The following site is being submitted for inclusion into the GIS registry:

This is a:	New Submittal
BRRTS ID (no dashes):	**0305189651**
Comm # (no dashes):	54304550331
County:	Brown
Region:	Commerce
Site name:	Doeren Heating & Air Conditioning
Street Address:	2831 Allied St
City:	Green Bay
Closure Date	1/9/01
Closure Conditions:	met
Offsite contamination?	No
Right-of-way contamination?	No
Contaminated media:	Groundwater
GPS Coordinates (meters in the **WTM91** projection)	
Easting (X):	672612.40955
Northing (Y):	446347.59933
Submitted by:	Cheryl Nelson

Checklist

- ☒ Final Closure Letter
- ☒ Copy of recorded deed Instrument for any property with GW >NR140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, etc for properties with GW >NR140 ES
- ☒ Latest Map(s) showing extent or outline of current GW plume
- ☒ GW flow direction
- ☒ MW(s) and/or potable wells
- ☒ Latest Table of GW results

Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES
PECFA
2715 Post Road
Stevens Point, Wisconsin 54481

Tommy G. Thompson, Governor
Brenda J. Blanchard, Secretary

January 9, 2001

Ms. Denise Doeren
2831 Allied Street
Ashwaubenon WI 54304

RE: CASE CLOSURE **Approved**
COMMERCE #54304-5503-31
Doeren Heating & Air Conditioning, 2831 Allied Street, Green Bay, WI

Dear Ms. Doeren;

The Department is receipt of documentation that the conditions necessary for site closure detailed in the *CASE CLOSURE* ***CONDITIONAL UPON RECEIPT OF DOCUMENTATION*** letter dated September 11, 2000 have been met. The Department considers that no further action is necessary and has updated our database to reflect this closure.

Thank you for your efforts in restoring Wisconsin's environment. If you have any additional questions, please call the number listed below.

Sincerely,

Dee Zoellner

Dee Zoellner
Site Reviewer
Bureau of PECFA
Phone 715-342-3802

cc. Amy Haak – Alpha Terra

1780895

Document Number

NOTICE OF CONTAMINATION TO PROPERTY

BROWN COUNTY
REGISTER OF DEEDS
CATHY WILLIQUETTE

2000 NOV -8 A 9:50

Legal Description of the Property :
In Re: Lot Ninety-two (92), according to the recorded Plat of the Ashwaubenon Industrial Park Second Addition, Commercial Area, in the Village of Ashwaubenon (formerly Town of Ashwaubenon) West Side of Fox River, Brown County, Wisconsin

STATE OF WISCONSIN)
) ss
COUNTY OF BROWN)

Recording Area

Name & Return Address:
Mr. Douglas Doeren, Doeren Heating
2831 Allied Street
Ashwaubenon, WI 54304

VA-228-14-K-118
Parcel Identification Number (PIN)

Section 1. Mr. Douglas Doeren and Ms. Sharron G. Doeren are the owners of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above NR 140 enforcement standards and soils above NR 720 residual contaminant levels of the Wisconsin Administrative Code exists on this property.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Residual petroleum contaminated soil remains on this site. It has been shown that these levels are protective of human health and the environment. If this contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in

accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owners of this property have executed this document, this 3RD day of November, 2000.

Signature: [signature]

Printed Name: DOUGLAS J DOEREN

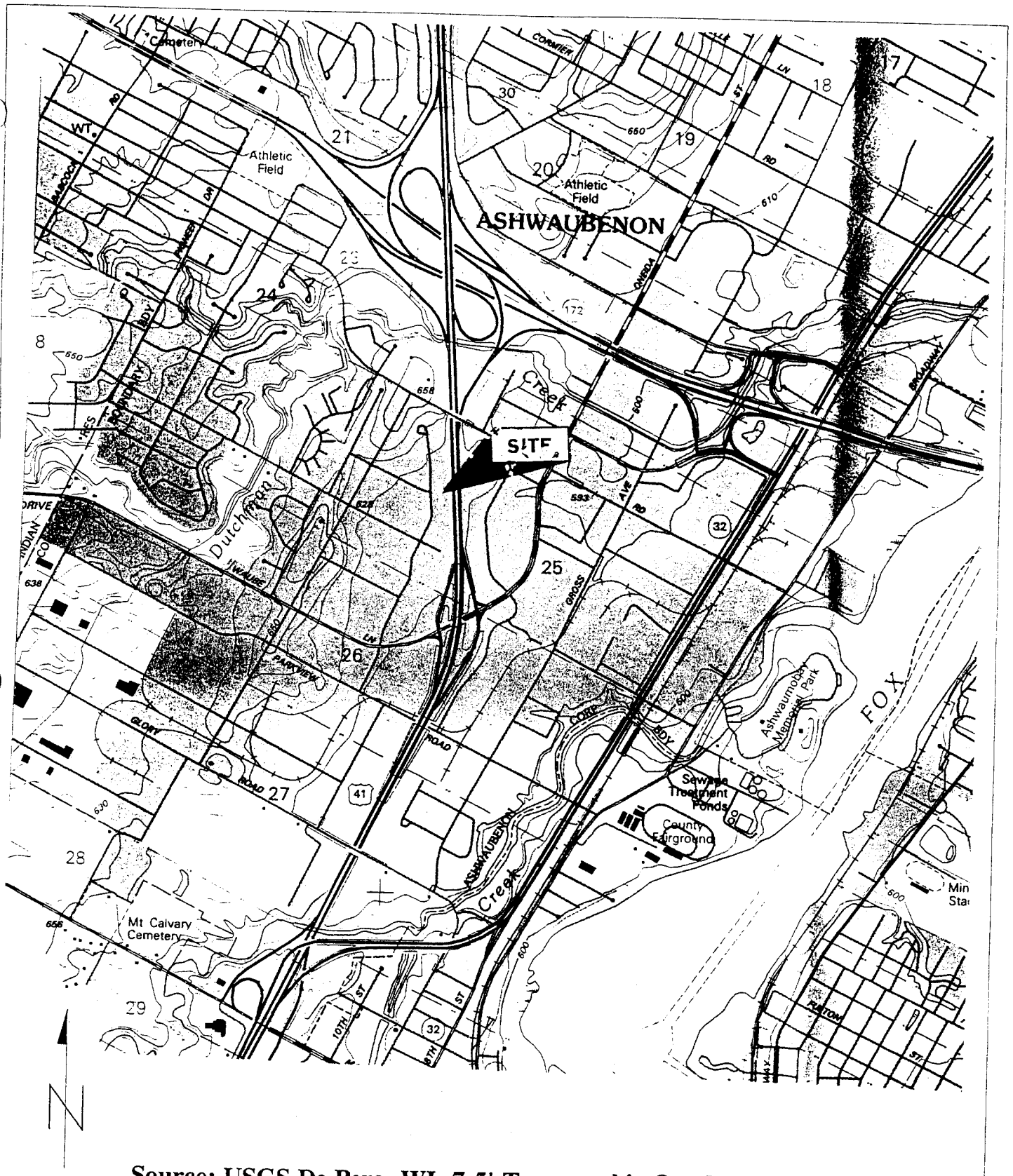
Signature: [signature]

Printed Name: SHARON L DOEREN

Subscribed and sworn to before me
this 3rd day of November, 2000.

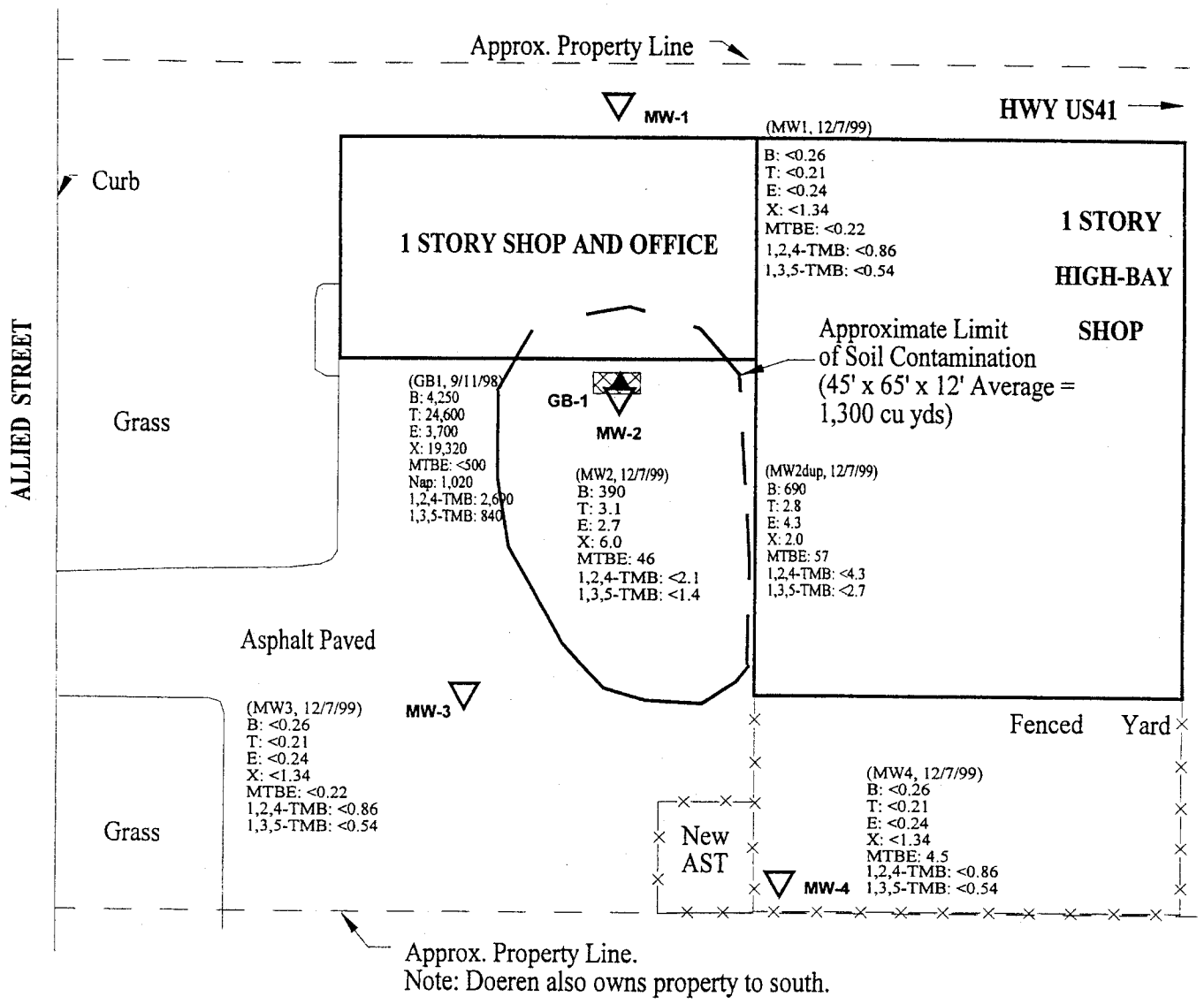
[signature] David J Loritz
Notary Public, State of Wisconsin
My commission expires 8-12-01

This document was drafted by the Wisconsin Department of Commerce.



Source: USGS De Pere, WI, 7.5' Topographic Quadrangle, 1992

Title: **SITE LOCATION**	ALPHA TERRA SCIENCE
Project: **SITE INVESTIGATION AT DOEREN HEATING & AIR CONDITIONING**	SCALE: Approx. 1" = 2000' / DWG NO: FIGURE 1
Client: **DOEREN HEATING & AIR CONDITIONING, INC.**	DRAWN BY: JPR / DATE: 9/22/98



LEGEND

Monitoring Well	MW-2
Completed Geoprobe Boring	GB-2
Former UST	

B:	Benzene
T:	Toluene
E:	Ethylbenzene
X:	Total Xylenes
MTBE:	Methyl-tert-Butyl-Ether
Nap:	Napthalene
1,2,4-TMB:	1,2,4-Trimethylbenzene
1,3,5-TMB:	1,3,5-Trimethylbenzene

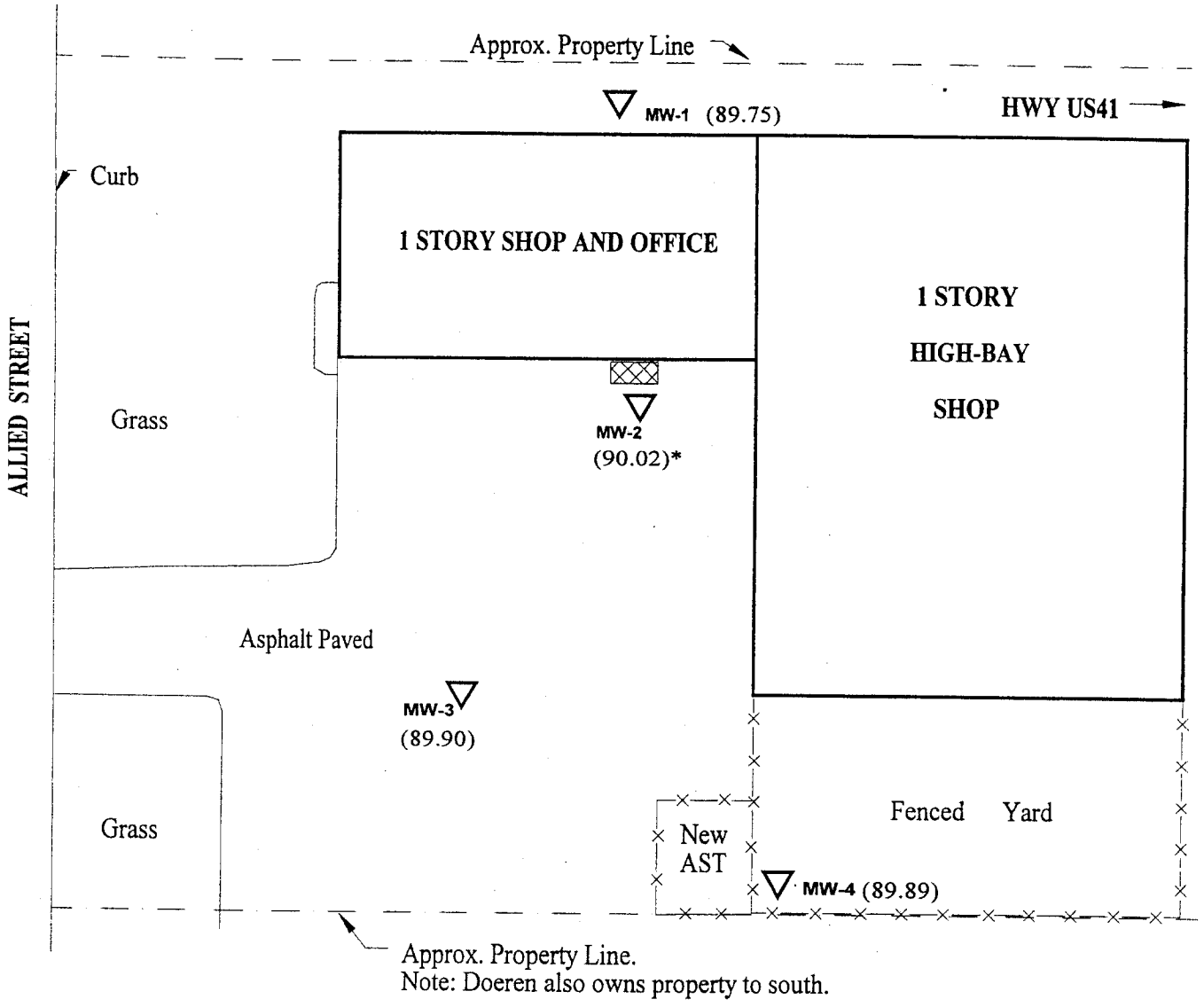
Title: GROUNDWATER CHEMISTRY

Project: DOEREN HEATING & AIR CONDITIONING

Client: DOEREN HEATING, ASHWAUBENON, WI

ALPHA TERRA SCIENCE

SCALE: 1" = 30'	FILE NO: FIGURE 4
DRAWN BY: SCS	DATE: 02/01/00



LEGEND

Monitoring Well — MW-2

Groundwater Elevation (90.6 ft)

* Level Expected to be Influenced by Tank Backfill

Former UST

Title: **GROUNDWATER ELEVATIONS : Dec 7, 1999**	ALPHA TERRA SCIENCE	
Project: **DOEREN HEATING & AIR CONDITIONING**	SCALE: 1" = 30'	FILE NO: FIGURE 5
Client: **DOEREN HEATING, ASHWAUBENON, WI**	DRAWN BY: SCS	DATE: 01/27/00

Table 2 - Laboratory Analysis of Groundwater Samples

Site Investigation / Remediation

Doeren Heating and Air Conditioning, Ashwaubenon,

	NR140 ES/PAL	Sample ID / Location	MW-3 Southwest	MW-3 Southwest	MW-4 Southeast	MW-4 Southeast	Trip Blank	Trip Blank
		Sampling Date	9/23/99	12/7/99	9/23/99	12/7/99	9/23/99	12/7/99
Parameter	(ug/l)	Units						
Natural Attenuation Parameters								
Alkalinity	NS	mr/l	300	320	570	520	NA	NA
Iron : Dissolved	300 / 150	ug/l	170	52	<17	<27	NA	NA
Manganese : Dissolved	**50** / 25	ug/l	**83**	**77**	**81**	**54**	NA	NA
Nitrate + Nitrite Nitrogen	10 / 2	mg/l	0.026	<0.037	0.049	0.16	NA	NA
Sulfate	**250** / 125	mg/l	89	83	110	100	NA	NA
Methane	NS	ug/l	70	75	15	24	NA	NA
Dissolved Oxygen (field)	NS	mg/l	0.72	NA	2.82	NA	NA	NA

Notes:

(1) NA = Not Analysed, NS = No Standard

(2) ES=Enforcement Standard, PAL=Preventive Action Li

(3) Results exceeding ES are marked in bold.

Table 2 - Laboratory Analysis of Groundwater Samples

Site Investigation / Remediation

Doeren Heating and Air Conditioning, Ashwaubenon, WI

	NR140 ES/PAL	Sample ID	MW-1	MW-1	GP1, WS	MW-2	MW-2Dup	MW-2	MW-2Dup
		Location	North of Building	North of Building	At UST	Near UST	Near UST	Near UST	Near UST
		Sampling Date	9/23/99	12/7/99	11-Sep-98	9/23/99	9/23/99	12/7/99	12/7/99
Parameter	(ug/l)	Units							
Natural Attenuation Parameters									
Alkalinity	NS	mr/l	460	510	NA	380	NA	490	490
Iron : Dissolved	300 / 150	ug/l	38	<27	NA	<17	NA	170	170
Manganese : Dissolved	**50** / 25	ug/l	**140**	46	NA	**130**	NA	**360**	**360**
Nitrate + Nitrite Nitrogen	10 / 2	mg/l	0.49	0.26	NA	0.19	NA	<0.037	<0.037
Sulfate	**250** / 125	mg/l	96	91	NA	**260**	NA	150	150
Methane	NS	ug/l	20	<10	NA	53	NA	58	45
Dissolved Oxygen (field)	NS	mg/l	6.73	NA	NA	1.55	NA	NA	NA

Notes:

(1) NA = Not Analysed, NS = No Standard

(2) ES=Enforcement Standard, PAL=Preventive Action Limit.

(3) Results exceeding ES are marked in bold.

Table 2 - Laboratory Analysis of Groundwater Samples

Site Investigation / Remediation

Doeren Heating and Air Conditioning, Ashwaubenon,

	NR140 ES/PAL	Sample ID / Location	MW-3 Southwest	MW-3 Southwest	MW-4 Southeast	MW-4 Southeast	Trip Blank	Trip Blank
		Sampling Date	9/23/99	12/7/99	9/23/99	12/7/99	9/23/99	12/7/99
Parameter	(ug/l)	Units						
Depth to Water		Ft Below Grade						
Total Depth		Ft Below Grade						
Lead : Dissolved	15 / 1.5	ug/l	<0.28	NA	<0.28	NA	NA	NA
Volatile Organic Compounds								
Benzene	**5.0** / 0.5	ug/l	<0.26	<0.26	<0.26	<0.26	<0.27	<0.26
n-Butylbenzene	NS	ug/l	NA	NA	NA	NA	<0.29	NA
Ethyl Benzene	**700** / 140	ug/l	<0.24	<0.24	<0.24	<0.24	<0.32	<0.24
Methyl-tert-Butyl Ether	60 / 12	ug/l	6.8	6.9	5.6	4.5	<0.32	<0.22
Isopropylbenzene	NS	ug/l	NA	NA	NA	NA	<0.26	NA
n-Propylbenzene	NS	ug/l	NA	NA	NA	NA	<0.76	NA
Napthalene	40/8	ug/l	NA	NA	NA	NA	<0.35	NA
Toluene	1,000 / 200	ug/l	<0.21	<0.21	<0.21	<0.21	<0.27	<0.21
1,2,4-Trimethylbenzene	**480** / 96	ug/l	<0.86	<0.86	<0.86	<0.86	<0.22	<0.86
1,3,5-Trimethylbenzene	**480** / 96	ug/l	<0.54	<0.54	<0.54	<0.54	<0.27	<0.54
Xylenes, total	**10000**/1000	ug/l	<1.34	<1.34	<1.34	<1.34	<0.67	<1.34
Total Detected VOCs	NS		6.8	6.9	5.6	4.5	0.0	0.0
Gasoline Range Organic	NS	ug/l	<50	<50	<50	<50	<50	<50

Notes:

(1) NA = Not Analysed, NS = No Standard

(2) ES=Enforcement Standard, PAL=Preventive Action Li

(3) Results exceeding ES are marked in bold.

Table 2 - Laboratory Analysis of Groundwater Samples

Site Investigation / Remediation

Doeren Heating and Air Conditioning, Ashwaubenon, WI

	NR140	Sample ID	MW-1	MW-1	GP1, WS	MW-2	MW-2Dup	MW-2	MW-2Dup
	ES/PAL	Location	North of Building	North of Building	At UST	Near UST	Near UST	Near UST	Near UST
		Sampling Date	9/23/99	12/7/99	11-Sep-98	9/23/99	9/23/99	12/7/99	12/7/99
Parameter	(ug/l)	Units							
Depth to Water		Ft Below Grade							
Total Depth		Ft Below Grade							
Lead : Dissolved	15 / 1.5	ug/l	<2.8	NA	NA	<2.8	NA	NA	NA
Volatile Organic Compounds									
Benzene	**5.0** / 0.5	ug/l	<0.25	<0.26	**4,250**	**190**	**120**	**390**	**690**
n-Butylbenzene	NS	ug/l	NA	NA	648	0.86	NA	NA	NA
Ethyl Benzene	**700** / 140	ug/l	<0.24	<0.24	**3,700**	25	8.6	2.7	4.3
Methyl-tert-Butyl Ether	60 / 12	ug/l	<0.22	<0.22	<500	6.3	4.5	46	57
Isopropylbenzene	NS	ug/l	NA	NA	<500	0.98	NA	NA	NA
n-Propylbenzene	NS	ug/l	NA	NA	599	2.2	NA	NA	NA
Napthalene	40/8	ug/l	NA	NA	**1,020**	0.84	NA	NA	NA
Toluene	1,000 / 200	ug/l	<0.21	<0.21	**24,600**	240	110	3.1	2.8
1,2,4-Trimethylbenzene	**480** / 96	ug/l	<0.86	<0.86	**2,690**	8.3	2.8	<2.1	<4.3
1,3,5-Trimethylbenzene	**480** / 96	ug/l	<0.54	<0.54	**840**	11	6.1	<1.4	<2.7
Xylenes, total	**10000**/1000	ug/l	<1.34	<1.34	**19,320**	144	81	6.0	2.0
Total Detected VOCs	NS		0	0	57,667	629	333	448	756
Gasoline Range Organic	NS	ug/l	<50	<50	70,000	NA	1300	750	1200

Notes:

(1) NA = Not Analysed, NS = No Standard

(2) ES=Enforcement Standard, PAL=Preventive Action Limit.

(3) Results exceeding ES are marked in bold.

TABLE 3 : SURVEY DATA : April 3, 2000

Doeren Heating & Air Conditioning, Ashwaubenon, WI

OBJECT	LOCATION	Instrument Reading (feet)	Datum Elevation (Ft MSL)	Eyepiece Elevation (ft MSL)	Object Elevation (ft MSL)	Well PVC Stickup feet	Well Total Depth Feet brl	Water Level Data 4/3/00 Reading Below PVC	Reading Below Grade	Elevation Ft msl
STATION ONE : In Front of office entrance										
Hydrant SE Corner of Foth & VanDyke Property	Top Nut	1.34	100.00	101.34	100.00					
Hydrant	Ground	4.00		101.34	97.34	2.66				
MW2	Ground	4.73		101.34	96.61	-0.47				
	PVC Lip	5.20		101.34	96.14		13.51	4.96	5.43	91.18
MW3	Ground	5.62		101.34	95.72	-0.42				
	PVC Lip	6.04		101.34	95.30		13.65	4.29	4.71	91.01
Sewer Grate	Ground	5.92		101.34	95.42					
	Bottom	8.77		101.34	92.57					
STATION TWO : In front of garage bay door										
MW3	Ground	5.17	95.72	100.89	95.72					
	PVC Lip	5.55		100.89	95.34	-0.38				
MW4	Ground	5.10		100.89	95.79	-0.47				
	PVC Lip	5.57		100.89	95.32		13.71	4.18	4.65	91.14

TABLE 3 : SURVEY DATA : September 23, 1999

Doeren Heating & Air Conditioning, Ashwaubenon, WI

OBJECT	LOCATION	Instrument Reading (feet)	Datum Elevation (Ft MSL)	Eyepiece Elevation (ft MSL)	Object Elevation (ft MSL)	Well PVC Stickup feet	Well Total Depth Feet brl	Water Level Data 9/23/99 Reading Below PVC	Water Level Data 9/23/99 Reading Below Grade	Water Level Data 9/23/99 Elevation Ft msl	Water Level Data 12/7/99 Reading Below PVC	Water Level Data 12/7/99 Reading Below Grade	Water Level Data 12/7/99 Elevation Ft msl
STATION ONE : In Front of office entrance													
Hydrant SE Corner of Foth & VanDyke Property	Top Nut	1.17	100.00	101.17	100.00								
Hydrant	Ground	3.92		101.17	97.25	2.75							
MW2	Ground	4.54		101.17	96.63	-0.47							
	PVC Lip	5.01		101.17	96.16		13.51	9.85	10.32	86.31	6.14	6.61	90.02
MW3	Ground	5.46		101.17	95.71	-0.49							
	PVC Lip	5.95		101.17	95.22		13.65	5.83	6.32	89.39	5.32	5.81	89.90
STATION TWO : In front of garage bay door													
MW3	Ground	5.11	95.71	100.82	95.71	-0.49							
	PVC Lip	5.60		100.82	95.22								
MW4	Ground	5.05		100.82	95.77	-0.47							
	PVC Lip	5.52		100.82	95.30		13.71	6.11	6.58	89.19	5.41	5.88	89.89
STATION THREE : Northwest corner of site													
Hydrant SE Corner of Foth & VanDyke Property	Top Nut	1.70	100.00	101.70	100.00								
Hydrant	Ground	4.44		101.70	97.26	2.74							
MW1	Ground	5.05		101.70	96.65	-0.29							
	PVC Lip	5.34		101.70	96.36		13.70	9.12	9.41	87.24	6.61	6.90	89.75