, soil and groundwater are not believed to be contaminated in the area surrounding the tank bed.

APPENDIX A

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APPENDIX C

APPENDIX C

UNDERGROUND STORAGE TANK CLOSURE SOIL SAMPLE HANDLING AND ANALYSIS

Type of Analysis	Method (Extraction, Analysis)	Bottles (volume)	Preservative	Maximum Holding Time (Analyze as soon as possible)	Minimum Routine Detection Limit (ug/g, ppm)
On-site Screening for Volatile Organics	Headspace Analysis	1 - 4oz glass jar (half full)	None	1 Day	1
Halogenated Volatile Organics	EPA* 5030,8010	1 - 4oz glass jar (no headspace)	Cool to 4°C	14 Days	1
Benzene, Toluene, Ethyl benzene, Xylene (BIEX)	EPA 5030,8020	1 - 4oz glass jar (no headspace)	Cool to 4°C	14 Days	1
, Total Petroleum Hydro- carbons (TPH) as:					
Gasoline	EPA 5030,8020 modified	1 - 4oz glass jar (no headspace)	Cool to 4°C	14 Days	10
Fuel Oil & Kerosene	EPA 3540,8015 modified	1 - 4oz glass jar (no headspace)	Cool to 4°C	14 Days	10
Lead (Total)	EPA 3050,7420	1 - 4oz glass jar	Cool to 4°C	6 Months	0.6
EP Toxicity Metals	EPA 1310 & 3010	1 - 4oz glass jar	Cool to 4°C	6 Months	0.30
Organo lea d	AA: California DHS**	1 - 40z glass jar (no headspace)	Cool to 4°C	14 Days	0.5

^{*} U.S. Environmental Protection Agency (EPA), Test Method For Evaluating Solid Waste, Physical/Chemical Methods. Third Edition, November 1986

^{••} Leaking Underground Fuel Tank Field Manual: Guidelines for Site Assessment, Cleanup, and Underground Storage Tank Closure, State of Califorinia, Leaking Underground Fuel Tank Task Force, December, 1987.

356438 Sheboygan-5ED BB24.4-7

BB 24-4-7 EXK HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"

P.O. BOX 1249 ● 2905 PAINE AVENUE SHEBOYGAN, WISCONSIN 53082-1249 ● (414) 458-6030

October 16, 1990

Mr. Brad Wolbert
WISCONSIN DEPT. OF NATURAL RESOURCES
Bureau of Solid and Hazardous
Waste Management
Environmental Response & Repair Section
P.O. Box 7921
Madison, WI 53707

RECEIVED

OCT 17 1990

BUREAU OF SOLID -HAZARDOUS WASTE MANAGEMENT

Dear Mr. Wolbert:

Please review the attached petroleum product tank inventory forms and laboratory analyses. Copies of the forms have been sent to the Safety and Building Division, Madison, pursuant to having the tanks removed from its inventory.

Please record a clean closure for the tanks based on our findings. If you have any questions, please feel free to contact us at (414) 458-6030.

Sincerely,

E&K HAZARDOUS WASTE SERVICES, INC.

Gene Charles UST Technician

Bruce Willever / G.C.

Bruce Willever

Field Services Manager

GC/BW:sk

Attachment

nfamy 4/9/93

ERK HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"

P.O. BOX 1249 ● 2905 PAINE AVENUE SHEBOYGAN, WISCONSIN 53082-1249 ● (414) 458-6030

October 16, 1990

Mr. Leroy Bruggink
WILLMAN INDUSTRIES, INC.
338 S. Main St.
Cedar Grove, WI 53015

Dear Mr. Bruggink:

On August 8, 1989, E&K Hazardous Waste Services, Inc. removed the tanks listed on the attached petroleum product tank inventory forms from 338 S. Main St., Cedar Grove, WI 53015. The tanks were one (1) 500 gallon gasoline and one (1) 8,000 gallon fuel oil, both of which were used for industrial purposes. The tanks were pumped previous to being cleaned and degassed of all vapors, and transported to our facility in Sheboygan. They were cut up for scrap metal, and the metal was used to make equipment repairs.

Mr. Gary TenHaken, a representative of your local fire department was notified, however, was not on site during the tank removal process. All soil removed during the excavation was checked with an HNU photoionization meter for Total Petroleum Hydrocarbons (TPH). As indicated by the attached results, the soil samples fall below the Wisconsin Department of Natural Resources allowable index of 10 ppm (see tank location map).

The excavation was backfilled to grade. Based on the field survey for the HNU and results of the soil analyses, we conclude that no contaminated soil exists at the site at this time.

Copies of this report, laboratory analyses, and petroleum tank inventory forms were submitted to the appropriate agencies (as indicated on the attached forms).

ERK HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"

P.O. BOX 1249 • 2905 PAINE AVENUE SHEBOYGAN, WISCONSIN 53082-1249 • (414) 458-6030

October 16, 1990

Safety & Buildings Division Post Office Box 7969 Madison, Wisconsin 53707

Please review the attached petroleum product inventory forms and laboratory analyses. Copies of the forms have been sent to the Wisconsin Department of Natural Resources, Milwaukee. The tanks were cut up for scrap and the metal was taken to a recycler for disposal.

Please remove these tanks from your inventory. If you have any questions, please call me at (414) 458-6030.

Sincerely,

E&K HAZARDOUS WASTE SERVICES, INC.

Gene Charles UST Technician

Bruce Willeren / G.C.

Bruce Willever

Field Service Manager

GC/BW:sk

Attachment

October 16, 1990 Page Two

If you have any questions, please feel free to contact us at (414) 458-6030.

Sincerely,

E&K HAZARDOUS WASTE SERVICES, INC.

Gene Charles UST Technician

Bruce Willever

Field Services Manager

GC/BW:sk

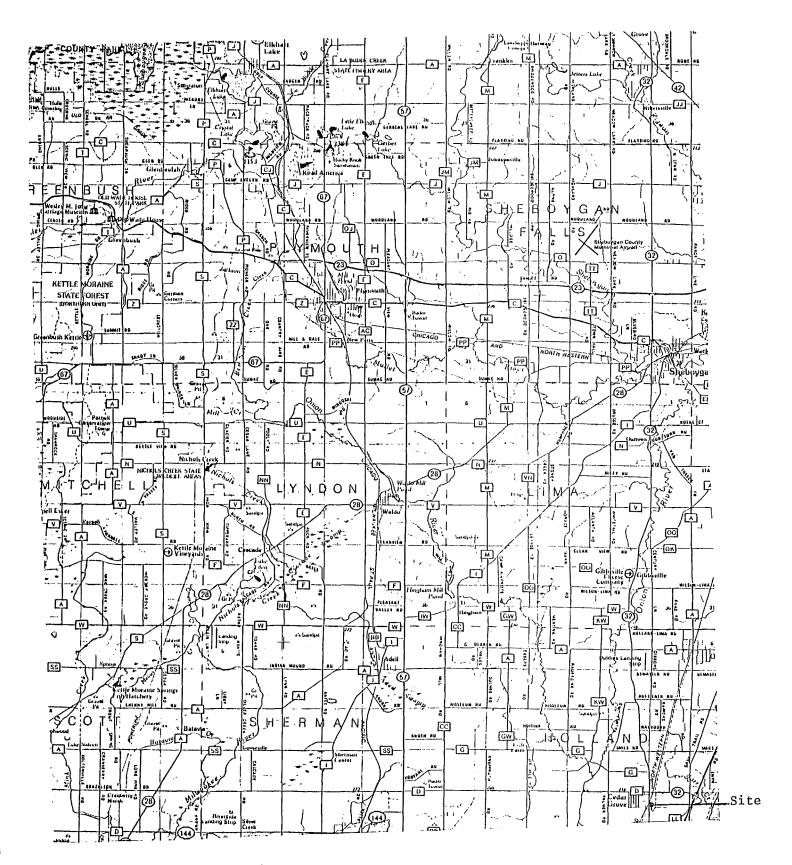
Enclosure

cc: Mr. Gary TenHaken, Fire Chief

207 Willow Ave.

Cedar Grove, WI 53051

Area Communities
USGS 7½ Quadrangle



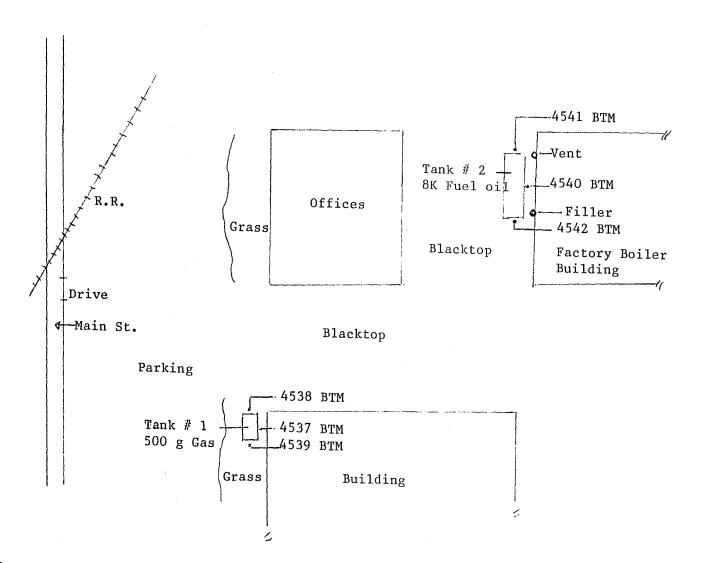
Willman Industries Inc.

338 So. Main St.

338 So. Main Sc.
Cedar Grove, Wi. 53015
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"Oneboygan Courty, Wis."

Willman Industries, Inc. 338 So. Main St. Cedar Grove, Wi. 53015 (Tank Location)





Scale None

Soils

SCS-MbA

Manawa silt loam

Top silt loam

2' heavy silty clay loam

5' silty clay loam

HNU Readings

Tank #1 Top <4.0ppm

BTM <4.0ppm

Tank #2 Top <4.0ppm

BTM <4.0ppm

Wincon:	sin De	partn	nent o	f Indust	ry,
Labor a	nd Hu	Iman	Relati	ons	
5 011					

For Office Hea Only	
For Office Use Only:	
Tank ID #	

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

TANK

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

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

to the agency designate	ted in the top righ	t corner.									
This registration applies to a	tank that is (check on		ndoned - Tank Removed	Fire Departme Tank Located:	nt Providing Fir	e Coverage Where					
2. Abandoned	With Product		ndoned - Filled With	Tank Located.							
=	No Product (empty)		Material	VIIIAC	E OF CEDA	D CDOVE					
or With Wat	* * * * * * * * * * * * * * * * * * * *	7. 🔲 Out o	of Service		E DEPT.	K GROVE					
A. IDENTIFICATION:	(Please Print)			1	d Duri,						
1. Installation Name	. •		2. Mailing Name if Diffe	rent Than #1							
WILLMAN INDUSTRI				AME							
Installation Street Address 338 So. Main Str			Mailing Address if Diff	ferent Than #1							
	Village [Town of:	City	☐ Village	Tow	in of:					
Cedar Grove											
State	Zip Code	County	State	Ζιρ Code	County	County					
Wisconsin	53015	Sheboygan									
3. Name of Contact Person	n		4. Owner Name if Diffe								
Leroy Bruggink Willman Industries, INC.											
Street Address 338 So. Main Str	004		Street Address 338 So. Main	Straat							
City Town	State	Zip Code	City Town	prieer	State	Zip Code					
Village of: Cedar €	1	53015	Village of: Cedar	Grove	WI	53015					
County	Telephone No. (in		County		ne No. (include						
Shebovgan	414/66		Sheboygan		414/668-8526						
5. Tank Age (date installe	d, if known: or years o	ld) 6. Tank Capacity (ga									
Unknown		500	Unknow	n							
B. TYPE OF USER (che	ck one):										
1. 🔲 Gas Station	2. 🔲 Bulk				4. Mercar						
5. 🔽 Industrial	6. ☐ Gov		7. School		8. Reside	ntial					
9. Agricultural		er (specify):									
C. TANK CONSTRUCT 1. Bare Steel		nodically Protected and Co	ated Steel / [7] Sacrificial	Anadas as 🗆 Im	oracead Curran	+1					
3. Coated Steel		rglass	ated steer ([] sacrificial.	Alloues of [] iii	5. 🔲 Other (
6. Relined		el - Fiberglass Reinforced Pl	lastic Composite								
Is tank UL Approved?	☐ Yes ☐ No		is Tank Double Wal	led?	Yes 🗌 No						
Overfill Protection Provide	, , , , , , , , , , , , , , , , , , ,	If yes, identify type:		····							
D. PIPING CONSTRUC											
1. Bare Steel		nodically Protected Steel (3. Coated						
· 4. Tiberglass					6. Unkno						
Cathodic Protection By: [] Sacrificial Anodes	or Impressed Current	UL Approved?	Yes No [Double Walled	☐ Yes ☐ No					
E. TANK CONTENTS 1. Diesel	2. 🔲 Lead	dod	3. X Unleaded		4. Tuel Oi	1					
5. Gasohol	6. Oth		7. Empty		8. Sand/G						
9. Unknown	10. Prer		11. Waste Oil	12. Propan							
13.			14. 🔲 Kerosene	ın							
* If # 13 is checked, indicat	e the chemical name(s) or number(s) of the chem	ical or waste.								
			The Charles Charles	2		(/					
If Tank Abandoned, Give Da August 8			Has Clean Closure Status Been verified? (see reverse side for details)								
August 8	, 1907			∑Yes □ No							
If installation of a new tank	• •	·									
1. Fire Department	2. 🔲 DILI	łR	3. Other (identify))							
Signature of Person Comple	ting Report:	1/2 /	Date	Signed:	1						
1 40	all to	laska-		10/	16/10						

ļ,

Wi⊼onsin Department of Industry, Labor and Human Relations
For Office Use Only:

Tank ID #

SBD 7437 (R 08/88)

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

TANK

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

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

to the agency designate	a in the	top right	COLLIE	er.								
This registration applies to a t 1 In Use	ank that is	(check one	e):	4.	ndoned - Tank Remo	Fire Departme Tank Located:	tment Providing Fire Coverage Where ed:					
2. 🔲 Abandoned V	2. Abandoned With Product 6. Aban							VILLAG	AGE OF CEDAR GROVE			
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or With Wate		of Service										
A. IDENTIFICATION:	Please P	rint)										
1. Installation Name		4.5				2. Mailing Name i	if Differe	nt Than #1				
WILLMAN INDUSTRIE	S.INC.						ME					
Installation Street Address						Mailing Address	s if Diffei	rent Than #1				
338 So. Main Stre						ļ <u> </u>						
	illage	Ĺ	Town	ot:	City	. Г] Village		☐ Tow	n of:		
Cedar Grove	Zıp Code		Count			Cento	т	Zıp Code		County		
	•	_	Count	•		State		zip Code		County		
Wisconsin 3 Name of Contact Person	5301	5	L_St	reboy	gan	4. Owner Name if	f Differe	nt Than #3		L		
Leroy Bruggink						Willman Ir						
Street Address						Street Address		,				
338 So. Main Stre	et	•				338 So. Ma	ain S	treet				
City Town		State	J	Zıp Cod	e	City T	own		State		Zıp Code	
🔀 Village of: Cedar G	rove	WI		530)15	X Village of: Ce	dar G	rove	W ₁	<u> </u>	53015	
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<u>Sheboygan</u> 414/668-8526											6	
Tank Age (date installed)	, if known:	or years of	d) 6.	Tank Ca	apacity (ga	llons) 7. Tank Ma	anufactu	rer's Name (if k	nown)			
unknown				8.0	00		un	known				
B. TYPE OF USER (chec	-	_ :	_									
1. 🔲 Gas Station 5. 🔼 Industrial		Bulk				3. Utility		•	4.	Mercar		
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C. TANK CONSTRUCTION			., (3000	.,,,						**********		
1. X Bare Steel		. \square Cath	odically	v Protect	ted and Co	ated Steel (🔲 Sacr	rificial Ar	nades or 🖂 Im	oresse	d Curren	t)	
3. Coated Steel	4	. 🔲 fibei	rglass								specify):	
6. Relined	7	. Stee	l - Fiber	glass Re	inforced P	lastic Composite						
Is tank UL Approved?	☐ Ye	s [] No				is Tank Doubl	le Walle	d? 🔲	Yes [] No		
Overfill Protection Provided		□No	If ye	s, identii	fy type:							
D. PIPING CONSTRUCT	ION											
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-4. Fiberglass 5. Other (specify):								6. Unknown				
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E. TANK CONTENTS												
1. Diesel		. Lead				3. Unleaded	d			Fuel Or		
							7. Empty			8. Sand/Gravel/Slurry 12. Propane		
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* If # 13 is checked, indicate	the chamic	ral name/s\	01.000	harle) a	f the chem		-		· -· L	, , , , , , , , , , , , , , , , , , , ,	••	
ir # 13 is checked, indicate	the theim	cai name(s)	or num	inei(s) o	r the them	ilcai oi waste.						
If Tank Abandoned, Give Date		/t):				Has Clean Closure	Status B	een verified? (see rev	erse side	for details)	
August 8, 1	989							ĭ Yes □ No				
If installation of a now to all in	houng	artad india	2106	o posta -	mod that	etallation inconst	D.					
If installation of a new tank is 1. Fire Department	• .	. 🔲 DILH		o perior	mea the in	istallation inspection 3. 🔲 Other (id:						
			11			3. U Other (Id-						
Signature of Person Completin	ng Report:	11		<u></u>			Date Si	-	/	/ /	,	
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Proj	ect No).: <u> </u>	3			/		/ /	/ ,	/ /			R WASTE HANDLING ALTER		
Sam	pling !	Site: <u>338</u>	5. Main St	, Cedar Gro	u' c	_/ /							on • Analytical & Field Services o		
Sampler: Ken Weiss Bottle / Sample										2905 Paine Avenue Emergency Response P.O. Box 1249 Phone 414/458-6030 Sheboygan, WI 53082-1249 Fax 414/452-7254					
Date	Time	Samp	le I.D.:/Descript	ion	$Z^{}$	/_/_	\angle			Bottle Total		Sample procedure	Remarks/ C	Comp. or Grab	
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	•		Custod	ly Transfe	rs							Shipping Details			
									Meth	Method of Shipment:					
1. Ken Weiss 8/8/85 6/84									- <u>}</u>	E & K Hazardous Waste Sercices Inc. Contacts:					
2										Roger Sacia- Primary John Weber - Alternate					
3							<u></u>				H		nate to Mr. Roger Sa	ecia	
4															
Rec	eived	for Laboratory:	:								Addi	tional Comment	.5:		
											-				
<u></u>															

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/17/89

LABORATORY REPORT

PAGE 1

15134

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES
2905 PAINE AVENUE P.O. BOX 1249
SHEBOYGAN ,WI 53081

ATTN: SCOTT HANSON

SAMPLE 89223-E02289 SOIL/EK4537 /WILLMAN /#1 /BOTTOM CENTER /GAS

DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS (4.0 PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL



1380

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/17/89

LABORATORY REPORT

PAGE 1

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES 2905 PAINE AVENUE P.O. BOX 1249 SHEBOYGAN ,WI 53081

ATTN: SCOTT HANSON

SAMPLE 89223-E02290 SOIL/EK4538 /WILLMAN /#2 /BOTTOM NORTH /GAS

DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS <4.0 PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL





140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005 08/17/89 LABORATORY REPORT

PAGE 1

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES
2905 PAINE AVENUE P.O. BOX 1249
SHEBOYGAN ,WI 53081

ATTN: SCOTT HANSON

SAMPLE 89223-E02292 SOIL/EK4539 /WILLMAN /#3 /BOTTOM SOUTH /GAS

DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS <4.0 PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL (526



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140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/15/89

LABORATORY REPORT

PAGE 1

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES
2905 PAINE AVENUE P.O. BOX 1249
SHEBOYGAN ,WI 53081

ATTN: SCOTT HANSON

SAMPLE 89223-E02458 SOIL/EK4540 /WILLMAN /#1 /BOTTOM CENTER /DIESEL

DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS <4.0 PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL GEE

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/17/89

LABORATORY REPORT

PAGE 1

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES
2905 PAINE AVENUE P.O. BOX 1249
SHEBOYGAN ,WI 53081

ATTN: SCOTT HANSON

SAMPLE 89223-E02459 SOIL/EK4541 /WILLMAN /#2 /BOTTOM NORTH /DIESEL DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME

RESULT

UNITS

TOTAL PETROLEUM HYDROCARBONS

<4.0

PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

, 313W

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005
08/17/89 LABORATORY REPORT

PAGE 1

E188 8438944 W81

E & K HAZARDOUS WASTE SERVICES
2905 PAINE AVENUE P.O. BOX 1249
SHEBOYGAN ,WI 53081
ATTN: SCOTT HANSON

SAMPLE 89223-E02460 SOIL/EK4542 /WILLMAN /#3 /BOTTOM SOUTH /DIESEL

DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

TEST NAME RESULT UNITS

TOTAL PETROLEUM HYDROCARBONS <4.0 PPM

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL