

UNDERGROUND STORAGE TANK CLOSURE ASSESSMENT

FOR THE VILLAGE OF SHIOCTON SIELAFF-ANDREWS RECENTION, WISCONSIN JUL 1 4 2000 ERS DIVISION

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PREPARED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION PROJECT 6517-05-00

PREPARED BY AQUA-TECH, INC. 140 SOUTH PARK STREET PORT WASHINGTON, WISCONSIN 53074 ATI PROJECT 91819 UNDERGROUND STORAGE TANK CLOSURE ASSESSMENT

FOR THE

VILLAGE OF SHIOCTON SIELAFF-ANDREWS SHIOCTON, WISCONSIN PROJECT 6517-05-00

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Date: _ 7/20/90

TABLE OF CONTENTS

SECTIO	ON		PAGE
1.0	Summa	ry	1-1
2.0	Site I	Background	2-1
	2.1	Introduction	2-1
	2.2	Site Location	2-1
	2.3	Site Geology	2-1
	2.4	Site History	2-3
3.0	Site Field	Assessment Procedures and Observations	3-1
	3.1	Introduction	3-1
	3.2	Field Observations	3-1
	3.3	Sampling Procedures	3-1
	3.4	Chain of Custody Procedures	3–2
4.0	Analy	tical Procedures and Results	4-1
	4.1	Introduction	4-1
	4.2	Analytical Procedures	4-1
	4.3	Results of Chemical Analysis of Aqua-Tech Collected Samples	4-1
5.0	Discu	assion of Assessment Results	. 5-1
	5.1	Introduction	. 5-1
	5.2	Soil	. 5-1
	5.3	Groundwater	. 5-2
6.0	Recon	nmendations	. 6-1

LIST OF FIGURES

۲

FIGU	RE	PAGE
2-1	Site Location	
	Site Location	
3-1	Soil Sampling Locations	3-4
		5-4
	LIST OF TABLES	
TABL	\mathbf{E}	
		PAGE
3-1	Field Screening Results of the Tank Bed	
4-1	Chemical Analysis of Tank Bed Soil Samples	4-3
	LIST OF APPENDIXES	

APPENDIX ___

.

PAGE

А.	Underground Petroleum Product Tank Inventory Form	A-1
	Underground Storage Tank Disposal Documentation	
	Chain of Custody and Laboratory Documentation	

1.0 SUMMARY

1.

Aqua-Tech, Inc. was contracted by the Wisconsin Department of Transportation (WDOT) to conduct an underground storage tank closure assessment for the removal of three underground petroleum storage tanks located at the Sielaff Andrews Auto Repair on State Highway 76, in the village of Shiocton, Wisconsin. The tank closure assessment included the following:

- * Excavation and disposal of three petroleum storage tanks according to Wisconsin Department of Industry, Labor, and Human Relations (DILHR) regulations.
 - Containerizing approximately 300 gallons of remaining product in 55 gallon drums to be stored on site until disposal is arranged.
 - Screening of tank beds for volatile organic compounds with a photoionization meter.
 - Collection of two soil samples and laboratory analysis of the samples for total petroleum hydrocarbons (TPH). Collection of one soil sample for laboratory analysis and eventual disposal acceptance at a Department of Natural Resources (DNR) approved facility.

Documentation of sampling procedures and soil and groundwater conditions at the tank bed excavations.

Results of the assessment indicate that THE SOIL IN THE TANK BED IS CONTAMINATED WITH PETROLEUM PRODUCTS above the 10 mg/kg Wisconsin Department of Industry, Labor and Human Relations (DILHR) remedial action limits.

Minor amounts of groundwater were encountered at the interface between the clayey sandy silt and red clay at a depth of approximately 7 feet within the tank bed excavation at the site. Based on site conditions, GROUNDWATER MAY BE CONTAMINATED BY PETROLEUM PRODUCTS AT THE SITE. AQUA-TECH, INC. RECOMMENDS FURTHER INVESTIGATION AT THE SITE to include soil borings to determine the vertical and horizontal extent of the soil contaminated with petroleum products. In addition, the depth to groundwater and impact of petroleum product contamination on the groundwater will require further investigation. Aqua-Tech estimates the cost of soil borings to be approximately \$4,500.

Once the extent of petroleum product contamination has been determined, the soil will be excavated and treated or disposed of at a WDNR approved facility.

2.0 SITE BACKGROUND

2.1 Introduction

This section includes information obtained from on-site observations, a site geology review, and the site representative interview.

2.2 Site Location

The Sielaff-Andrews Auto Repair underground storage tank site is located in the village of Shiocton, Outagamie County, Wisconsin. It is on the west side of State Highway 76 (River Street) approximately 150 feet south of the intersection with Oak Street (See Figure 2-1).

2.3 Site Geology

The Sielaff-Andrews site is located at the western edge of the Eastern Ridges and Lowlands Province in northeastern Wisconsin. Glaciation has been an important agent in determining the geology and physiography of the site. The site forms part of the glaciolacustrine deposits associated with the retreat of the Green Bay Lobe of the Wisconsin ice sheet.

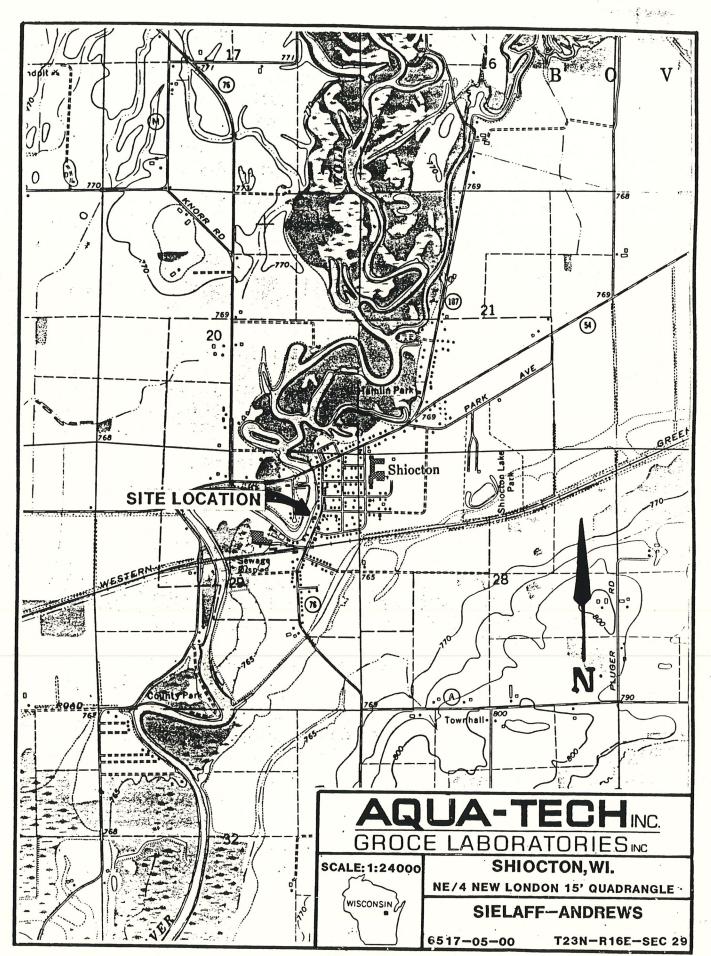
The soils encountered within the excavation beds at the site consisted of glacially derived clayey sandy silts from 0.0 to 7.0 feet and red clays from 7.0 feet to the bottom of the excavation at approximately 10.0 feet. These soils are consistent with the regional complex of soils, the Shiocton sandy loams.

Bedrock in the area is buried to varying depths by glacial deposits. Regionally, it consists of Cambrian aged sandstone with some dolomites and shales. Bedrock was not encountered in the excavation beds at the site which reached to a maximum depth of 10 feet.

Surface topography is flat. The Wolf River is located approximately 180 feet west of the site. Based on surface

2-1

FIGURE 2-1



2--2

topography, the regional groundwater flow is believed to be west toward the Wolf River. A trace of groundwater was encountered in the tank bed excavation at the interface between the clayey, sandy silt and red clay at a depth of approximately 7 feet.

2.4 Site History

500gal tank alor sile of blag re-moved 17.89 moved 17.89 moved 17.89

The Sielaff-Andrews Auto Repair, Inc. is owned by Mr. Jack Andrews, who inherited the property from his father and grandfather around 1970. The site has been operated as an auto service facility since about 1915. The three abandoned tanks have been at the location for at least 40 years, and perhaps since the 1930s. The tanks have been abandoned for at least ten years.

Four tanks at the site are on record in the computer inventory of the Wisconsin Department of Industry, Labor and Human Relations (Appendix A). However, only three tanks were observed and removed as a part of this underground storage tank closure. The installation dates of the tanks are Addutional tunk 500 202- removed ~7/28/89 unknown. The size and contents of the tanks are as follows:

Size	Contents	Date Abandoned
280	Unleaded	4/18/90
500	Leaded	4/18/90
500	Unleaded	4/18/90

A form SBD-7437, Underground Petroleum Product Tank Inventory Form, has been completed for each tank to document abandonment. The form is included in Appendix A.

There is a discrepancy in tank size reported by Javco, Inc. (Appendix B) and tank size reported to the Department of Industry, Labor, and Human Relations on the tank inventory forms (Appendix A). The tank inventory form sizes are believed to be correct.

2 - 3

3.0 SITE ASSESSMENT PROCEDURES AND FIELD OBSERVATIONS

3.1 Introduction

This section outlines procedures and observations for the underground storage tank closure assessment at the Sielaff-Andrews Auto Repair in Shiocton, Wisconsin. Individual subsections address specific assessment activities including field observations, sampling procedures, and chain of custody procedures.

3.2 Field Observations

Z. Vance Jackson and Neil W. Rismeyer of Aqua-Tech, Inc. arrived at the Sielaff-Andrews site on April 18, 1990, to observe the underground storage tank removal process. Also present on the site were Mr. Don White of the Wisconsin Department of Transportation and Mr. Scott Yahle, Fire Inspector for the village of Shiocton.

Three underground storage tanks were excavated by Gauthier and Sons Construction, Inc., 344 North Henry, Green Bay, Wisconsin and disposed of by Javco, Inc., 840 North Ninth Street, De Pere, Wisconsin, in accordance with Department of Industry, Labor and Human Relations (DILHR) requirements (Appendix B). Prior to excavation, approximately 300 gallons of remaining product were pumped from the tanks by Javco, Inc., into 55 gallon drums for disposal at a later date by Aqua-Tech, Inc.

Petroleum Tank Removals

After initial excavation of the petroleum tank beds on April 18, 1990, contamination was apparent. A photoionization meter was used to identify contaminated soil producing readings greater than 10 ppm within the tank bed. Contaminated soils were excavated and temporarily stockpiled adjacent to the tank bed. The temporary excavation was limited to an area approximately 10 feet wide by 45 feet long and 5 feet deep, parallel to River Street and extended approximately 5 feet into River Street. Field screening indicated readings as high as 350 ppm on the tank bed floor and on the west wall beneath the sidewalk where a cave in occurred. The east wall produced readings as high as 100 ppm (See Table 3-1). The excavation encountered portions of an old corduroy plank road beneath the surface of River Street.

A test pit was completed in the south central portion of the tank bed to determine the depth of contamination and to determine if groundwater was present. The pit was completed to approximately 10 feet. At the 7 foot level, red clay which produced photoionization readings of 7 to 18 ppm was encountered. At the interface with the red clay, minor groundwater was encountered. The clay appeared saturated but no standing water was observed in the test pit after one-half hour. The tank bed was backfilled with the original soil and overlain by clean sand and gravel.

3.3 Sampling Procedures

Seven soil samples were collected from the tank bed on April 18, 1990 (See Figure 3-1). The samples were collected from the excavation floor and walls. The sample with the highest photoionization meter reading, and a sample from a test pit within the excavation were packed into 4 ounce jars, cooled to 4^{0} C, and sent to the laboratory for chemical analysis.

3.4 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 quality of the samples was

3–2

TABLE 3-1

FIELD SCREENING RESULTS OF THE TANK BED

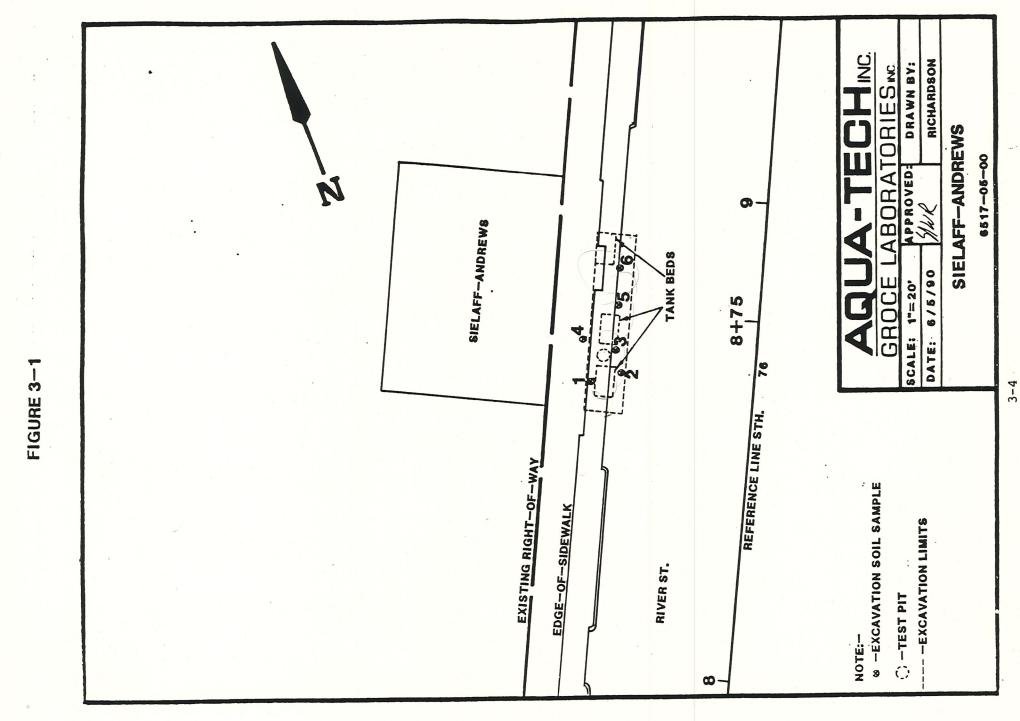
VILLAGE OF SHIOCTON

SIELAFF-ANDREWS

Number Location*	Depth (feet)	Photoionization Meter (ppm)
1 Southwest, Fl	oor 5	250
2 Southeast, Wa	11 2	100
3 South, Centra	•	150 Jy
4 West, Wall Below Sidewal	10 45 400 2.5	350 clayery 15 mill
5 North, Centra Floor	1, 5	300
6 North, Floor	5	350
8 South Central Test Pit	Floor 60 7 - 10	7-18 red chy

* Refer to Figure 3-1 for tank bed location.

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maintained during collection, transportation, storage and analysis.

Sample identification documents are carefully prepared so that sample identification and chain of custody are maintained and sample disposition is controlled. Sample identification documents include:

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

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

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

A chain of custody record (See Appendix C) is fully completed in duplicate by the Aqua-Tech sampler immediately following sample collection.

Transfer of Custody Shipment

The cooler in which the samples are packed is accompanied by the chain of custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time on the chain of custody record. This record documents sample custody.

Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number match that on the chain of custody record. A copy of the completed chain of custody record is retained by the laboratory until analyses are completed. The record is then transferred to the site file with the analytical results.

4.0 ANALYTICAL PROCEDURES AND RESULTS

4.1 Introduction

This section includes results of chemical analyses of Aqua-Tech collected soil samples for total petroleum hydrocarbons (TPH) and landfill disposal analyses. Samples were shipped to the NET Midwest laboratory in Watertown, Wisconsin.

4.2 Analytical Procedures

TPH soil samples were analyzed by the Modified California Method. Soil samples were analyzed for volatile organic compounds by EPA Method 8240. Total lead was analyzed by EPA Method 7420.

Analytical methodology references for each sampling task contain specific quality control (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.

4.3 Results of Chemical Analysis of Aqua-Tech Collected Samples

- TPH as gasoline was identified at a level of 870 mg/kg in Sample 4 from the west wall of the tank bed. The sample consisted of clayey sandy silt. TPH as gasoline was identified at a level of 160 mg/kg in Sample 8 from the test pit within the tank bed. The sample consisted of red clay.
 - BTEX compounds were identified in the soil samples analyzed at the following levels:

P-4

*

Benzene	<0.1 mg/kg	(ppm)
Toluene	4.6 mg/kg	
Ethylbenzene	2.8 mg/kg	
Xylene	4.7 mg/kg	

Total lead was identified in the soil sample at 17 mg/kg (ppm). This value is statistically equal to 0.85 mg/l (ppm) E.P. Toxic Lead.

Table 4-1 contains complete results of the chemical analyses for each soil sample. Laboratory data are provided in Appendix C.

*

TABLE 4-1

St

CHEMICAL ANALYSIS OF SOIL SAMPLES FROM THE

TANK BED EXCAVATION

SIELAFF-ANDREWS

VILLAGE OF SHIOCTON, WISCONSIN

DATE SAMPLED: APRIL 18, 1990

PARAMETER	SAMPLE 4	SAMPLE 8
Depth (feet)	2.5	7-10
Total Solids (%)	88.3	76.6
TPH* (mg/kg (ppm) as Diesel Fuel As Gasoline	<2** 870	<2 160
BTEX (mg/kg) Benzene Toluene Ethylbenzene Xylenes	<0.1 4.6 2.8 4.7	
Flash Point (⁰ F)	>205	
Lead, Total (mg/kg)	17	

* All TPH results reported on a dry weight basis.

**

Ten mg/kg is the maximum level of gasoline contamination allowed in soil before remediation is required by the Wisconsin Department of Industry, Labor, and Human Relations.

5.0 DISCUSSION

5.1 Introduction

This section discusses data and information that apply to observed and potential contamination that may be attributable to the Sielaff-Andrews Auto Repair site in the village of Shiocton.

5.2 Soil

Three underground petroleum product storage tanks were removed and rendered gas free. An area approximately 10 by 45 by 5 feet deep was excavated after removal of the tanks. The soil surrounding the tanks was field screened with a photoionization meter. Field screening indicated readings of up to 350 ppm volatile organic compounds in the excavation walls and floor.

Laboratory analyses of the soil samples indicated TPH contamination above the 10 mg/kg (ppm) Department of Industry, Labor, and Human Relations remedial action limit for petroleum products. The soil extending from the surface to approximately 7 feet consisted of clayey sandy silts with a TPH level of up to 870 mg/kg. Red clay was encountered from approximately 7 feet to 10 feet in the test pit. Laboratory analysis of the red clay indicated a TPH level of 160 mg/kg.

The red clay appears to have acted as an initial barrier to the migration of the petroleum product within the soil as the clayey sandy silt above the clay interface has retained a very high TPH level.

As mentioned earlier in Section 3.2 Field Observations, the remains of an old corduroy plank road were encountered beneath the surface of River Street. It is not known if the wood planking is acting as a barrier to the contaminant migration or if it is acting as a migration pathway. The depth of petroleum product contamination is also undefined at this time.

5.3 Groundwater

A minor amount of groundwater was encountered at the interface between the clayey silty sand and red clay. The red clay was saturated. However, no appreciable amount of water seeped into the test pit for over a one half hour period of time.

Groundwater at the site is believed to be contaminated by petroleum products at the site. However, it has not been determined if the groundwater encountered in the excavation is the true water table or a perched water table.

6.0 RECOMMENDATIONS

After completing the underground storage tank site closure for Sielaff-Andrews Auto Repair in the village of Shiocton, Aqua-Tech recommends additional investigation and corrective actions, including soil borings to determine the vertical and horizontal extent of contamination. Aqua-Tech recommends the soil borings be completed in conjunction with the additional investigative work at a nearby site in Shiocton, located approximately 250 feet north of this site on the east side of State Highway 76 (River Street). (Refer to Aqua-Tech, Inc. report 91820.)

Aqua-Tech estimates the cost for additional soil borings to be approximately \$4500.

Upon completion of the additional soil borings, the vertical and horizontal extent of contamination will be more clearly defined. At that time, Aqua-Tech recommends excavation and disposal or treatment of the petroleum contaminated soil at a Wisconsin Department of Natural Resources approved facility. The impact of the contamination upon the groundwater will also be determined as a result of the additional test borings. The most cost-effective method of groundwater remediation will then be determined upon completion and analysis of the results of the soil test borings. APPENDIX A

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT

TANK INVENTORY

Send Completed Form To: Safety & Buildings Div. Fire Prevention Section P.O. Box 7969 Madison, WI 53707 Telephone (608) 266-7874

For Office Use	Only:	1011
Tank ID #	Only: 44153	-124
		-

Instructions

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored, currently store or will 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 (including 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.

This Individual Tank1.Registration Applies2.To (check one):3.4.5.

Tank still in active use

Inoperative or abandoned tank with product still in tank Inoperative or abandoned tank with no known product in tank Location for which tank has been removed New tank to be installed (provide date):

· · · · ·

A. IDENTIFIC	CATION					
1. Name of Installation			2. Name for Mailing if Different Than # 1			
Sielaff-Andrews, Inc. Street Address of Installation 461 River Street			Same			
			Mailing Address if Different Same	ent Inan #1		
City			n of:		Village] Town of:
	Shi	octon				
State	I	Zip Code 54170	County Outagamie	State	Zip Code	County
3. Name of Con				4. Name of Owner if Differ	ent from #3	
	lack Andr	OWS		Same		
Street Addre	5 61 River	street		Street Address	2	
City	XX _{Villag}		vn of:	City	Village] Town of:
State	I	Zip Code 54170	County Outagamie	State	Zip Code	County
	umber (include are	a code) 3346		Telephone Number (incl	ude area code)	
5. Fire Departm Shioct	ent Name and ID # on=Bovin	a Fire De		stalled, if known; or years old) known	7. If Tank Aband	loned, Give Date (mo / day / yr)
8. Tank Capacit (in gallons)	y 280)	9. Tank Manufacturer's Na	me, if known; Inthom		
B. TANK CC 1. Bar	PNSTRUCTION re Steel erglass	2. 🔲 Ca	athodically Protected Ste ther (specify):		Ø 3. □ Co	oated Steel
	DNTENTS: esel el Oil		aded Gasoline asohol	3. XUnleaded Gas 6. Other (specify	oline /):	
D. TYPE OF USER (check one): 1. Gas Station 2. Bulk Storage 3. Utility 4. 5. Industrial 6. Government 7. School 8. 9. Agricultural 10. Other (specify):				ercantile . sidential		
Signature of Person Completing Form:			Date Completed: 5-6-	86		

Wisconsin Department of Industry, Labor and Human Relations		UNDERGROUND PETROLEUM PRODUCT			leted Form To: ildings Division 59
For Office Use Only:	TANK INVENTORY		N	ladison, W	
Tank ID # This form is to be completed pursuar				•	
have stored or currently store period on this program. An underground sto (included piping) located below grour to the agency designated in the top ri	um or regulated substar rage tank is defined as a nd level. A separate for	nces. Please see the revi inv tank with at least 10	erse side for ac) percent of its	total volu	nformation me
This registration applies to a tank that is (check	one):	8. 🔲 Changed Ownership	Fire Departmen Where Tank Is L		ire Coverage
	bandoned - Filled With	(Indicate new owner	City Vil	lage 🛛 To	wn of
	ert Material	in section A. 4. below)	Shjoetm	-Borin	*
or With Water 7. 0 A. IDENTIFICATION: (Please Print)	ut of Service				
1. Installation Name		2. Mailing Name if Differer	nt Than #1		
Sielaff-Quarews, Installation Street Address	Inc.	Mailing Address if Differe	ent Than #1		
461 River Stree	Town of:	City D	Village	Towr	n of:
City Shieton					
State WI Zip Code 54176	County Outagamie		ip Code	County	
3. Name of Contact Person		4. Owner Name if Differen Same	it Than #3		
Street Address		Street Address			
City Drown . State		City Town	St	ate	Zip Code
Village of: Shiocton	WI 54170 (include area code)	Village of: County	Telephone	No. (include a	irea code)
Outanamie 414	-986-3346		and Alama lift too	wp)	
5. Tank Age (date installed, if known: or year UNKNOWN	sold) 6. Tank Capacity (ga えるい	llons) 7. Tank Manufactur	er s Name (ir knor		
B. TYPE OF USER (check one): 1. Gas Station 2. B	ulk Storage overnment	3. Utility 7. School		Mercant Resident	
	other (specify): Car +	Truck Repair			
C. TANK CONSTRUCTION:	athodically Protected and Coa	ted Steel (a. 🗖 Sacrificial A	nodes or b. 🗌 In	pressed Cur	rent)
3. Coated Steel 4. F	iberglass teel - Fiberglass Reinforced Pla	5. L UU	er ppecing.		
	Other:	sitte composite of the own	Is Tank Do	uble Walled	
Overfill Protection Provided? Yes No	If yes, identify type:		Spill Conta	oundwater r	Yes No
Tank leak detection method: 1. Automatii 4. Inventory	ctank gauging control and tightness testing	 2. U Vapor monitoring 5. Interstitial monitor 		ot required a	t present
D. PIPING CONSTRUCTION 1. Bare Steel 2. Cathodically Protect	ed and Coated or Wrapped St				
4 Fiberglass 5. Other (specify): Piping System Type: 1. Pressurized piping v	vith: a. 🗋 autoshutoff; b. 🗍	alarm; or c. I flow restricto	r 2. 🗌 Suction	piping with	check valve at tank
3. Suction piping with Piping leak detection method: used if pressurize	check valve at pump and inspi ed or check valve at tank: 1. [Vapor monitoring 2	. Interstitial m	onitoring	
	Tightness testing 5. [Other:		Double Walled		D No
Approval: 1 Nat'IStd 2. UL 3. E. TANK CONTENTS					
1. 🗋 Diesel 2. 🗌 L		3. 🔀 Unleaded 7. 🔲 Empty	4.	Fuel Oil Sand/Gi	revel/Siurry
5. 🗌 Gasohol 6. 🗌 O 9. 🗋 Unknown 10. 🗌 P		11. 🔲 Waste Oil	12.	Propan	e
13. [] Chemical *		14. 🗌 Kerosene	15.	Aviatio	n
* If # 13 is checked, indicate the chemical nam	e(s) or number(s) of the chem				
if Tank Abandoned, Give Date (morday/yr):		Has a site assessment been	completed? (see		for details)
april 18, 1990	-		94.05 LINO	todition	required
If installation of a new tank is being reported, in		stallation inspection: 3.			· · · · · · · · · · · · · · · · · · ·
1 D File Department 2. D D	IL HR	5. U Other (identity)			

1. 🔲 Fire Department	2. D DILHR	3
Signature of Person Completing F Merth, Rismey	eport: - Lagua Tech, Inc)

.

other (id	
	Date Signed:

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT

TANK INVENTORY

Send Completed Form To: Safety & Buildings Div. **Fire Prevention Section** P.O. Box 7969 Madison, WI 53707 Telephone (608) 266-7874

For Office Use On	ly:	101
Tank ID #	44153	-125
	•	

Instructions

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored, currently store or will 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 (including 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.

1. This Individual Tank 2. **Registration Applies** 3. To (check one):

Tank	still	in	active	use

X

4.

5.

Inoperative or abandoned tank with product still in tank

Inoperative or abandoned tank with no known product in tank

Location for which tank has been removed

New tank to be installed (provide date): _

A. IDENTIFICATION	1				_					
1. Name of Installation	_		2. Name for Mailing if Different Than # 1							
	Andrews, In	С.	Same							
Street Address of Installation	r Street		Mailing Address if Different Than #1							
		n of:	City	Village	Town of:					
State WI	Zip Code 54170	County Outagamie	State	Zip Code	County					
3. Name of Contact Person Jack And	rews		4. Name of Owner if Di Same	ifferent from # 3						
Street Address	r Street		Street Address							
	illage Tow hiocton	n of:	City	Village	Town of:					
State WI	Zip Code 54170	County Outagamie	State	Zip Code	County					
Telephone Number (include	area code) -3346		Telephone Number (include area code)							
5. Fire Department Name and Shiocton-Bovin	a Fire Dept	0	nstalled, if known; or years of Anorotom	old) 7. If Tank Abando	oned, Give Date (mo / day / yr)					
8. Tank Capacity (in gallons) 500		9. Tank Manufacturer's Na	ime, if known: unkna	ow						
B. TANK CONSTRUCTION 1. Bare Steel 4. Fiberglass	2. 🔲 Ca	athodically Protected Sto ther (specify):		(7) 3. □ Co	ated Steel					
C. TANK CONTENTS: 1. Diesel 4. Fuel Oil		aded Gasoline asohol	3. Unleaded (6. Other (spe							
D. TYPE OF USER (check 1. Cas Station 5. Industrial 9. Agricultural	2. 🔲 Bu 6. 🛄 G	lk Storage overnment ther (specify):	3. Utility 7. School		rcantile sidential					
Signature of Berson Completin	g Form:		Date Completed:	-86						

Wisconsin Department of Industry, Labor and Human Relations	UNI	Send Completed Form To: Safety & Buildings Division			
· · · · · · · · · · · · · · · · · · ·	PETRO	LEUM PRODUCT	P.O	Box 7969	9
For Office Use Only: Tank ID #	TAN	(INVENTORY		dison, WI ephone (6	53707 508) 267-5280
This form is to be completed pursuar have stored or currently store petrole on this program. An underground sto (included piping) located below grour to the agency designated in the top ri	um or regulated substar rage tank is defined as a nd level. A separate for	nces. Please see the revi any tank with at least 10	underground tar erse side for add) percent of its to	nks in Wis itional inf otal volum	consin that formation ne
This registration applies to a tank that is (check	one):		Fire Department P	roviding Fire	e Coverage
	bandoned - Tank Removed bandoned - Filled With	8. [] Changed Ownership (Indicate new owner	Where Tank Is Loca		n of
	ert Material	in section A. 4. below)		~ ^	
or With Water 7. 0 A. IDENTIFICATION: (Please Print)	ut of Service		Shiota	~ D.OYI	N AL
1. Installation Name		2. Mailing Name if Differen	nt Than #1		
Installation Street Address		Mailing Address if Differe	ent Than #1		2 ¹
City, DVillage	Town of:	City D	Village	Town	of:
State , Zip Code	County		ip Code	County	
WI 54170	Outagamir	4. Owner Name if Differen			
3. Name of Contact Person Jack andrews		Same			
Street Address 461 River ST	reet	Street Address			
City Town State		City Town Village of:	State	2	Zip Code
County Telephone No.	(include area code) 986,3346	County	Telephone No.	(include are	ea code)
5. Tank Age (date installed, if known: or year	sold) 6. Tank Capacity (gal	llons) 7. Tank Manufactur	er's Name (if known))	
B. TYPE OF USER (check one):	500				
5. 🔲 Industrial 6. 🗌 G	ulk Storage overnment ther (specify): <u>Ca v</u>	3. [] Utility 7. [] School + Truck Repa		Mercantil Residentia	
C TANK CONSTRUCTION:					
1. ☑ Eare Steel 2. □ C. 3. □ Coated Steel 4. □ Fi	athodically Protected and Coa berglass	ted Steel (a. 🗋 Sacrificial An 5 📋 Oth	nodes or b. 🗌 Impr er (specify):	essed Curre	nt)
6. 🗌 Relined 7. 🗍 St	eel - Fiberglass Reinforced Pla	estic Composite 9. 🗌 Unk	nown Is Tank Doubl	e Walled?	Yes No
	Other: If yes, identify type:		Spill Containr	nent?	🗆 Yes 🗌 No
Tank leak detection method: 1. 🔲 Automatic		2. Vapor monitoring 5. Interstitial monito	3. Grou	ndwater mo equired at p	present
D. PIPING CONSTRUCTION 1. Bare Steel 2. Cathodically Protection				urrent) 3. 9	Coated Steel
4 Fiberglass 5. Other (specify): Piping System Type: 1. Pressurized piping w	ith: a. 🗋 autoshutoff; b. 🗋 a	alarm; or c. [] flow restrictor	r 2. Suction pip		
3. Suction piping with a Piping leak detection method: used if pressurize	theck valve at pump and inspe	ectable	. 🗆 Interstitial moni		
3. Groundwater monitoring 4.	Tightness testing 5.	Line Leak Detector 6	Not Required	Yes [
	Other:		Double Walled:		
E. TANK CONTENTS. 1. Diesel 2. 🕅 Le		3. 🔲 Unleaded	4.] Fuel Oil] Sand/Grav	alSiurry
5. [] Gasohol 6. [] O 9. [] Unknown 10. [] Pr		7. 🔲 Empty 11. 🔲 Waste Oil	12.	Propane	vensiony
13. 🗋 Chemical *		14. 🔲 Kerosene	15.] Aviation	
* If # 13 is checked, indicate the chemical name	e(s) or number(s) of the chemi				
If Tank Abandoned, Give Date (mo/day/yr):		Has a site assessment been		L Lition	
april 18, 1990			ff	15 1	equinad.
If installation of a new tank is being reported, in 1. Fire Department 2. D	· · · ·	tallation inspection: 3. [] Other (identify)			
Signature of Person Completing Reporc:		Date Sig	çned:		
Meil W. Rismeye	19 ana Tech,	June)	6/5/90	5	
	and a manufiller the second of the	In the second			

	UNDERGROUND PETROLEUM PRODUC	T	Send Completed Form To Safety & Buildings Div. Fire Prevention Section P.O. Box 7969		
For Office Use Only: Tank ID # 44153 - 126			Madison, WI 53707 Telephone (608) 266-7874		
This form is to be completed pursuant to Section 1 currently store or will store petroleum or regulated s underground storage tank is defined as any tank with separate form is needed for each tank. Send each com	101.142, Wis. Stats., to register substances. Please see the reven n at least 10 percent of its total v	rse side for additional in volume (including piping	formation on this program. A) located below ground level.		
Registration Applies 2. Inopera To (check one): 3. Inopera 4. Locatio	ill in active use ative or abandoned tank with pro ative or abandoned tank with no on for which tank has been remo nk to be installed (provide date):	known product in tank oved			
A. IDENTIFICATION 1. Name of Installation Sielaff-Andrews, Inc.	Same	iling if Different Than # 1			
Street Address of Installation	Mailing Addre	ess if Different Than # 1			
City Village Town of: Shioci			Town of:		
State WI 54170 Out	tagamie ⁴⁴ State	Zip Code	County		
3. Name of Contact Person	4. Name of Own Same	ner if Different from # 3			
Street Address River Street	Street Addres	35			
City Town of:	On	Village	Town of:		
	agamie	Zip Code	County		
Telephone Number (include area code)	Telephone N	umber (include area code)			
5. Fire Department Name and ID # Shiocton-Boving Fire Dept.	6. Tank Age (date installed, if known; o	r years old) 7. If Tank A	bandoned, Give Date (mo / day / yr)		
8. Tank Capacity (in gallons) unhorizon	k Manufacturer's Name, if known:	-			
B. TANK CONSTRUCTION:	ally Protected Steel	2 3. D	Coated Steel		
C. TANK CONTENTS: 1. Diesel 2. Leaded Ga 4. Fuel Oil 5. Gasohol		aded Gasoline er (specify):A	lower		
D. TYPE OF USER (check one): 1. Gas Station 2. Bulk Stora 5. Industrial 6. Covernme 9. Agricultural 10. Other (specified)	ent 7 Scho		Mercantile Residential		

Wisconsin Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT

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

For Office Us	e Only:
Tank ID #	

TANK INVENTORY

			·
This form is to be completed pursuant to Section 101.142, W have stored or currently store petroleum or regulated substa	nces. Please see the reve	erse side for addit	ional information
on this program. An underground storage tank is defined as a (included piping) located below ground level. A separate for	m is needed for each tar	nk. Send each cor	npleted form
to the agency designated in the top right corner.		Fire Department Pro	oviding Fire Coverage
This registration applies to a tank that is (check one): 1. 1. In Use 4. [X] Abandoned - Tank Removed	8. 🔲 Changed Ownership	Where Tank Is Locat	ed is in:
2. Abandoned With Product 6. Abandoned - Filled With	(Indicate new owner	🗌 City 🖸 Village	Town of
3. Abandoned No Product (empty) Inert Material	in section A. 4. below)	61: 4	
or With Water 7. 🗌 Out of Service		Dhiocton	- Bovinn
A. IDENTIFICATION: (Please Print) 1. Installation Name	2. Mailing Name if Differen	t Than #1	
Sielaff. Qudrews	Mailing Address if Differe	nt Than #1	
Installation Street Address 461 River ST.	Same		
City Shierton Townof:			Town of:
State WI ZipCode County State WI 54170 Outagamie		ip Code	County
3. Name of Contact Person	4. Owner Name if Differen	t Than #3	
Street Address	Street Address		
461 River Street		L State	Zip Code
City Town State Zip Code	City Down Village of:	State	
County Telephone No. (include area code)	County	Telephone No. (include area code)
5. Tank Age (Cate installed, if known: or years old) 6. Tank Capacity (ga	lons) 7. Tank Manufactur	er's Name (if known)	
unkum 500	unten		
B. TYPE OF USER (check one): 1. Gas Station 2. Bulk Storage	3. 🔲 Utility	4. 🗖	Mercantile
5. 🗍 Industrial 6. 🗍 Government	7. 🔲 School	8. 🗖	Residential
9. 🗋 Agricultural 10. 🕅 Other (specify): 🤐 🕰 🕰	61 444		
C. TANK CONSTRUCTION: 1. 1. 1. 1. Cathodically Protected and Co	ated Steel / a D Sacrificial At	nodes or b. 🗌 Impre	ssed Current)
A D Costed Step1 A D Fibernlass	5. L Uun		
6. Relined 7. Steel - Fiberglass Reinforced Pl	astic Composite 9. 🗌 Unki	Is Tank Double	Walled? Yes No
Approval: 1 🗋 Nat'lStd. 2. 🗋 UL 3. 🗋 Other:		Spill Containm	
Overfill Protection Provided? Yes No If yes, identify type: Tank leak detection method: 1. Automatic tank gauging	2. 🗌 Vapor monitoring	3. 🗌 Groun	dwater monitoring
4. Inventory control and tightness testing	5. 🔲 Interstitial monito	ring 6. 🗌 Not re	quired at present
D. PIPING CONSTRUCTION 1. Bare Steel 2. Cathodically Protected and Coated or Wrapped St 4 Fiberglass 5. Other (specify):	eel (a. 🗋 Sacrificial Anodes	or b. 🗌 Impressed Cu	rrent) 3. Coated Steel 9. Unknown
Piping System Type: 1. Pressurized piping with: a. Dauto shutoff; b. D	alarm; or c. I flow restrictor	2. Suction pip	ing with check valve at tank
 3. Suction piping with check value at pump and insp Piping leak detection method: used if pressurized or check value at tank: 1. 	Vapor monitoring 2	. Interstitial monit	oring
3. Groundwater monitoring 4. Tightness testing 5.	Line Leak Detector 6	Not Required	
Approval: 1 🗋 Nat'l Std 2. 🗋 UL 3. 🗋 Other:		Double Walled:	Yes No
E. TANK CONTENTS	3. 🗖 Unleaded	4. 🗖	FuelOil
1. Diesel 2. Leaded 5. Gasohol 6. Other	7. Empty	8. 🗖	Sand/Gravel/Slurry
9. 13. Unknown 10. 🗋 Premix	11. 🗋 Waste Oil		Propane Aviation
13. Chemical *	14. 🔲 Kerosene	15.	AVIACION
* If # 13 is checked, indicate the chemical name(s) or number(s) of the chem			
If Tank Abandoned, Give Date (mo/day/yr):	Has a site assessment been	completed? (see rev	Lditimal Work
april 18, 1990		STYES DNO A	IdiTimal Work
if installation of a new tank is being reported, indicate who performed the in	stallation inspection:		U
1. [] Fire Department 2. [] DILHR	3. 🗌 Other (identify)		
Signature of Person Completing Report:	DateSu	-	
Sheille, Risming (aqua Tech)	Luz)	6/5/9	D

Asconsin Department of	UNDER	GROUND		Send Completed Form To: Safety & Buildings Div.
ndustry, Labor and Human Relations	PETROLEU	M PRODUCT		Fire Prevention Section P.O. Box 7969
For Office Use Only: Tank ID # 4/4/153 - 123	3 TANK II	NVENTORY	•	Madison, WI 53707 Telephone (608) 266-7874
This form is to be completed pursuant to		ructions	ground tanks in V	Visconsin that have store
currently store or will store petroleum or re underground storage tank is defined as any	egulated substances. Ple	ase see the reverse side f	or additional infor	mation on this program. A
separate form is needed for each tank. Send	each completed form t	to the agency designated in	the top right cor	ner.
				•
This Individual Tank	Tank still in active use	ned tank with product stil	l in tank	
Registration Applies (1993) 2. To (check one): (1993) 4. 3. 3.	Inoperative or abando	ned tank with no known p	product in tank	A THE REPORT
4. ∐ 5. □	Location for which tar New tank to be install			
A. IDENTIFICATION				
1. Name of Installation	n. Da	2. Name for Mailing if Differ		
Street Address of Installation	US Eenc	Mailing Address if Differe		· · · · · · · · · · · · · · · · · · ·
461 River St	Treet	City	NU] Village] Town of:
	Shiveton	/		
State Zip Code	County 49	State	Zip Code	County
3. Name of Contact Person)	4. Name of Owner if Differe	ent from #3	
+ Street Address	+	Street Address		
	where the second	City] Village] Town of:
State	County	State	Zip Code	County
WI 54170	Outagamie			
Telephone Number (Include area code)	4	Telephone Number (inclu		
5. Fire Department Name and ID	6. Tank Age (date	installed, if known; or years old)	7. If Tank Aban	doned, Cive Date (mo) day / yi
Fire Dept-	9. Jank Manufacturer's	Name, if known:		
8. Tank Capacity 2014 In gallonst Con Know	1 Minhouse			
B. TANK CONSTRUCTION:	Cathodically Protected S		3. 🗌 C	oated Steel
	Other (specify):	mhnow		
C. TANK CONTENTS:				
	eaded Gasoline Gasohol	3. Unleaded Gas 6. X Other (specify		mon
	Jasunun	o. En other specify	·	
D. TYPE OF USER (check one):	Bulk Storage	3. 🔲 Utility	4. 🗌 N	ercantile
5. Industrial 6. 0	Covernment	7. School		esidential
9. Agricultural 10. X (Other (specify):	Date Completed:		
		L Late Completed!		

APPENDIX B



Tank Cleaning Specialists — Marine Industry — Hazardous Material Handling — Spill Clean Up

April 30, 1990

Aqua-Tech 140 South Park Street Port Washington, WI 53074 Attn: Mr. Mike Koepke

Dear Sir:

1. On April 18, 1990 JAVCO Inc., cleaned and rendered "GAS-FREE" (3) 550 gallon gasoline, underground storage tanks. These tanks were located in Shiocton, WI.

2. After the tanks had been cleaned and tested "gas-free" holes were cut in the tanks with a cutting torch. This assured the "gas-free" status and rendered the tanks useless for all but scrap.

3. Pictures were taken of the tanks after they were rendered "gas-free" and before the tanks were transported from the premises. These pictures are enclosed for your disposition.

4. Thank you for the opportunity to be of service. We appreciate your business.

Sincerely,

algh Schooden

Ralph Schroeder Vice President, JAVCD, Inc.

Enclosures

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Sielaff-Andrews Auto Repair

PAGE 1 OF 1

DATE: <u>4/20/90</u>

N/A

DIRECTION OF PHOTOGRAPH:

WEATHER CONDITIONS:

Sunny

TIME:

PHOTOGRAPHED BY:

Javco, Inc.

SAMPLE ID: (If Applicable):

N/A



DESCRIPTION: <u>Two of three underground storage tanks removed and abandoned on</u> April 18, 1990. Tanks were cleaned and rendered gas free by Javco, Inc.

DATE:	4/20/90	
TIME:	N/A	
DIRECTI PHOTOGR		
WEATHER	CONDITIONS:	
Sunny		
PHOTOGR	APHED BY:	
Javco,	Inc.	
SAMPLE (If App	ID: licable):	
N/A		



DESCRIPTION: ______ The third tank removed and rendered gas free by Javco, Inc.

APPENDIX C

GROCE LA	A-TE	ORIES	COF Aqui 140 (414	PORAT a-Tech, I S. Park 1) 284-5	E Inc. St., Port Washington, W 1746 FAX (414) 284-1	1 53074 0243	CHAIN	OF CUS	то	DY	REC	OR	D		
PROJ. I	NO.	PROJE	ECT N	IAME	Sial	aff-	Andrews				7	1-	-7	7	
91810	4	0:11	ade	2-5	Shiocta	STY	4 8175	NO.			_	6	γ	1	
SAMPLE	RS: <i>(Si</i> g	nature ^)] NO.		/	J.	5	<u>ک</u> ا	Y.	REMARKS
1 Ster	th,	Ris	me	r				OF			XI	Ŷι	2		REMARKS
LAB NO.	DATE	TIME	COMP	GRAB	STATION LOC	ATION		CON- TAINERS	//		6/1	x/()0/K	×*/	8996
	4/19/91			X	(4) Wall -	West		1	X	+	¥	x	7		handfill Approval HNU 350 ppm
								•							11
	<u>4/18/90</u>		X	Her.	3 Tent	P:+		1	X	×.					8997 HNU \$7-18ppm
:											-		-		
			-												
													_	-	
Relinquish	ed by:	(Signat	ure)	-	Date / Time	Receive	ed by: (Signatu	ıre)			Date	e / Ti			Report to: Bruce Ten Haken
Heil.	W. P.	1	·	. 4/1	19/90 10:2000		ul Shi			4-10		1	me		Name Agua Tech Inc.
Relinquish	ed by: (Signat	ure)		Date / Time		d by: (Signatu					e / Ti	me		-
							, (5	,			Duit		inc		Street
Relinquish	ed by: (Signati	ure)	-	Date / Time	Receive	d for Laborato	ry by: (Si	gnat	ure)	-				City State Zip
Faul	Sh	inal	K	4-Z	20-90 1:00 PM		Umy,		/		I-J	3-	90	•	Phone no. ()
Remarks						-	1	1							Remarks
	oka	se r	etu		signed		sults								
	T			·	June										
			sent	4	TO NET	4-20	0-90								

Distribution: White - Accompanies Shipment; Yellow - Laboratory File; Pink - Coordinator Field Files



NET Midwest, Inc. Watertown Division 602 So. Water Street P.O. Box 288 Watertown, WI 53094 Tel: (414) 261-1660 Fax: (414) 261-8120

Formerly: Wisconsin Analytical Laboratory, Inc.

05-10-90

Sample No:

ANALYTICAL REPORT

Bruce TenHaken AQUA-TECH, INC. 140 S. Park Street Port Washington WI 53074

> #4 Wall West Soil Project #91819 Village of Shiocta STA 8 & 75 Sielaff-Andrews

Date Taken: 04-18-90

SAMPLE DESCRIPTION:

Date Received: 04-23-90

8996

Flash Point	>205.	Deq. F
Solids, Total	88.3	8
Lead	17.	mg/kg

VOL. COMPOUNDS - EPA 601/602

Benzene	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
Carbon tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
2-Chloroethylvinyl ether	<0.1	mg/kg
Chloroform	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
Dibromochloromethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg

Utain

David W. Havick, Manager Watertown Division Certification No. 128053530



NET Midwest, Inc. Watertown Division 602 So. Water Street P.O. Box 288 Watertown, WI 53094 Tel: (414) 261-1660 Fax: (414) 261-8120

Formerly: Wisconsin Analytical Laboratory, Inc.

ANALYTICAL REPORT

Bruce TenHaken AQUA-TECH, INC. 140 S. Park Street Port Washington WI 53074

05-10-90

Sample No: 8996

SAMPLE DESCRIPTION: #4 Wall West Soil Project #91819 Village of Shiocta STA 8 & 75 Sielaff-Andrews

Date Taken: 04-18-90

Di -h l - ----

Date Received: 04-23-90

cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethyl benzene	2.8	mg/kg
Methylene chloride	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	4.6	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
1,1,2-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Vinyl chloride	<0.1	mg/kg
Xylenes, Total	4.7	mg/kg
		3/ 3

TPH

Diesel Fuel Gasoline

<2. 870. mg/kg

mg/kg mg/kg

Witan

David W. Havick, Manager Watertown Division Certification No. 128053530