

CORRESPONDENCE/MEMORANDUM-----

DATE: August 28, 1990

TO: Nancy Kronstedt, Hwy 29 Management Team

FROM: Julie White, Site Assessment Coordinator
Risk, Safety, and Hazardous Materials Management

Subject: ENVIRONMENTAL SITE ASSESSMENT
Property: Marinaran Property Site (S29)
Project I.D.# 1059-15-01

Attached are two copies of the Environmental Site Assessment for the above property.

The assessment recommends:

Soils at the site are contaminated by petroleum products. Groundwater contamination is unknown. In addition, lab results indicate the presence of VOC's above background levels at this site.

If right of way is to be purchased at this site additional investigation is recommended.

If you have any questions about the data contained within this report or need additional information, please contact me at (608) 266-1476.

cc: Frank Smilgis; C.O.Design
DNR ✓
File

Shawano Co.

*500 gal active
gas*

PHASE II
ENVIRONMENTAL ASSESSMENT REPORT
FOR THE
MARINAN PROPERTY SITE
STATE HIGHWAY 29
TOWN OF HARTLAND
SHAWANO COUNTY, WISCONSIN

AUGUST 1990

PREPARED FOR THE
WISCONSIN DEPARTMENT OF TRANSPORTATION
PROJECT 1059-15-01 (S29)

PREPARED BY
AQUA-TECH, INC.
140 SOUTH PARK STREET
PORT WASHINGTON, WISCONSIN 53074
ATI PROJECT NO. 91962

PHASE II
ENVIRONMENTAL ASSESSMENT REPORT
FOR THE
MARINAN PROPERTY SITE
STATE HIGHWAY 29
TOWN OF HARTLAND
SHAWANO COUNTY, WISCONSIN
WDOT PROJECT 1059-15-01 (S29)

Prepared By: Randall S. Igel Date: 8/22/90
Randall S. Igel
Environmental Assessment Specialist
Aqua-Tech, Inc.

Reviewed By: P. Vance Jackson, Jr. Date: 8/22/90
P. Vance Jackson, Jr.
Hydrogeologist
Aqua-Tech, Inc.

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1.0 SUMMARY

Aqua-Tech, Inc. has completed a Phase II Environmental Assessment for the Marinaran Property site in Shawano County, Wisconsin, as contracted by the Wisconsin Department of Transportation (WDOT) Risk and Safety Management Section on March 22, 1990, as part of WDOT Project 1059-15-01.

The purpose of this assessment was to identify possible environmental contamination associated with the underground storage tank located at the site. The assessment included the following:

- * Regulatory background review
- * Site representative interview
- * Site reconnaissance inspection
- * Three soil borings to a maximum depth of 20 feet
- * Collection and field screening of subsurface soil samples for volatile organic compounds (VOCs)
- * Chemical analyses of three subsurface soil samples for total petroleum hydrocarbons (TPH)

Results of this investigation indicate that THE SOILS AT THE SITE ARE CONTAMINATED BY PETROLEUM PRODUCTS. TPH levels above the 10 ug/g Wisconsin Department of Industry, Labor, and Human Relations (DILHR) remedial action level were detected by laboratory analysis. In addition, field screening of the soil samples indicated the presence of volatile organic compounds at concentrations above background levels for the site.

Groundwater was not encountered in the test borings completed at the site. It is unknown whether or not groundwater has been adversely impacted.

If the WDOT determines to purchase this parcel, Aqua-Tech, Inc. recommends further investigation to define the extent of soil contamination and to determine whether groundwater has been impacted by petroleum products. Aqua-Tech, Inc. estimates the cost of additional investigation to be approximately \$3,643.

2.0 SITE BACKGROUND

2.1 Introduction

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

2.2 Site Location

The Marinan Property site, is located in the northwest corner of the intersection of State Highway 29 and Hilltop Lane, (Lodge Road) (See Figure 2-1). It is approximately 2.25 miles southeast of the city of Bonduel on State Highway 29.

2.3 Site Geology

Glaciation has been an important agent in determining the geology and physiography of the site. The site is located on the borders of the Central Plain Province and the Eastern Ridges and Lowland Province. The surface deposits are part of the ground/recessional moraine complex deposited by the Wisconsin ice sheet during Valderan time. Moraines consist of poorly sorted, poorly stratified, glacially derived gravels, sands, silts, and clays. The soils encountered in the test borings consisted of clays, silty clays, sands and gravels, and are consistent with the regional complex of glacial sediments.

Regionally, bedrock consists of Ordovician dolomite with some sandstone and shale of the Prairie Du Chien formation. Bedrock was not encountered in any of the three soil borings completed to depths of 20, 12, and 17 feet.

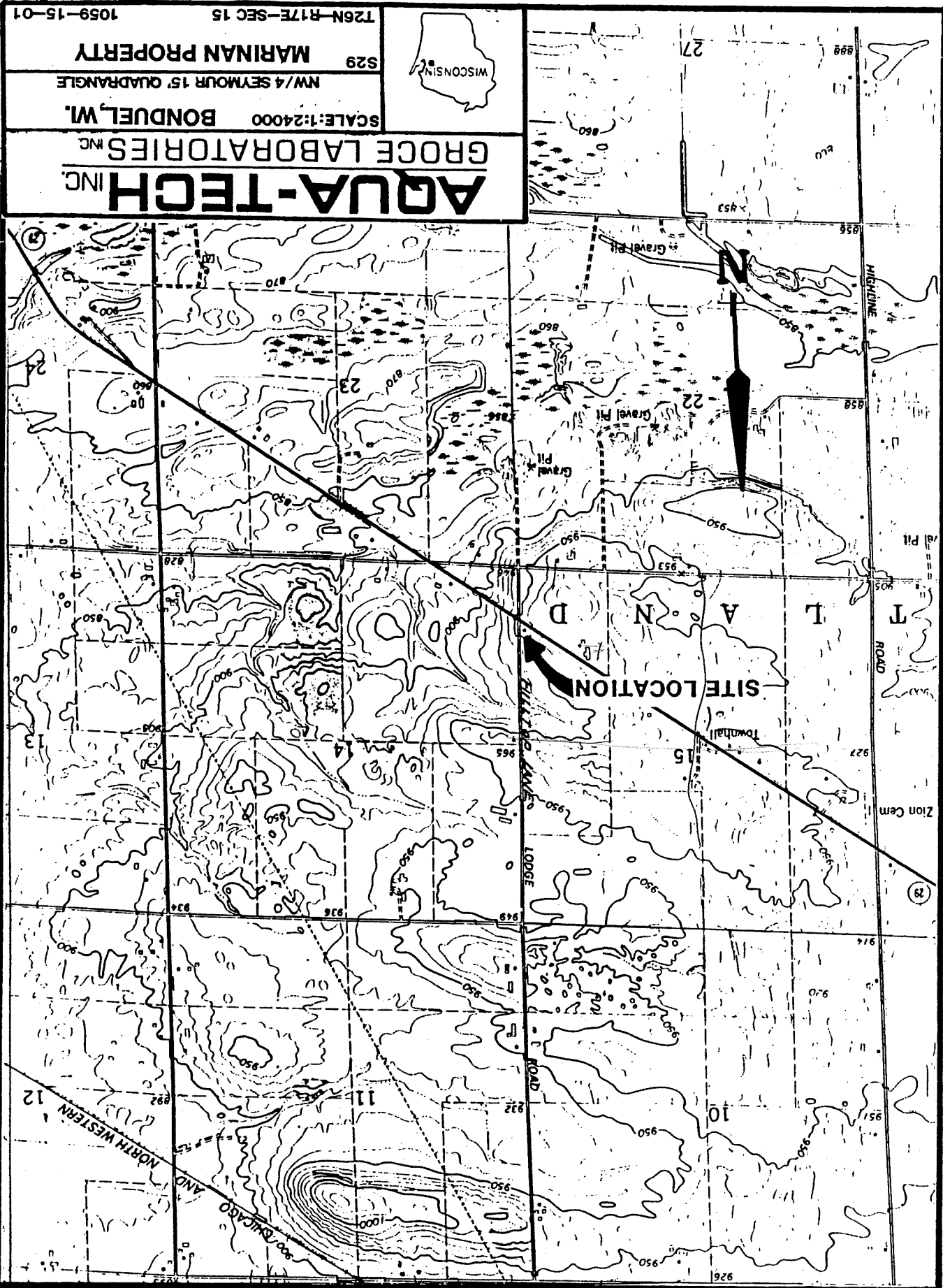


FIGURE 2-1

Groundwater was not encountered in any of the soil borings. Water table elevation and hydraulic gradient were not determined. Groundwater flow is believed to mimic local surface topography which slopes 4 to 7 percent to the south-east from the site.

2.4 Site History

Mr. Joe Marinan, owner of the site, resides in Green Bay, Wisconsin. Mr. Marvin Berkhahn manages the property. According to Mr. Berkhahn, the site was utilized as a cheese factory from 1929 until 1932. From 1932 to present, the site has been operated as an ice cream factory, known as Dehns, Inc. There is one active 500 gallon underground leaded gasoline storage tank on site. The tank was installed approximately fifteen years ago. According to Mr. Doug Berkhahn, employee of Dehn's Inc., one gasoline spill occurred in 1988 due to an overflow of the tank.

2.5 Regulatory Review

The Marinan Property site is not listed on the U.S. Environmental Protection Agency's CERCLIS inventory of potential uncontrolled hazardous waste sites. The site is also not listed on the Wisconsin Department of Natural Resources List of Active and Abandoned Landfills, the Wisconsin Inventory of Sites or Facilities Which May Cause or Threaten to Cause Environmental Pollution, or the Statewide Spills and Hazardous Incident Report for the period of January 1978 to December 1989. Two sites near the Marinan Property

are listed as fuel oil spills on the Statewide Spills and Hazardous Incident Report (See Appendix A). Because of the location and minor volumes of the spills, it is believed that they have had no impact on the Marinan Property.

There is one 500 gallon active underground leaded gasoline storage tank at this site listed on the Wisconsin Department of Industry, Labor, and Human Relations computer inventory (See Appendix B).

3.0 SITE ASSESSMENT PROCEDURES AND FIELD OBSERVATIONS

3.1 Introduction

This section outlines site assessment procedures and field observations for the environmental assessment at the Marinan Property site in the town of Hartland, Wisconsin. Individual subsections address the site representative interview, reconnaissance inspection, sampling and chain of custody procedures.

3.2 Site Representative Interview

On February 27, 1990, Jim Mertes of Aqua-Tech, Inc. conducted a personal on-site interview with Mr. Marvin Berkhahn, manager of Dehn's Inc. On May 23, 1990, Peter Pavalko of Aqua-Tech conducted a personal on-site interview with Mr. Doug Berkhahn, employee of Dehn's Inc. The purpose of the interviews was to gather information regarding past and present uses of the site and any potential environmental impact of these activities.

3.3 Reconnaissance Inspection

A reconnaissance inspection of the Marinan Property site and surrounding area was conducted on February 27, 1990, by Jim Mertes and Dean Fritsche of Aqua-Tech. The reconnaissance inspection included a walk through of the site to determine appropriate sampling locations, taking into consideration the tank and building locations, underground and overhead utilities, site accessibility, and WDOT right-of-way.

Reconnaissance Inspection Observations

The site consists of one acre of property. State Highway 29 is southwest of the site and Hilltop Lane (Lodge Road) is east. There is an ice cream factory/residence on the property as well as a three car garage and a shed (See Figure 3-1). A pump dispenser is located 75 feet northeast of Highway 29 and 40 feet west of Hilltop Lane next to the ice cream factory. One underground storage tank is next to the three car garage approximately 120 feet northeast of Highway 29 and 100 feet west of Hilltop Lane. Photographs of the Marinaran Property site are provided in Appendix C.

No evidence of spills or leakage of petroleum products or other hazardous substance was noted at the site (e.g. stressed vegetation, stained soil). No other areas of environmental concern were identified during the reconnaissance inspection.

3.4 Sampling Procedures

Subsurface soil samples were collected by Pete Pavalko from boring locations selected during the reconnaissance inspection to determine whether petroleum hydrocarbons were present in the environment at the site and the WDOT right-of-way. Refer to Figure 3-1 for sampling locations.

Soil Sampling Procedures

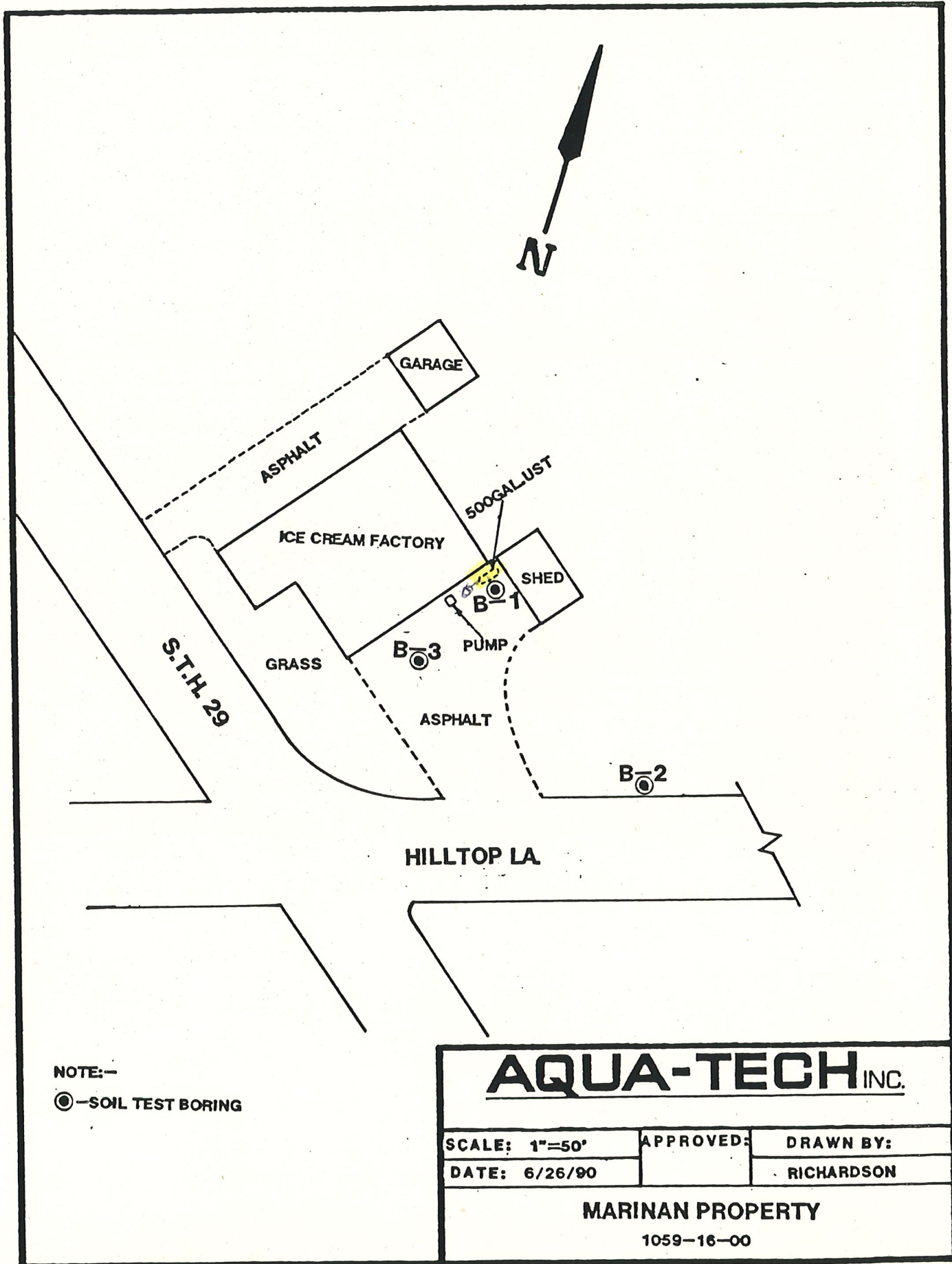
Subsurface soil sample B-1 was collected as a grab sample from the 3 to 5 foot depth interval of soil boring B-1. Boring B-1 was located approximately 100 feet northeast of

Need to remove
product

closed
window

unavailable inventory
- discovery after 5-91.

FIGURE 3-1



Highway 29 and 50 feet northwest of Hilltop Lane, next to the underground storage tank. Subsurface soil sample B-2 was collected as a grab sample from the 15 to 17 foot depth interval of soil boring B-2. Boring B-2 was located approximately 120 feet northeast of Highway 29 along the northwest side of Hilltop Lane (Lodge Road). Subsurface soil sample B-3 was collected as a grab sample from the 10 to 12 foot depth interval of soil boring B-3. Boring B-3 was located approximately 50 feet northeast of Highway 29 and 20 feet northwest of Hilltop Lane (Lodge Road) (See Figure 3-1).

Additional subsurface soil samples were taken from each soil boring, warmed, and field screened with a photoionization detector (PID). Depths and PID readings for each sample were recorded on soil profile logs (Appendix D). When samples screened with the PID revealed VOCs, the sample with the highest reading was collected. When field screening did not reveal any contamination, only the sample from the deepest interval penetrated was retained for laboratory analysis. Selected samples were stored in clean, teflon lidded four ounce jars and cooled to 4⁰C for transport to the laboratory.

The subsurface soil samples were collected with a truck mounted rotary drill equipped with hollow stem augers and a two 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 high pressure steam equipment prior to the start of sampling work. All sampling equipment was decontaminated with an alconox and reagent water solution between sampling points to prevent cross contamination within the boring.

Upon completion of sampling, the borehole was completely backfilled with bentonite and abandoned according to Wisconsin Administrative Code N.R. 141.25. Borehole abandonment documentation is included in Appendix D.

3.5 Chain of Custody Procedures

This section describes procedures used for sample identification and chain of custody. The purpose of these procedures is to ensure that the integrity of the samples is maintained during their collection, transportation, and storage through 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 sampling containers, labels are filled out prior to sample collection. The sample label is completed using waterproof

ink and is firmly affixed to the sample containers. The sample label provides the following information:

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

The chain of custody (See Appendix E) 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 matches that on the chain of custody record. A copy of the completed chain of custody record is retained by the laboratory until analyses are complete. 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).

4.2 Analytical Procedures

The collected soil samples were analyzed for total petroleum hydrocarbons as gasoline at Aqua-Tech, Inc. in Port Washington, Wisconsin, using the Modified California Method. 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 Analyses of the Aqua-Tech Collected Soil Samples

Chemical analysis of the soil sample B-1 indicates TPH contamination at a level of 350 ug/g as gasoline. Analyses of samples B-2 and B-3 indicate no TPH as gasoline above the 1.0 ug/g (ppm) laboratory detection limit. All results were calculated on a dry weight basis, as required by the Wisconsin DILHR. See Table 4-1 for complete soil sample results. The original analytical data are provided in Appendix E.

TABLE 4-1

MARINAN PROPERTY SITE

TOWN OF HARTLAND, WISCONSIN

SOIL SAMPLE CHEMICAL ANALYSIS RESULTS

DATE COLLECTED: MAY 23, 1990

DATE ANALYZED: JUNE 6, 1990

<u>Parameter</u>	<u>Sample B-1</u>	<u>Sample B-2</u>	<u>Sample B-3</u>
Depth Interval (feet)	3-5	15-17	10-12
Total Petroleum Hydrocarbons (ug/g)*	350**	0	0
Laboratory Detection Limits (ug/g)	1.0	1.0	1.0
Maximum PID Readings from field screening	200	0	0

* All TPH results reported on a dry weight basis.

** Ten ug/g is the maximum level of petroleum contamination allowed in soil before remediation is required by the Wisconsin Department of Industry, Labor, and Human Relations.

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 past activities at the Marinaran Property site.

5.2 Soil

Subsurface soil sample B-1 was found to contain 350 ug/g TPH as gasoline by laboratory analysis. This sample was collected at close proximity to the underground storage tank on the site. The contamination may be due to the tank leakage or to an overflow that occurred in 1988. Subsurface soil sample B-2 was collected along Hilltop Lane (Lodge Road), approximately 65 feet down slope from the tank. This sample did not reveal any TPH contamination. Borehole B-2 could not have been drilled closer to the tank because of the slope of the area in between the tank and the road. Subsurface soil sample B-3 was collected approximately 45 feet south of B-1 and slightly down slope. Borehole B-3 also revealed no TPH contamination.

5.3 Groundwater

Groundwater was not encountered in any of the test borings. No groundwater samples were collected at the time of soil investigation and it is unknown if groundwater has been impacted by petroleum contaminants.

6.0 RECOMMENDATIONS

Field screening and laboratory analysis showed petroleum contamination in borehole B-1. Boreholes B-2 and B-3 did not show any contamination by field screening or laboratory analysis. Therefore, Aqua-Tech, Inc. believes that the soils between borehole B-2 and Hilltop Lane, and borehole B-3 and State Highway 29 are uncontaminated by petroleum products.

If the WDOT determines to purchase this parcel, Aqua-Tech, Inc. recommends completion of a Phase III environmental investigation to define the extent of soil contamination, to determine if groundwater has been impacted at the site, and to develop an appropriate remedial action plan. A Phase III environmental investigation is estimated to cost \$3,643 and will entail the following:

Three soil borings (at least one to groundwater)	\$1,194
Analyses of three soil and one groundwater sample	425
Equipment charges (includes vehicle, PID, metal detector, and supply kit)	150
Travel and Mobilization	374
On Site Consulting	500
Technical Report Writing	900
Project Management	<u>100</u>
TOTAL	\$3,643*

* This estimate is based on a minimum of three boreholes and assumes normal surface and subsurface conditions. Additional

boreholes may be necessary and will be determined on site.
Additional work will be billed on a time and materials basis.

APPENDIX A

Spills by County Within District

Date	Substance	Quantity	Location	City	Town	Range	Section	Q01	Q02	Cause	Spiller and City
12/15/1983	MINERAL OIL W/ PCBS, OTH	< 100 G	CTH C - 1 MI N CTH W	N/A						TRAFFIC ACCIDENT	WIS ELECTRIC POWER CO, APPLETON
12/29/1983	OIL, #2	~ 2000 G	BONDUEL OIL	BONDUEL						OVERFILLED STORAGE TANK	BONDUEL OIL, BONDUEL
01/03/1984	SOLVENTS, RESINS, LACQUER	UNK	STH 32- 2MI N OF PULASKI	PULASKI						FIRE	CLOCKS AND THINGS. PULASKI
01/23/1984	FUEL OIL	60-70 G	STH 29-100 YDS E HILL RD	N/A						TRAFFIC ACCIDENT	GREEN ARROW MOTOR EXPRESS, NC
01/30/1984	PESTICIDES	200 #	EQUITY COOP	SHAWANO						UNK	SOO LINE RAILROAD
02/12/1984	FUEL OIL & TRANS FLUID	52 G	CARROLL RD & BEECH RD	N/A		12E	02		NW	TRAFFIC ACCIDENT	JORDAN TRUCKING, DE PERE
07/08/1984	DIESEL FUEL, OTHER	90 G	CTH A-.5 M N OF CTH G	N/A						TRAFFIC ACCIDENT	SCHULZ TRUCKING INC, ANTIGO
08/21/1984	FUEL OIL	UNK	ROBEL RD OF STH 22	N/A						TRAFFIC ACCIDENT	ANTHONY FARMS TRUCKING, SCANDINAVIA
08/31/1984	COTTAGE CHEESE, OTHER	1000 #	STH 29- .5 M W CTH U	N/A						TRAFFIC ACCIDENT	CULTURED FOODS INC, ST PAUL, MN
09/28/1984	DIESEL FUEL	150 G	STH 29 & WEDGE RD	N/A						TRAFFIC ACCIDENT	HOFFMAN TRANSIT CO, GRESHAM
10/02/1984	WHEY	UNK	SAWYER & 5TH ST	SHAWANO						HOLE IN HOLDING TANK	NORTHLAND FOODS, SHAWANO
11/23/1984	FUEL OIL	250 G	HIGHLAND DR OFF RESORT RD	N/A						ACCIDENTAL SPILL/FUEL TANK	KEN MARKOWSKI, MILWAUKEE
11/28/1984	CAUSTIC ACID RINSE WATER	UNK	CORNER SAWYER & 5TH ST	SHAWANO						BROKEN PIPE	NORTHLAND FOODS, SHAWANO
02/26/1985	FUEL OIL	UNK	214 HAMLIN ST	SHAWANO						LEAKAGE-RUN OFF FROM BUILDING	SHAWANO EQUITY COOP, SHAWANO
02/27/1985	GASOLINE	20 G	RIBS SUPPER CLUB-CTH N	SHAWANO						GAS TANK LEAK	CLARICE VAN CUYK, SHAWANO
04/18/1985	GASOLINE	10 G	BALL PARK RD-.3 MI E MILL LANE	N/A		27				MOTOR VEHICLE ACCIDENT	YVONNE BRANDT, CAROLINE
08/23/1985	FUEL OIL & GAS	30 G	E GREEN BAY ST & WAUKECHON RD	SHAWANO						TRAFFIC ACCIDENT	BECCO INC, VIRGINIA, MN
08/27/1985	DIESEL FUEL	15-20 G	MAPLE RD- .2 MI S REDWOOD DR	N/A						TRAFFIC ACCIDENT	MICHAEL MAROZEK, PULASKI
12/07/1985	GAS	443 G	2 1/2 MILE E. OF BIRNAMWOOD C N	N/A						TRAFFIC ACCIDENT	TOM RILSER, WAUSAU
01/06/1986	GASOLINE	25 G	205 W. WARRINGTON ST.	CECIL						SPILL OVER FROM GAS TANK	SCOTTY MINI MART, CECIL
01/09/1986	DIESEL FUEL	25 G	HWY 29, 4 MILES EAST OF BONDUEL		26	17E		.00	NW NE	TRAFFIC ACCIDENT	SHOPKO STORES INC., GREEN BAY
01/12/1986	FUEL OIL	25 G	STH 29 & DEHN'S HILL					.00		TRAFFIC ACCIDENT	ANDE SYSTEMS INC., GREEN BAY
03/06/1986	WHEY	1000-10000 G	CORNER OF SAWYER & FIFTH ST.	SHAWANO				.00		HUMAN ERROR - LEFT WRONG VALVE OPEN	NORTHLAND FOODS, SHAWANO
04/01/1986	GASOLINE		HWY 45 & 29	WITTENBURG				.00		VEH. HIT GAS PUMP	SCHROIDER OIL CO., WITTENBURG
06/25/1986	GAS	100 G	LANDSTAD AND FRAZIER CORNER ROAD	UNKNOWN				.00		TRAFFIC ACCIDENT	AMERICAN RED CROSS
07/01/1986	PRIMARY EFFLUENT	1/2 G PER MIN	HWY. N & MN	SHAWANO						BREAK IN LINE TO TREATMENT PLANT	SHAWANO PAPER MILL, SHAWANO
07/04/1986	GASOLINE	UNKNOWN	120 W. GREEN BAY ST.	BONDUEL						UNKNOWN LEAK	DIAMOND FAMILY, BONDUEL
08/30/1986	DIESEL FUEL	10 G	ENTRANCE TO THORESON	UNKNOWN	27	16E	31		SW NW	RUPTURED FUEL TANK	GUNDRUM TRUCKING, WEST BEND
09/29/1986	DIESEL	75 G	STH 29 @ SHAWANO-BROWN COUNTY LINE	UNKNOWN						TRAFFIC ACCIDENT	UNKNOWN

APPENDIX B

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:

Tank ID # 58063-159

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. Tank still in active use
2. Inoperative or abandoned tank with product still in tank
3. Inoperative or abandoned tank with no known product in tank
4. Location for which tank has been removed
5. New tank to be installed (provide date): _____

A. IDENTIFICATION

1. Name of Installation <u>Dehn's Ice Cream, Inc.</u>			2. Name for Mailing if Different Than #1		
Street Address of Installation <u>RFD 2</u>			Mailing Address if Different Than #1		
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input checked="" type="checkbox"/> Town of: <u>HARTLAND</u>	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State <u>Wi.</u>	Zip Code <u>54107</u>	County <u>SHAWANO 58</u>	State	Zip Code	County
3. Name of Contact Person <u>FRANCIS OURADA</u>			4. Name of Owner if Different from #3		
Street Address <u>Dehn's Inc 412 W. WALNUT</u>			Street Address		
<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
<u>GREEN BAY</u>					
State <u>Wi.</u>	Zip Code <u>54303</u>	County <u>BROWN</u>	State	Zip Code	County
Telephone Number (include area code) <u>1-414-432-4451 Green Bay Wi.</u>			Telephone Number (include area code)		
5. Fire Department Name and ID # <u>Bondwell Fire Dept 2015 First St - APPROX - 1976</u>		6. Tank Age (date installed, if known; or years old) <u>260101</u>		7. If Tank Abandoned, Give Date (mo / day / yr)	
8. Tank Capacity (in gallons) <u>500 gal.</u>		9. Tank Manufacturer's Name, if known:			

B. TANK CONSTRUCTION:

1. Bare Steel
2. Cathodically Protected Steel
3. Coated Steel
4. Fiberglass
5. Other (specify): _____

C. TANK CONTENTS:

1. Diesel
2. Leaded Gasoline
3. Unleaded Gasoline
4. Fuel Oil
5. Gasohol
6. Other (specify): _____

D. 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): _____

Signature of Person Completing Form:

Date Completed:

Harvey Heck

15 Apr. 1986

117 Hotz Ct

APPENDIX C

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Marinan Property

PAGE 1 OF 3

DATE: 2/27/90

TIME: 4:30 pm

DIRECTION OF PHOTOGRAPH:

Northwest

WEATHER CONDITIONS:

Sunny, 30°F

PHOTOGRAPHED BY:

Jim Mertes

SAMPLE ID:
(If Applicable):

N/A



DESCRIPTION: The Marinan Property showing Dehn's Inc. in relation to Highway 29
(left side of photo). Hilltop Lane (Lodge Road) is in the foreground. Photograph
taken during Phase I Assessment.

DATE: 2/27/90

TIME: 4:30 pm

DIRECTION OF PHOTOGRAPH:

Northwest

WEATHER CONDITIONS:

Sunny, 30°F

PHOTOGRAPHED BY:

Jim Mertes

SAMPLE ID:
(If Applicable):

N/A



DESCRIPTION: The Marinan Property showing Dehn's Inc. and three car garage.
Note pump dispenser in middle of photo and fill pipe in front of three car garage.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Marinan Property

PAGE 3 OF 3

DATE: 5/23/90

TIME: 2:30 pm

DIRECTION OF PHOTOGRAPH:

West

WEATHER CONDITIONS:

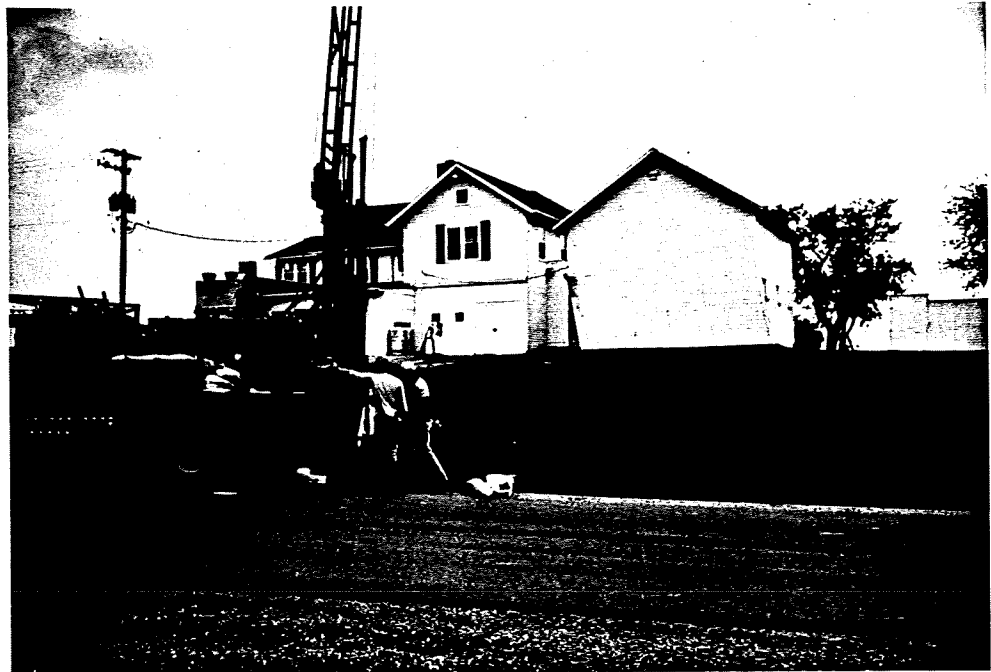
Overcast, 65⁰F

PHOTOGRAPHED BY:

Pete Pavalko

SAMPLE ID:
(If Applicable):

B-2



DESCRIPTION: Photograph is showing borehole B-2 being drilled. Note that it is down gradient from the tank and pump dispenser.

DATE: 5/23/90

TIME: 3:30 pm

DIRECTION OF PHOTOGRAPH:

North

WEATHER CONDITIONS:

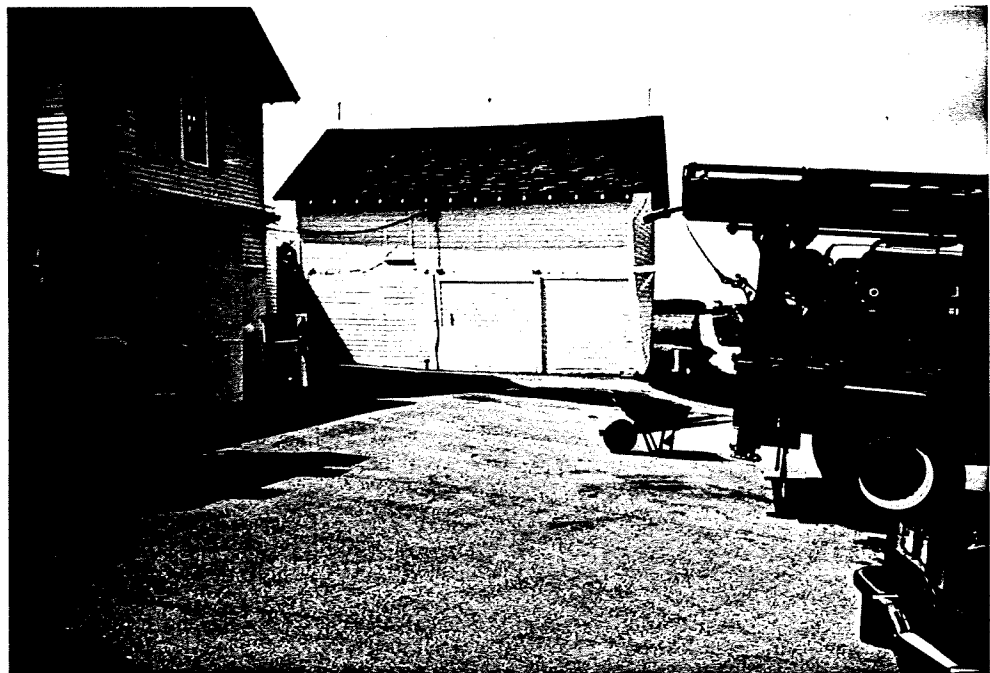
Sunny, 65⁰F

PHOTOGRAPHED BY:

Pete Pavalko

SAMPLE ID:
(If Applicable):

B-3



DESCRIPTION: The photograph is showing relationship of borehole B-3 to the pump dispenser and the underground storage tank.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Marinan Property

PAGE 2 OF 3

DATE: 2/27/90

TIME: 4:30 pm

DIRECTION OF PHOTOGRAPH:

North

WEATHER CONDITIONS:

Sunny, 30⁰F

PHOTOGRAPHED BY:

Jim Mertes

SAMPLE ID:
(If Applicable):

N/A



DESCRIPTION: Hilltop Lane (Lodge Road). The Marinan property is on the right side of the photograph.

DATE: 5/23/90

TIME: 2:30 pm

DIRECTION OF PHOTOGRAPH:

North

WEATHER CONDITIONS:

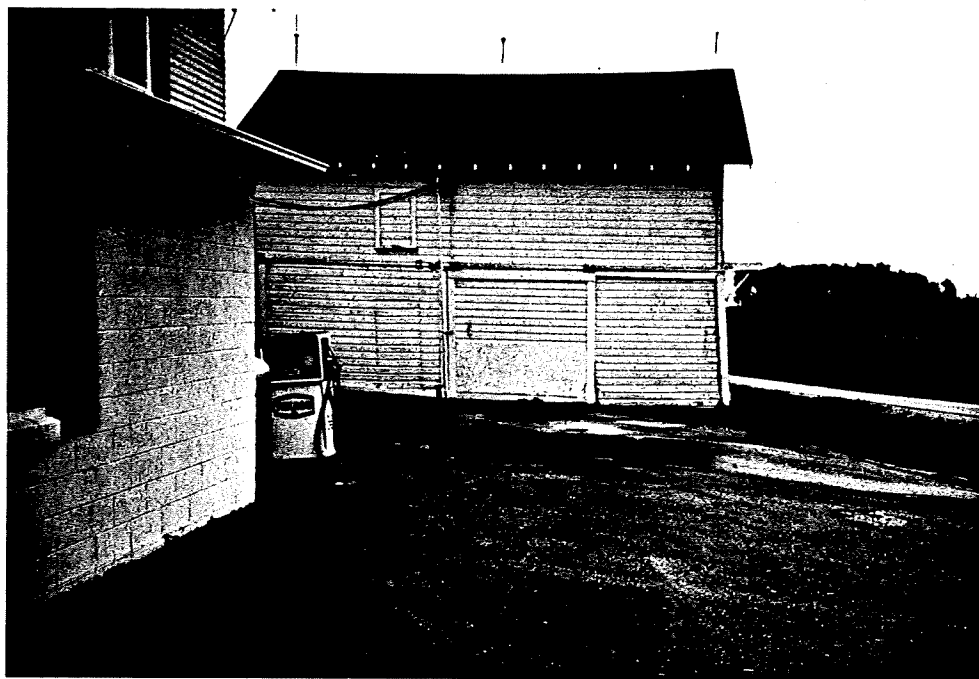
Overcast 65⁰F

PHOTOGRAPHED BY:

Pete Pavalko

SAMPLE ID:
(If Applicable):

B-1



DESCRIPTION: The Marinan Property showing the relationship of borehole B-1 to the pump dispenser and the underground storage tank - Note fill pipe.

APPENDIX D

AQUA-TECH, INC
 140 S. PARK ST.
 PORT WASHINGTON, WI 53074
 TELEPHONE:
 (414) 284-5746
 (414) 375-0407 (MILW METRO)

SOIL PROFILE LOG
 PROJECT: **MARINAM PROPERTY**
 LOCATION: **HWY 29 & HILL TOP RD**
 PROJECT#: **1059-15-01**
 ATI WO#: **91962**

BORING B-1 SURFACE ELEVATION _____

SAMPLES				DEPTH (FT)	DESCRIPTION AND REMARKS
NO.	(bpf) MOISTURE	REC	HNU LEVELS (PPM)		
				0.0	0.0' - 3.0' BLACKTOP 4 INCHES FILL/GRAVEL
B-1	MOIST 2 3 5 7		200		3.0' - 5.0' SILTY DK BRN CLAY W/BITS OF GRAVEL AND SAND (GAS ODOR PRESENT)
	MOIST 7, 11 11, 13		180	5.0	5.0' - 7.0' SANDY & SILTY LT BROWN FILL W/BITS OF SMALL GRAVEL (GAS ODOR PRESENT)
	MOIST 13, 17 18, 21		190		7.0' - 9.0' SANDY & SILTY LT BROWN FILL W/TRACE OF GRAVEL (GAS ODOR PRESENT)
			(CUTTINGS)	10.0	9.0' - 13.0' LT BROWN SAND W/SILT AND GRAVEL
	MOIST 13, 24 36, 42		2		13.0' - 15.0' LT BROWN SAND W/SOME SILTY CLAY
				15.0	15.0' - 20.0' LT BROWN SAND W/SILT AND GRAVEL
	MOIST		1		
				20.0	TERMINATED BORING AT 20.0' *NO GROUNDWATER OR BEDROCK ENCOUNTERED *SOIL SAMPLE B-1: 3.0' - 5.0'

WATER LEVEL OBSERVATIONS
 WHILE DRILLING -----
 DEPTH TO WATER -----
 DEPTH TO CAVE-IN -----

GENERAL INFORMATION
 START DATE 5/23/90 COMPLETION DATE 5/23/90
 DRILLING METHOD: HOLLOW STEM AUGERS; SPLIT SPOON SAMPLING
 LOGGER: *Peter Pawl*

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>B-1</u>	County <u>Shawano</u>	Original Well Owner (If Known) <u>N/A Mariner Property</u>	
(If applicable) <u>SE 1/4 of SE 1/4 of Sec. 15 ; T. 26 N; R. 17</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>N/A</u>	
Street or Route <u>N/A</u>		City, State, Zip Code <u>N/A</u>	
Grid Location <u>N/A</u> ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <u>N/A</u> ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Facility Well No. and/or Name (If Applicable) WI Unique Well No. <u>B-2</u> <u>N/A</u>	
Civil Town Name <u>Hortland</u>		Reason For Abandonment <u>Exploratory Soil Boring</u>	
Street Address of Well <u>RFD 2</u>		Date of Abandonment <u>5/23/90</u>	
City, Village <u>Bonduel</u>			

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>5/23/90</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Drillhole <u>Soil Profile Log</u> <input type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>20.0</u> Casing Diameter (ins.) _____ (From ground surface)</p> <p>Casing Depth (ft.) <u>N/A</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>N/A</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u></p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite</p>
---	--

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Bentonite Hole Plug</u>	<u>Surface</u>	<u>20.0</u>	<u>8 sacks</u>	

(8) Comments: ATT # ~~926~~ 91962

(9) Name of Person or Firm Doing Sealing Work

Pete Pavallo - Aqua-Tech
Signature of Person Doing Work Date Signed 6-26-90
Pete Pavallo
Street or Route Telephone Number
140 South Park St. (414) 284-5746
City, State, Zip Code
Port Washington, WI 53074

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

AQUA-TECH, INC

140 S. PARK ST.
 PORT WASHINGTON, WI 53074
 TELEPHONE:
 (414) 284-5746
 (414) 375-0407 (MILW METRO)

SOIL PROFILE LOG

PROJECT: **MARINAM PROPERTY**
 LOCATION: **HWY 29 & HILL TOP RD**
 PROJECT#: 1059-15-01
 ATI WO#: 91962

BORING B-2

SURFACE ELEVATION _____

SAMPLES

DESCRIPTION AND REMARKS

NO.	(bpf) MOISTURE	REC	HNU LEVELS (PPM)	DEPTH (FT)	DESCRIPTION AND REMARKS
				0.0	0.0' - 3.0' FILL/GRAVEL
	SLIGHTLY MOIST		(CUTTINGS)		3.0' - 5.0' SANDY BROWN SOIL SOME GRAVEL
	SL MOIST 6, 11 13, 19		0	5.0	5.0' - 7.0' BROWNISH RED SILTY CLAY W/GRAVEL
	MOIST		(CUTTINGS)		7.0' - 10.0' BROWNISH RED SAND W/LOAMY CLAY BECOMING SAND AND GRAVEL
	M - W 7, 15 15, 17		1.5	10.0	10.0' - 12.0' BROWN-RED CLAY BECOMING SAND & GRAVEL
B-2	MOIST 15, 19 24, 36		0	15.0	15.0' - 17.0' LT BROWN SAND & SILTY COMPACT CLAY
				17.0	TERMINATED BORING AT 17.0' *NO GROUNDWATER OR BEDROCK ENCOUNTERED *SAMPLE B-2: 15.0' - 17.0'
				20.0	

WATER LEVEL OBSERVATIONS

GENERAL INFORMATION

WHILE DRILLING -----
 DEPTH TO WATER -----
 DEPTH TO CAVE-IN -----

START DATE 5/23/90 COMPLETION DATE 5/23/90
 DRILLING METHOD: HOLLOW STEM AUGERS; SPLIT SPOON SAMPLING

LOGGER:

Peter E. Kovalik

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>B-2</u>	County <u>Shoups</u>	Original Well Owner (If Known) <u>Morison Property</u>	
(If applicable) <u>SE 1/4 of SE 1/4 of Sec. 15 ; T. 26 N; R. 17</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>N/A</u>	
Gov't Lot <u>N/A</u> Grid Number _____		Street or Route <u>N/A</u>	
Grid Location <u>N/A</u> ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <u>N/A</u> ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>N/A</u>	
Civil Town Name <u>Hartland</u>		Facility Well No. and/or Name (If Applicable) WI Unique Well No. <u>B-2</u> <u>N/A</u>	
Street Address of Well <u>RFD 2</u>		Reason For Abandonment <u>Exploratory Soil Boring</u>	
City, Village <u>Benduel</u>		Date of Abandonment <u>5/23/90</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>5/23/90</u>		(4) Depth to Water (Feet) <u>N/A</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>N/A</u>	
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>Soil Profile Log</u>		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <u>N/A</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
Total Well Depth (ft.) <u>17.0</u> Casing Diameter (ins.) _____ (From ground surface)		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
Casing Depth (ft.) <u>N/A</u>		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Bentonite Hole Plug</u>	<u>Surface</u>	<u>17.0</u>	<u>7 sacks</u>	

(8) Comments: ATI # 91962

(9) Name of Person or Firm Doing Sealing Work

Pete Pawalko - Aquat Tech.

Signature of Person Doing Work <u>Pete Pawalko</u>	Date Signed <u>6-26-90</u>
Street or Route <u>140 South Park St.</u>	Telephone Number <u>(414) 284-5746</u>
City, State, Zip Code <u>Port Washington, WI 53074</u>	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

AQUA-TECH, INC

140 S. PARK ST.
 PORT WASHINGTON, WI 53074
 TELEPHONE:

(414) 284-5746
 (414) 375-0407 (MILW METRO)

SOIL PROFILE LOG

PROJECT: **MARINAM PROPERTY**
 LOCATION: **HWY 29 & HILL TOP RD**
 PROJECT#: 1059-15-01
 ATI WO#: 91962

BORING B-3

SURFACE ELEVATION _____

SAMPLES

DESCRIPTION AND REMARKS

NO.	(bpf) MOISTURE	REC	HNU LEVELS (PPM)	DEPTH (FT)	DESCRIPTION AND REMARKS
				0.0	BLACK TOP 4 INCHES FILL: GRAVEL
	MOIST 1 1 2 3		1		3.0' - 5.0' RED-BROWN SANDY LOAMY CLAY
	MOIST 7, 9 10, 10		.5	5.0	5.0' - 7.0' RED-BROWN SAND & LOAMY CLAY W/SOME GRAVEL
					AUGERED TO 10.0'
B-3	MOIST 12, 11 10, 20		0	10.0	10.0' - 12.0' RED-BROWN SAND & CLAY BECOMING ALL SAND LAST 6 INCHES
				12.0	TERMINATED BORING AT 12.0'
				15.0	*NO BEDROCK OR GROUNDWATER ENCOUNTERED *SOIL SAMPLE B-3: 10.0' - 12.0'
				20.0	

WATER LEVEL OBSERVATIONS

WHILE DRILLING ----
 DEPTH TO WATER ----
 DEPTH TO CAVE-IN -----

GENERAL INFORMATION

START DATE 5/23/90 COMPLETION DATE 5/23/90
 DRILLING METHOD: HOLLOW STEM AUGERS; SPLIT SPOON SAMPLING
 LOGGER: *P. J. E. Swally*

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>B-3</u>	County <u>Shouano</u>	Original Well Owner (If Known) <u>Maximon Property</u>	
SE 1/4 of SE 1/4 of Sec. <u>15</u> ; T. <u>26</u> N; R. <u>17</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner <u>N/A</u>	
(If applicable) <u>N/A</u> Gov't Lot <u>N/A</u> Grid Number		Street or Route <u>N/A</u>	
Grid Location <u>N/A</u> ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <u>N/A</u> ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>N/A</u>	
Civil Town Name <u>Hortland</u>		Facility Well No. and/or Name (If Applicable) WI Unique Well No. <u>B-2</u> _____	
Street Address of Well <u>RFD 2</u>		Reason For Abandonment <u>Exploratory Soil Boring</u>	
City, Village <u>Borduel</u>		Date of Abandonment <u>5/23/90</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>N/A</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>5/23/90</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If No, Explain <u>N/A</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Drillhole <input type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>Soil Profile Log</u>	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <u>N/A</u> <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) <u>Gravity</u>	
Total Well Depth (ft.) <u>12.0'</u> Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) <u>N/A</u>	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite		
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Bentonite Hole Plug</u>	<u>Surface</u>	<u>12.0</u>	<u>5 sacks</u>	

(8) Comments: ATT # 91967

(9) Name of Person or Firm Doing Sealing Work
Pete Povalko - Aqua-Tech

Signature of Person Doing Work <u>Pete Povalko</u>	Date Signed <u>6-26-90</u>
Street or Route <u>140 South Park St</u>	Telephone Number <u>(414) 284-5748</u>
City, State, Zip Code <u>Port Washington, WI 53074</u>	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

APPENDIX E

CHAIN OF CUSTODY RECORD

PROJ. NO. 91962		PROJECT NAME Berkhahn Property				NO. OF CON- TAINERS	TPH Gases Total Solids						REMARKS
SAMPLERS: (Signature) Peter E. Pavalko													
LAB NO.	DATE	TIME	COMP	GRAB	STATION LOCATION								
WZ884A	5-23	12:00		X	B-1 3-5'	1	X	X					HNU = 200
WZ884B	5-23	2:15 PM		X	B-2 15-17'	1	X	X					HNU = <1
WZ884C	5-23	2:45 PM		X	B-3 10-12'	1	X	X					HNU = <1
Relinquished by: (Signature) Dana M. Hengues		Date / Time 5/24/90 8:45 PM		Received by: (Signature)		Date / Time		Report to:					
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		Name P. Pavalko, Aqua-Tech					
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature) Paul Skimel		Date / Time 5-30-90		Street 140 S. Park St.					
Remarks ATI 5-30-90								City Port Washington State WI Zip 53074					
								Phone no. ()					
								Remarks					

AQUA-TECH

GROCE LABORATORIES

ANALYTICAL LABORATORY REPORT

6-7-90

Sample #: WZ884 A-C
 Customer: Berkhahn Property
 Date Sampled: 5-28-90
 Date Received: 5-30-90
 Date Wanted: ~~6-13-90~~ ~~6-14-90~~ 6-6-90

Lab Director Approval: *[Signature]*
 ATJ Contact Names: _____

Sample Description

PARAMETER	2884 A	2884 B	2884 C	Tech ID	Date Analysis Completed
	8-1' 3'-5''	8-2' 5'-17''	8-3' 10'-12''		
total solids	90%	93%	89%	YRM	6-6-90
TPH - gasoline	350 µg/g	ND (1.0 µg/g) Duplicate ND (1.0 µg/g)	ND (1.0 µg/g) Spike 95%	YRM	6-6-90
ND = Not Detected Detection limit is in ()					