03 - 07 - 000148

The assessment concludes:

Soils and groundwater are contaminated.

The assessment recommends:

A phase III assessment should be conducted by the responsible parties. If they do not, or you would prefer, we can conduct further studies on the two properties to clearly identify the orgins and respective responsibilities.

Please advise if we can be of further assistance.



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ENVIRONMENTAL SITE ASSESSMENT REPORT

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FOR THE

BOB'S SERVICE STATION SITE

STATE HIGHWAY 70

FALUN, WISCONSIN

JANUARY 1990

PREPARED FOR THE

WISCONSIN DEPARTMENT OF TRANSPORTATION

PROJECT 8040-03-00

AQUA-TECH, INC. 140 SOUTH PARK STREET PORT WASHINGTON, WISCONSIN 53074 ATI PROJECT NO. 91035



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SIGNATURE PAGE

FOR THE

ENVIRONMENTAL SITE ASSESSMENT REPORT

FOR THE

BOB'S SERVICE STATION SITE

STATE HIGHWAY 70

FALUN, WISCONSIN

WDOT PROJECT 8040-03-00

Prepared By: Robert A. Ehlert Field Technician Aqua-Tech, Inc.

Date: 1/31/90

Reviewed By:

mite

1-31-90

Date:

James J. Mertes Technical Specialist Aqua-Tech, Inc.

Reviewed By:

Vance Jackson, Jr. Hydrogeologist Aqua-Tech, Inc.

Date: 1/3//90

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1.0 SUMMARY

Aqua-Tech, Inc. has completed a phase II environmental site assessment of the Bob's Service Station site on State Highway 70, in Falun, Wisconsin. This assessment was contracted November 13, 1989 by the Wisconsin Department of Transportation (WDOT) Risk and Safety Management Section as part of WDOT Project 8040-03-00.

The purpose of the site assessment was to identify possible environmental contamination, within WDOT's proposed right-of-way associated with the underground storage tanks located at the site. The assessment included the following:

- * Regulatory background review
- Site representative interview
- * Two subsurface soil borings to a maximum depth of 14 feet
- * Collection and field screening of the subsurface soil samples for volatile organic compounds
- * Chemical analysis of one subsurface soil sample for total petroleum hydrocarbons (TPH)
- * Chemical analysis of two groundwater samples for volatile organic compounds

The laboratory results of this investigation indicate that THE SOILS AND GROUNDWATER WITHIN THE PROPOSED WDOT RIGHT-OF-WAY ACQUISITION AT THE SITE ARE CONTAMINATED BY PETROLEUM PRODUCT.

Aqua-Tech recommends that more EXTENSIVE MONITORING BE CONDUCTED at the site to determine the extent of contamination and the type of remediation necessary. Monitoring should be conducted in cooperation with property owners near the site after consulting with Wisconsin Department of Natural Resources officials.

2.0 SITE BACKGROUND

2.1 Introduction

This section includes information obtained from the site reconnaissance inspection and regulatory background review.

2.2 Site Location

Bob's Service Station is an active vehicle service and gasoline station located on less than one acre of land in the unincorporated village of Falun, Wisconsin. It occupies a parcel of land on the south side of State Highway 70 approximately 400 feet east from the intersection of State Highway 70 and Range Line Road in Burnett County, Wisconsin (See Figure 2-1).

2.3 Site Geology

The site forms part of the pitted outwash left behind by the retreat of the Wisconsinan (Woodfordian) ice sheets. The site occupies what became Glacial Lake Duluth as glaciation waned. Consequiently, glaciation has been the primary agent determining the geology and physiography of the site.

The soils encountered in the test borings consist of glacially derived medium-coarse sands, gravels and grey clays.

Bedrock in the area is buried to varying depths by glacial deposits. Regionally, it consists of Cambrian age sandstones interbedded with some dolomite and shale.

Figure 2-1

SITE LOCATION



Surface topography at the site is flat (less than 1 percent slope) with adjacent topography sloping gently south toward the Wood River approximately 400 feet from the site.

Groundwater was encountered in test borings at depths of 11 to 12 feet, however, no hydraulic gradient was established. Based on the surface topography, groundwater appears to be flowing south across the Bob's Service Station site.

2.4 Site History

The property was the site of a creamery from 1931 to 1975. The site was purchased and converted to a gasoline and service station in 1975 by Robert Anderson, owner.

Two coated steel 10,000 gallon underground storage tanks containing leaded and unleaded gasoline were installed in 1975. The tanks are registered with the Wisconsin Department of Industry, Labor, and Human Relations (DILHR) Fire Prevention Section. See Appendix A for DILHR Inventory Forms.

2.5 Regulatory Review

The Bob's Service Station is not listed on the U.S. Environmental Protection Agency's CERCLIS inventory of potential uncontrolled hazardous waste sites. In addition, there are no regulatory response records of the site in the Wisconsin Department of Natural Resources files. These files include Wisconsin's List of Active and Abandoned Landfills, the Wisconsin Inventory of Sites or Facilities Which May Cause or Threaten to Cause Environmental

Pollution, and the Statewide Spills and Hazardous Incident Report for the period of January 1978 to June 1989.

3.0 SITE ASSESSMENT PROCEDURES AND FIELD OBSERVATIONS

3.1 Introduction

This section outlines site assessment procedures and field observations of the environmental site assessment at Bob's Service Station site in Falun, Wisconsin. Individual subsections address the site representative interview, reconnaissance inspection, and sampling and chain of custody procedures. Rationales for specific assessment activities are also provided.

3.2 Site Representative Interview

James J. Mertes of Aqua-Tech, Inc. conducted an on-site interview with Robert Anderson, owner of the Bob's Service Station site on November 7, 1989. The purpose of the interview was to gain information useful in completing the environmental site assessment.

3.3 Reconnaissance Inspection

A reconnaissance inspection of Bob's Service Station site and surrounding areas was conducted on November 7, 1989. The reconnaissance inspection included a walk through of the site to determine appropriate sampling locations, taking into consideration the tank bed location, underground and overhead utilities, and site accessibility.

Reconnaissance Inspection Observations

The Bob's Service Station site is located in a rural commercial district interspersed with residential housing in Falun, Wisconsin. The site is bounded to the north by State Highway 70. The boundaries to the south, west and east are surveyed property lines. The site is surrounded by adjacent

business and residential properties, with the nearest business located approximately 50 feet west and the nearest residence approximately 50 feet east. An abaondoned gasoline station borders the site to the west (Hedlund DX). Groundwater and soil contamination has been identified at the site.

The two 10,000 gallon underground storage tanks are located at the northeast corner of the building. The pump island is located approximately 25 feet from the existing edge of pavement of STH 70. The pump islands and underground storage tanks are not within the WDOTs proposed right-of-way expansion for STH 70. See Appendix B for site photographs.

3.3 Sampling Procedures

Samples were collected from borings at locations selected during the reconnaissance inspection to determine whether gasoline is present in the soil and/or groundwater surrounding the underground storage tank site.

On November 7, 1989, Aqua-Tech collected one subsurface soil sample and two groundwater samples within the boundaries of WDOTs proposed right-of-way acquisition. No samples were collected on the portion of the Bob's Service Station property which is not being considered for right-ofway purchase. See Figure 3-1 for sampling locations. Soil Sampling Procedures

Subsurface soil sample B-2 was collected at the 12 to

FIGURE 3-1 Site Features and Sampling Lo cions



14 foot depth interval approximately 15 feet north of the pump island.

Soil samples were not collected for laboratory analysis from boring B-1 because no VOCs were indicated by screening the soils with a photoionization meter.

Subsurface soil samples were collected with a truckmounted rotary drill equipped with hollow stem augers and 2 inch diameter, 24 inch split spoon sampler. The split spoon sampler was advanced by conventional methods, including the attachment of the sampler to an AW rod and standard 140 pound hammer.

All drilling tools and equipment were washed with highpressure steam equipment prior to the start of sampling work. All sampling tools were washed with an alconox and reagent water solution between sample points to prevent cross-contamination within the boring.

A preliminary survey was conducted by screening samples with a photoionization meter immediately upon opening the split spoon sampling tube. Results from the survey were used to select the most contaminated soils from each boring for laboratory analysis. Data from the preliminary survey is recorded on the soil profile logs in Appendix C.

After lithologic logging (See Appendix C), the selected samples were stored in clean 4 ounce jars and cooled to 4°C for transport to the laboratory.

Upon completion of sampling, the boreholes were backfilled with bentonite mixture and surface concrete was patched where necessary.

Subsurface soil sample B-2 was analyzed for total petroleum hydrocarbons (TPH) at the NET Midwest laboratory in Rockford, Illinois by the California GC Method.

Groundwater Sampling Procedures

Groundwater samples WB-1 and WB-2 were collectd to determine whether any gasoline components had migrated from the tank bed area via groundwater (See Figure 3-1). Samples were collected from borings B-1 and B-2 respectively, by inserting a clean stainless steel bailer down the hollow stem augers and transferring the contents to two 40 ml. glass vials. The vials were then sealed, taking care to ensure no air was included, and cooled to 4°C for transport to the laboratory.

All water samples were analyzed for volatile organic compounds by the NET Midwest laboratory in Rockford, Illinois by EPA Method 8240.

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 maintained during their collection, transportation, storage, and 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 sample 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 provided the following information:

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

A Chain of Custody Record (See Appendix D) was fully completed in duplicate by the Aqua-Tech sampler 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 completed. The record was 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 analysis of the subsurface soil sample and groundwater sample for total petroleum hydrocarbons (TPH) and volatile organic compounds respectively.

4.2 Analytical Procedures

Samples were analyzed by the NET Midwest laboratory in Rockford, Illinois by methods referenced in Section 3.3.

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.

- 4.3 Results of Chemical Analysis of Aqua-Tech Collected Samples Chemical analysis of the soil sample yielded the following results:
 - * Subsurface sample B-2 was contaminated at the level of 20 ug/g TPH as diesel

All results are calculated on a dry weight basis as required by the Wisconsin Department of Industry, Labor and Human Relations (DILHR). See Table 4-1 for complete soil sample analysis results. Original laboratory data is provided in Appendix E.

TABLE 4-1

BOB'S SERVICE STATION SITE

SUBSURFACE SOIL SAMPLE ANALYSIS RESULTS

Soil	Depth Interval	Field Photoionization	TPH* ug/g
Sample	(feet)	level (ppm)	
в-2	12 - 14	2	20(as diesel)

- * Results reported on a dry weight basis.
- ** 10 ug/g is the maximum amount of TPH contaminants allowed in soil before remediation is required by the Wisconsin Department of Industry, Labor and Human Relations (DILHR).

Chemical analysis of groundwater samples yielded the following :

- No volatile organic compounds (VOC's) were identified in sample WB-1 above the laboratory detection limits.
- * Petroleum components were identified in sample
 WB-2 at the following levels: benzene (4.3 ug/1),
 ethylbenzene (5.2 ug/1), and xylenes (5.0 ug/1).

See Table 4-2 for complete groundwater analysis results. Original laboratory data is provided in Appendix F.

TABLE 4-2

BOB'S SERVICE STATION SITE

GROUNDWATER SAMPLE ANALYSIS RESULTS**

Groundwater Sample	Field Photoionization level (ppm)	Benzene (ug/1)	Ethylbenzene (ug/l)	Xylenes (ug/l)
WB-1	0	<1.0	<1.0	<1.0
WB-2	6	4.3	5.2	5.0

** Samples were analyzed for additional volatile organic compounds. No compounds were identified above the laboratory detection limits. Original laboratory data is provided in Appendix F.

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5.0 DISCUSSION OF ASSESSMENT RESULTS

5.1 Introduction

This section discusses data and information that apply to observed and potential contamination that may be attributable to the Bob's Service Station site.

5.2 Soil

TPH as diesel contamination was identified in boring B-2 at the site above the DILHR 10 ug/g remedial action level.

No volatile organic compounds were identified by field screening subsurface soil samples with a photoionization meter from boring B-1.

Extensive petroleum contamination was identified at a former gasoline and service station (Hedlund DX) bordering the Bob's Service Station site to the west. Based on the location of borings and contaminant levels identified, this suggests contamination may be migrating to the Bob's Service Station site from off site. However, TPH was qualified as diesel at Bob's Service Station and TPH was qualified as gasoline at the bordering property.

Soil appeared to be contaminated only near or below the water table at the Bob's Service Station site, suggesting that contaminants are migrating via groundwater.

5.3 Groundwater

The groundwater table was encountered in the test borings at depths of 11 to 12 feet. Laboratory analysis of sample WB-2 revealed a benzene level of 4.3 ug/g. This

exceeds the Wisconsin Administrative Code NR 140 Groundwater Quality Enforcement Standard as outlined in Table 4-3.

No groundwater contaminants were identified in sample WB-1 collected east of WB-2 within the proposed WDOT rightof-way.

TABLE 4-3

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WISCONSIN ADMINISTRATIVE CODE

CHAPTER N.R. 140

GROUNDWATER QUALITY STANDARDS

Substance	Enforcement Standard (micrograms per liter)	Preventative Action Limit (micrograms per liter)		
Benzene	0.67	0.067		
Ethylbenzene	1360	272		
Toluene	343	68.6		
Xylene	620	124		

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6.0 RECOMMENDATIONS

After completing the initial environmental assessment at the Bob's Service Station site, Aqua-Tech recommends that additional soil and groundwater monitoring be conducted to determine the most practical solution for site remediation.

Soil and groundwater contamination have been identified within the proposed right-of-way acquisition at the site. Substantial contamination has been identified on property bordering the Bob's Service Station site to the west (Hedlund DX) by a separate assessment conducted by Aqua-Tech. It is recommended that additional monitoring be conducted in coordination with site owners and the Wisconsin Department of Natural Resources to define the areal extent of contamination.

An estimate for the cost of site remediation is not possible until the extent of contamination has been identified. However, it is recommended that remediation be undertaken on the WDOT right-of-way and proposed right-of-way at the same time that surrounding properties are remediated.

APPENDIX A

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Wisconsin Department of Industry, Labor and **Human Relations**

For Office Use Only:	51	
Tank ID # 07023	20	

⁻ 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

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 Tank Registration Applies To (check one):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Tank still in active use Inoperative or abandor Inoperative or abandor Location for which tan New tank to be installed	ned tank with produ ned tank with no kn < has been removed d (provide date):	ıct still in own proo J	tank duct in tank SAF	PECEN FEB 24 19	行会し 186 1955. DIV.
A. IDENTIFICATION						<u></u>	
1. Name of Installation			2. Name for Mailing	if Different	Than # 1		
Bubs SERVICE							
Street Address of Installation			Mailing Address if	Different T	han #1		
TT BOX 715		······			·		
	ge 🛄 Tow	nof: DANIZAS		L Vi	llage L	Town of:	
State -	Zip Code 5 4 8 7 2	BURNETT D	State		Zip Code	County	
3. Name of Contact Person			4. Name of Owner if	Different fi	rom #3		
Robert Pr	INC/ERSON~						
Street Address	_		Street Address				
<u>KT / Bex 7</u>	<i>i</i>						
	ge 🗌 Tow	n of:		[] vil	llage [Town of:	
State	Zip Code	County	State		Zip Code	County	
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Telephone Number (include are	a code)		Telephone Numbe	er (include a	area code)		
1-715-687-	244) ORS	2589			1		
5. Fire Department Name and ID ;	#	6. Tank Age (date in	istalled, if known; or year	rs old)	7. If Tank Aba	indoned, Cive Da	te (mo / da y / yr)
GRANISH TO LUI		1975					
8 Tank Canacity		9 Tank Manufacturer's Nar	ne iš known:				
(in gallons)	ú						
B. TANK CONSTRUCTION	••••••••••••••••••••••••••••••••••••••						
	 2 □ c	the dically Protected Ste	al		2 M	Controd Stool	
4. Fiberglass	5. 🗌 Ot	her (specify):		·	، ب ک ،		
C. TANK CONTENTS:					•		
1. Diesel	2 🔽 le	ided Casoline			`		
4. Fuel Oil	5. 🖵 Ga	sohol	6. Other (sp	ecify):	-		
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D. TYPE OF USER (check or	1e):						
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		vernment	7. 🛄 School		8. L. P	Residential	
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SBD-7437 (N. 04/85)							

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Wisconsin Department of Industry, L or and Human Relations

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For Office Use Only:		
Tank ID # ()7023	51	

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

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 Tank 1. Registration Applies 2.	Tank still in active use Inoperative or abandon	ed tank with product still in	tank	CEIVED	
10 (cneck one): 3. 4. 1 5. 1	Location for which tank New tank to be installed	d (provide date):	SAFE	y <u>3 Bld</u> gs. Div.	
A. IDENTIFICATION 1. Name of Installation Reduces		2. Name for Mailing if Different	Than #1	. <u></u>	
Street Address of Installation		Mailing Address if Different T	han:#1		
City Village 🛛 Tox	VN of: DANIELS		lage 🗌 To	own of:	
$\begin{array}{c c} \text{State} & \text{Zip Code} \\ \hline (\lambda) & \text{S} 4872 \end{array}$	County Bain #7175	State	Zip Code	County	
3. Name of Contact Person <u>Dobz2TP</u> <u>Awclers</u>	<u></u>	4. Name of Owner if Different fr	rom #3		
Street Address		Street Address			
City Village Tov	vn of:		llage 🗌 To	own of:	
State Zip Code U_1 $S + 8^2 7 2$	County Burning TT	State	Zip Code	County	
Telephone Number (include area code) <u>/- 7/5 - 689-2445</u>	2 2584	Telephone Number (include area code)			
5. Fire Department Name and ID #	6. Tank Age (date in	istalled, if known; or years old)	7. If Tank Abandone	ed, Give Date (mo / day / yr)	
<u>EFRASHUR</u> 8. Tank Capacity	9. Tank Manufacturer's Nar	me, if known.			
B. TANK CONSTRUCTION:	570	<u> </u>		<u>. </u>	
1. Bare Steel 2. C 4. Fiberglass 5. O	athodically Protected Ste ther (specify):	el	3. 🛛 Coate	ed Steel	
C. TANK CONTENTS: 1. Diesel 2. Le 4. Fuel Oil 5. G	eaded Gasoline asohol	3. 🛛 Unleaded Gasoline 6. 🗌 Other (specify):	e		
D. TYPE OF USER (check one): 1. Gas Station 2. But 5. Industrial 6. G 9. Agricultural 10. O	ulk Storage overnment ther (specify):	3. Utility 7. School	4. 🗌 Merca 8. 🗌 Reside	antile ential	
Signature of Person Completing Form: John Condust SBD-7437 (N. 04/85)		Date Completed: 2 - 11 - 8 6		•	

APPENDIX B

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FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Bob's S	ervice Station, F	alun, Wisconsin	PAGE 1	OF 2
U.S. EPA ID:				
DATE: > 11/7/89	-			N.C.
TIME: > 1:30 P.M.	-			
DIRECTION OF PHOTOGRAPH: > South				
WEATHER CONDITIONS:				
> 45°F			and the second	
PHOTOGRAPHED BY: > Mitch Evenson				
SAMPLE ID (if applicable): > N/A				
DESCRIPTION: > Vie	w showing west si	de of Bob's Servio	ce Station, Hedland	DX is
> in the right for	eground.			
>	,			
				
DATE: > 11/7/89	-			
TIME: > 1;30 P.M.	-			
DIRECTION OF PHOTOGRAPH:			A Holden and and a second and a s	: در این
> Southeast				
WEATHER CONDITIONS: > Clouds	J. 4 			2
> 45°F				E E
PHOTOGRAPHED BY: > Mitch Evenson				
SAMPLE ID (if applicable): > N/A	_			
DESCRIPTION: > Vie	w of pump islands	and close proxim	ity to STH 70.	

<u>></u> > APPENDIX C

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		Sheet_1_of_2_ DDAFILE I Ac Aqua-Tech, Incorporated				
A q u a	Project _	NUTILL LUG 140 S. Park Street Bob's service station Port Washington, WI 53074 Telephone:				
Tech	_OCUUON <u>=</u> 	Falun, Wisconsin (414) 284-5746 8040-03-00 (414) 375-0407 (Milw Metro)				
Boring # Surface Elevation						
No. Moisture C Levels	Depth	Description and Remarks				
Dry O		0.0' - 3.0' Sand and Gravel				
	5.0	3.0' - 6.0' Sand				
о — — — —	- - 10.0_	6.0' - 11.0' Grey Clay				
WB-1 Wet 0	12.0	11.0' - 12.0' Gravel and Sand				
		Terminated Boring at 12.0' No Bedrock Encountered Groundwater Encountered at 11.0' Groundwater Sample WB-1 Collected at 11.0' - 12.0'				
Water Level Observa	tions Stort	General Information Dote 11/7/89 Drilling Method Hollow Stem Auger HNU Split Spoon Sampler				
	Completion Dote Logger					

Aqua	SOIL	PROFILE LOG Aqua-Tech, Incorporated 140 S. Park Street Port Washington, VI 53074				
Tech	Locatio	DN Falun, Wisconsin Telephone:				
Boring # Surface Elevation						
No. Moisture	LES HNU Depti Levels (n)	Description and Remarks				
Dry	0.0	0.0' - 3.0' Sand With Clay				
	0 5.0	- 3.0' - 6.0' Sand				
	0	6.0' - 10.0' Grey Clay				
WB-2	1	10.0' - 14.0' Sand				
B-2 Wet	2 14.	o]				
	_ 15.	<pre>0_ Terminated Boring at 14.0' No Bedrock Encountered. Groundwater Encountered at 12.0' Groundwater HNU Level 6 ppm Soil Sample B-2 Collected at 12.0' - 14.0'</pre>				
Water Level Obs While Drilling Depth to Woter12_0' Depth to Cove-In	servations	General InformationStart Date11/7/89Drilling MethodHOLLow Stem AugerHNU SplitSpoon SamplerCompletion Date11/7/89Logger				

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APPENDIX D

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	AQUA-TE 140 S. Par Port Wash Phone (41	CH, INC. k Street ington, W 4) 284-574	53074 6				CHAIN	OF CUS	тог	DY R	ECC	ORD				× .
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LAB NO.	DATE	TIME	COMP	GRAB	STAT	ION LOC	CATION	CON- TAINERS	/x			_			. *	HWY
67911	11-7-89			¥	W	B-1	· · · ·			X	Í	Í	Í	wat		0
67912	11-7-89			Ŷ	W	'B-2	· · · ·			X				water		6
67913	11-7-89			۴		B-2	12-141		X					SOFL		2
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arm	Ĵ,	Mus	k	- /	-7-89								•••	Name	J Mik	
elinquish	gel by:	(Signa	ture)		Date /	' Time	Received by: (Signa	ature)			Date	/ Time		Street	Aque TECH	
elinquishe	ed by: ((Signat	ure)	11	Date /	Time ;)ろD	Received for Labora	atory by: (S	ignat	ure)		I		City	State	Zip
lemarks						1000	Jona	INCC	fe				••••••••••••••••••••••••••••••••••••••	Remarks]	
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Distribution: White - Accompanies Shipment; Yellow - Laboratory File; Pink - Coordinator Field Files

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APPENDIX E

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NET Midwest, Inc. Rockford Division 3548 35th Street Rockford, IL 61109 Tel: (815) 874-2171 Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson AQUA-TECH INC. 140 South Park Street Port Washington WI 53074 12-01-89

Sample No: 67913

SAMPLE DESCRIPTION: B-2 12-14', Grab Soil DOT-Bob's Service Station Date Taken: 11-07-89 Date Received: 11-09-89 1230

Tot.Pet.Hydrocarbons (GC) 20. (as diesel)

ug/g

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Toni Gartner, Manager Rockford Division

APPENDIX F

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NATIONAL ENVIRONMENTAL ® TESTING, INC. NET Midwest, Inc. Rockford Division 3548 35th Street Rockford, IL 61109 Tel: (815) 874-2171 Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson AQUA-TECH INC. 140 South Park Street Port Washington WI 53074 11-21-89

Sample No: 67911

SAMPLE 1	DESCRI	PTION:	WB-1, DOT-BO	Grab obs Se	Water	Station			
Date Tal	ken:	11-07-89				Date	Received:	11- 09-89	1230

VOLATILE COMPOUNDS

Acrolein	<10.	ug/L
Acrylonitrile	<10.	ug/L
Benzene	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<10.	ug/L
Carbon tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<10.	ug/L
2-Chloroethyl vinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<10.	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<10.	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L

Topi Gartner, Manager Rockford Division

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NET Midwest, Inc. Rockford Division 3548 35th Street Rockford, IL 61109 Tel: (815) 874-2171 Fax: (815) 874-5622

ANALYTICAL REPORT

NATIONAL ENVIRONMENTAL ® TESTING, INC.

Mr. Mitch Evenson AQUA-TECH INC. 140 South Park Street Port Washington WI 53074 11-21-89

Sample No: 67911

SAMPLE DESCR	IPTION:	WB-1, Grab DOT-Bobs Se	Water ervice Sta	Station			
Date Taken:	11-07-89			Date Rec	eived: 1	11- 09-89 12	1230
				· · ·			
Ethylbenze	ne	<1	.0		uq	/L	
Methylene 1,1,2,2-Te	chloride trachloro	<5 ethane <1	.0		ug/ ug/	/L /L	

Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<10.	ug/L
Xylenes	<1.0	ug/L
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Toni Gartner, Manager Rockford Division

NET Midwest, Inc. Rockford Division 3548 35th Street Rockford, IL 61109 Tel: (815) 874-2171 Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson AQUA-TECH INC. 140 South Park Street Port Washington WI 53074 11-21-89

Sample No: 67912

SAMPLE DESCRIPTION: WB-2, Grab Water DOT-Bobs Service Station

NATIONAL ENVIRONMENTAL B TESTING, INC.

Date Taken: 11-07-89

Date Received:

11-09-89 1230

VOLATILE COMPOUNDS

<10.	ug/L
<10.	ug/L
4.3	ug/L
<1.0	ug/L
<1.0	ug/L
<10.	ug/L
<1.0	ug/L
<1.0	ug/L
<10.	ug/L
<1.0	ug/L
<1.0	ug/L
<10.	ug/L
<1.0	ug/I.
<10	
	ug/L
<1.0	ug/L
	<10. <10. 4.3 <1.0 <1.0 <10. <1.0 <10. <10. <10. <10.

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Toni Gartner, Manager Rockford Division



NET Midwest, Inc. Rockford Division 3548 35th Street Rockford, IL 61109 Tel: (815) 874-2171 Fax: (815) 874-5622

ANALYTICAL REPORT

Mr. Mitch Evenson AQUA-TECH INC. 140 South Park Street Port Washington WI 53074 11-21-89

Sample No: 67912

SAMPLE DESCRIPTION: WB-2, Grab Water DOT-Bobs Service Station Date Taken: 11-07-89 Date Received: 11-09-89 1230

Ethylbenzene	5.2	ug/L
Methylene chloride	<5.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	uq/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	uq/L
Vinyl chloride	<10.	ug/L
Xylenes	5.0	ug/L
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Toni Gartner, Manager Rockford Division