GIS REGISTRY INFORMATION

SITE NAME: Former Kathy's Pine Lake Store / Captain Hook's

BRRTS #: 03-21-000662 **FID # (if appropriate):**

COMMERCE # (if appropriate): 54511-9628-86

CLOSURE DATE:

STREET ADDRESS: 9048 Hwy 32

CITY: Hiles

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 599832 Y= 581268

CONTAMINATED MEDIA: Groundwater ☐ Soil ☐ Both ☒

OFF-SOURCE GW CONTAMINATION >ES: ☒ Yes ☐ No

IF YES, STREET ADDRESS 1: 9049 Hwy 32

GPS COORDINATES (meters in WTM91 projection): X= 599795 Y= 581265

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): ☐ Yes ☒ No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: ☒ Yes ☐ No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter issued ☒
- Copy of most recent deed, including legal description, for all affected properties ☒
- Certified survey map or relevant portion of the recorded plat map *(if referenced in the legal description)* for all affected properties ☐ N/A
- County Parcel ID number, *if used for county*, for all affected properties ☒ on deed copies
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site. ☒
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs. ☒
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching) ☒
- Tables of Latest Soil Analytical Results (no shading or cross-hatching) ☒
- Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map. ☒
- GW: Table of water level elevations, with sampling dates, and free product noted if present ☒
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees) ☒
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour ☒
- Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy) ☒
- RP certified statement that legal descriptions are complete and accurate ☒
- Copies of off-source notification letters (if applicable) ☒
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW) ☒
- Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure* ☐ N/A

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdzialski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

February 9, 2005

Mr. Ken Kluss
S79 W30989 Romeo Ct
Mukwonago, WI 53149

SUBJECT: Final Case Closure By Closure Committee
Former Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI
WDNR BRRTS # 03-21-000662
PECFA # 54511-9628-86

Dear Mr. Kluss:

On December 16, 2004, your site as described above was reviewed for closure by the Northern Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On January 7, 2005, you were notified that the Closure Committee had granted conditional closure to this case.

On February 1, 2005, the Department received correspondence indicating that you have complied with the conditions of closure, specifically, documentation of the abandonment of the monitoring wells. Based on the correspondence and data provided, it appears your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm

If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at the web address listed above.

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare, or the environment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Remediation & Redevelopment Program

cc: File
Charles Weister, Rhinelander

Brenda Halminiak
Sand Creek Consultants, Inc
PO Box 1512
Rhinelander, WI 54501

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
John Gozdzialski, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-3349
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

January 7, 2005

Mr. Ken Kluss
S79 W30989 Romeo Ct
Mukwonago, WI 53149

Subject: Conditional Case Closure
Former Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, Wisconsin
WDNR BRRTS # 03-21-000662
PECFA #54511-9628-86

Dear Mr. Kluss:

On December 16, 2004, your request for closure of the case described above was reviewed by the Northern Region Closure Committee. The Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the gasoline and diesel fuel contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department of Natural Resources.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm.

Section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-365-8990.

Sincerely,
NORTHERN REGION

Janet Kazda

Janet Kazda
Remediation and Redevelopment Program

c: File
Chuck Weister, Rhinelander

Brenda Halminiak
Sand Creek Consultants
PO Box 1512
Rhinelander, WI 54501

ATTACHMENT B

Required Site Information and GIS Registry Information

1) Copy of most recent deed–attached

2) Copy of certified survey map–N/A

3) Parcel ID number– Fmr. Kathy's Pine Lake Store: 16.103712.014.002.00.00
O'Keefe property: 16.103712.009.004.01.00

Geographic position data--*WTM Coord. for Fmr. Kathy's Pine Lake Store:* 599829, 581272
WTM Coordinates for O'Keefe property: 599795, 581265
Coordinates were obtained from the WDNR's GIS website interactive map on an aerial photo at a scale of 1:3839.

4) Site location map–attached

5) Map of contaminated properties within the site boundary–attached

6) Tables

Table 2	Pre-Remedial Soil Laboratory Results
Table 3	Monitoring Well Groundwater Laboratory Results
Table 4	Excavation Sidewall Soil Data

7) Map showing post-remedial extent of non-compliance groundwater–attached

8) Table 1 showing survey data and water level measurements–attached

9) Groundwater flow direction map–attached

10) Map showing post-remedial non-compliance soil, extent of remedial excavation, and all soil sample locations–attached

11) Pre-remedial geologic cross-section–attached

12) Statement signed by the RP regarding the legal descriptions of the contaminated properties–attached

13) Copy of letters sent by RP to all owners of properties with groundwater exceeding ES–attached

14) Copy of all written notifications provided to city/village/municipal/state agencies regarding contamination within the right-of-way–attached

GRANTOR-DOCUMENT NO.
GRANTEE
TRACT-INDEX
SALES CARD

121671

Volume 139, page 13

WARRANTY DEED
STATE OF WISCONSIN—FORM 9
THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE
Forest County, Wis.
Received for record this 14th day of June A.D., 19 82 at 8:30 o'clock A M. and recorded in Vol. 139 of RECORDS on page 13
EUGENE STATEZNY
REGISTER OF DEEDS
Sharon Mueller Deputy
RETURN TO

THIS INDENTURE, Made by Ronald W. Holford and Beverly J. Holford, his wife, who conveys her separate interest

grantor S of Forest County, Wisconsin, hereby conveys and warrants to Kenneth L. Kluss, a married man

grantee of Forest County, Wisconsin, for the sum of One Dollar and other valuable consideration

the following tract of land in Forest County, State of Wisconsin:

A parcel of land being part of the NW 1/4 SE 1/4, Sec. 10-37-12 and being more particularly described as follows:

Commencing at a point on the east-west 1/4 line 46.7 feet east of the center line of S.T.H. 32; thence S27°30'E 503.5 feet to the point of beginning; thence continue S27°30'E 368.15 feet; thence N70°30'E 198.79 feet; thence N21°54'W 181.23 feet to Pine Creek; thence on a meander line along said Pine Creek N72° 23'W 304.06 feet to the point of beginning.

Rlt ~~Grantors (Edwin Pfeiffer and Nina Pfeiffer) shall have the right~~ to remove from said premises ~~the home, garage and snowmobile shed of the parties~~.

Reservations of mineral rights as may have been contained in former conveyances through which grantors and their predecessors in title may have obtained title.

Parcel ID# 16.103712.014.002.00.00

TRANSFER FEE $73.50

IN WITNESS WHEREOF, the said grantor S have hereunto set their hand S and seal S this 1st day of June, A. D., 19 82

SIGNED AND SEALED IN PRESENCE OF

Ronald W. Holford (SEAL)
Ronald W. Holford
Beverly J. Holford (SEAL)
Beverly J. Holford
(SEAL)
(SEAL)

STATE OF WISCONSIN,
Forest County. } ss.

Personally came before me, this 1st day of June, A. D., 19 82. the above named Ronald W. Holford and Beverly J. Holford

to me known to be the person S who executed the foregoing instrument and acknowledged the same.

Lee R. Krueger
Lee R. Krueger

KRUEGER & KRUEGER ONEIDA CO. NOTARY SEAL

This instrument drafted by
KRUEGER & KRUEGER ATTORNEYS
Rhinelander WI 54501
per description furnished

Notary Public Forest County, Wis.
My Commission Expires (Is) permanent

(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary).

WARRANTY DEED—STATE OF WISCONSIN, FORM NO. 9

R. C. BOLLES CO., ONEIDA

7 3

DOCUMENT NO.

150614

WARRANTY DEED
STATE OF WISCONSIN—FORM 9

Volume 186 . Page 387

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE
Forest County, WI
Received for record this 22nd day of June A.D., 1994 at 2:50 o'clock P M. and recorded in Vol. 186 of records on page 387.
Paul Aschenbrenner
REGISTER

RETURN TO Mr. Timothy K. O'Keefe
1564 Bruce Lane
Green Bay, Wisconsin 54313 6/22/94

THIS INDENTURE, Made by Daniel E. Fenwick

grantor of Waukesha County, Wisconsin, hereby conveys and warrants to Timothy K. O'Keefe and Cheryl L. O'Keefe, his wife,

grantees of Brown County, Wisconsin for the sum of One dollar and other good and valuable considerations

the following tract of land in Forest County, Wisconsin:

That part of the Northeast quarter of the Southwest quarter (NE 1/4 of SW 1/4) and of the Northwest quarter of the Southeast quarter (NW 1/4 of SE 1/4) of Section Ten (10) in Township Thirty-seven (37) North, of Range Twelve (12) East, bounded and described as follows:

Beginning at a point where State Highway #32 and the East bank of Pine Creek intersect, on the West Line of said State Highway #32 running thence Southwesterly, along the West Line of said State Highway #32 a distance of Four Hundred Twenty-five (425) feet to an iron stake; thence running in a Southwesterly direction so as to intersect the North and South quarter line of said Section Ten (10) at a point Five Hundred Sixty (560) feet from the South line of said above described 40 acre tracts of land, and continuing on the same course in a Southwesterly direction to the East bank of Pine Creek; thence running in a Northeasterly direction along the East bank of said Pine Creek to the place of beginning for describing the parcel of land hereby inteded to be conveyed.

Parcel ID # 16.103712.009.004.01.00

Grantor ✓
Grantee ✓
Tract Index ✓
Sales Card ✓

TRANSFER FEE $ 11.40

In Witness Whereof, the said grantor has hereunto set his hand and seal this 18th day of June, A. D., 1994.

SIGNED AND SEALED IN PRESENCE OF

Daniel E. Fenwick (SEAL)
Daniel E. Fenwick (SEAL)
(SEAL)
(SEAL)

State of Wisconsin, Waukesha County. } Personally came before me, this 18th day of June, A. D., 1994, the above named Daniel E. Fenwick

to me known to be the person who executed the foregoing instrument and acknowledged the same.

Marlon J. Meske

THIS INSTRUMENT WAS DRAFTED BY

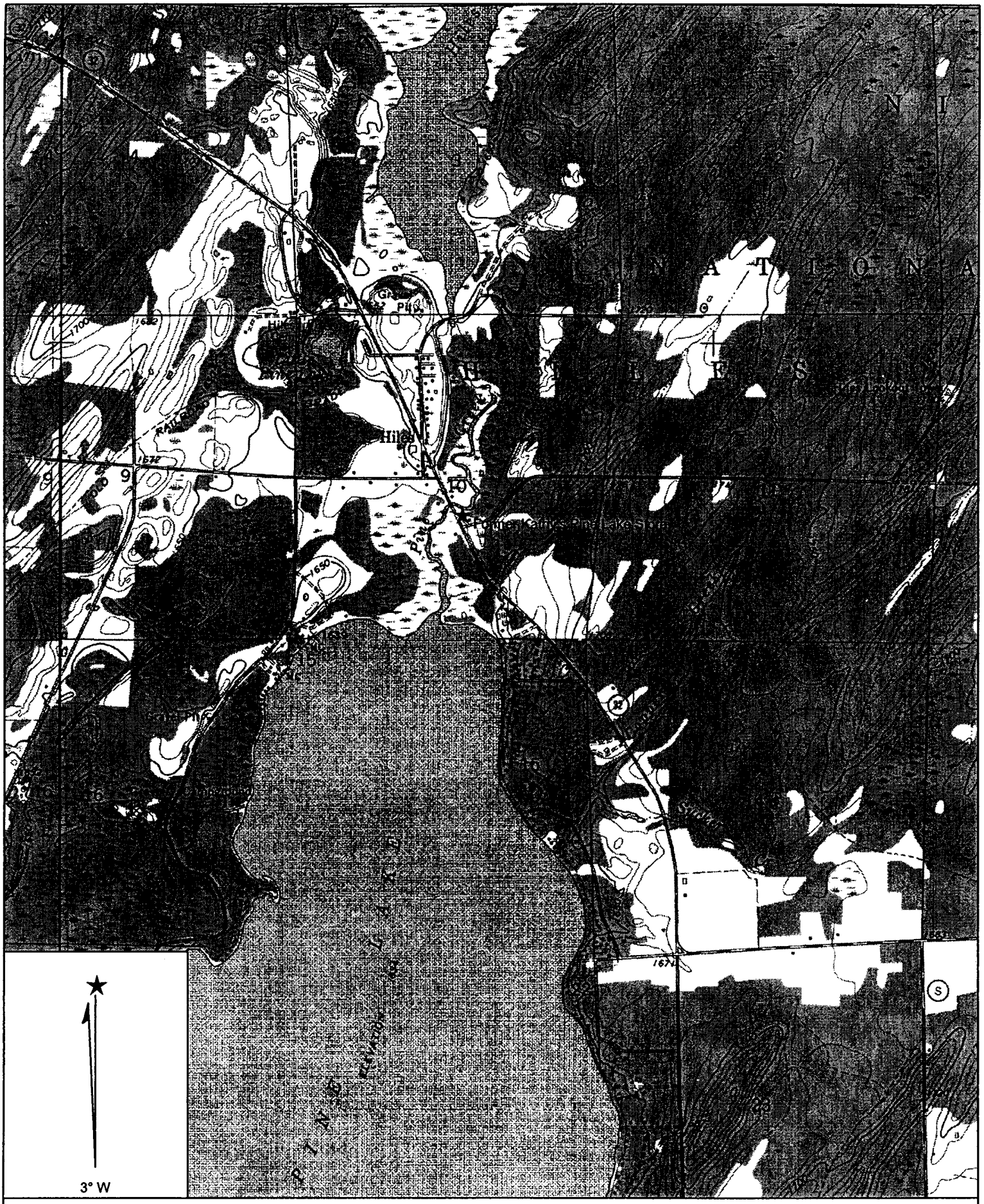
DEL MESKE REALTY

NOTARY SEAL

Notary Public, Waukesha County, Wis.

My commission (expires) (is) 5-28-95

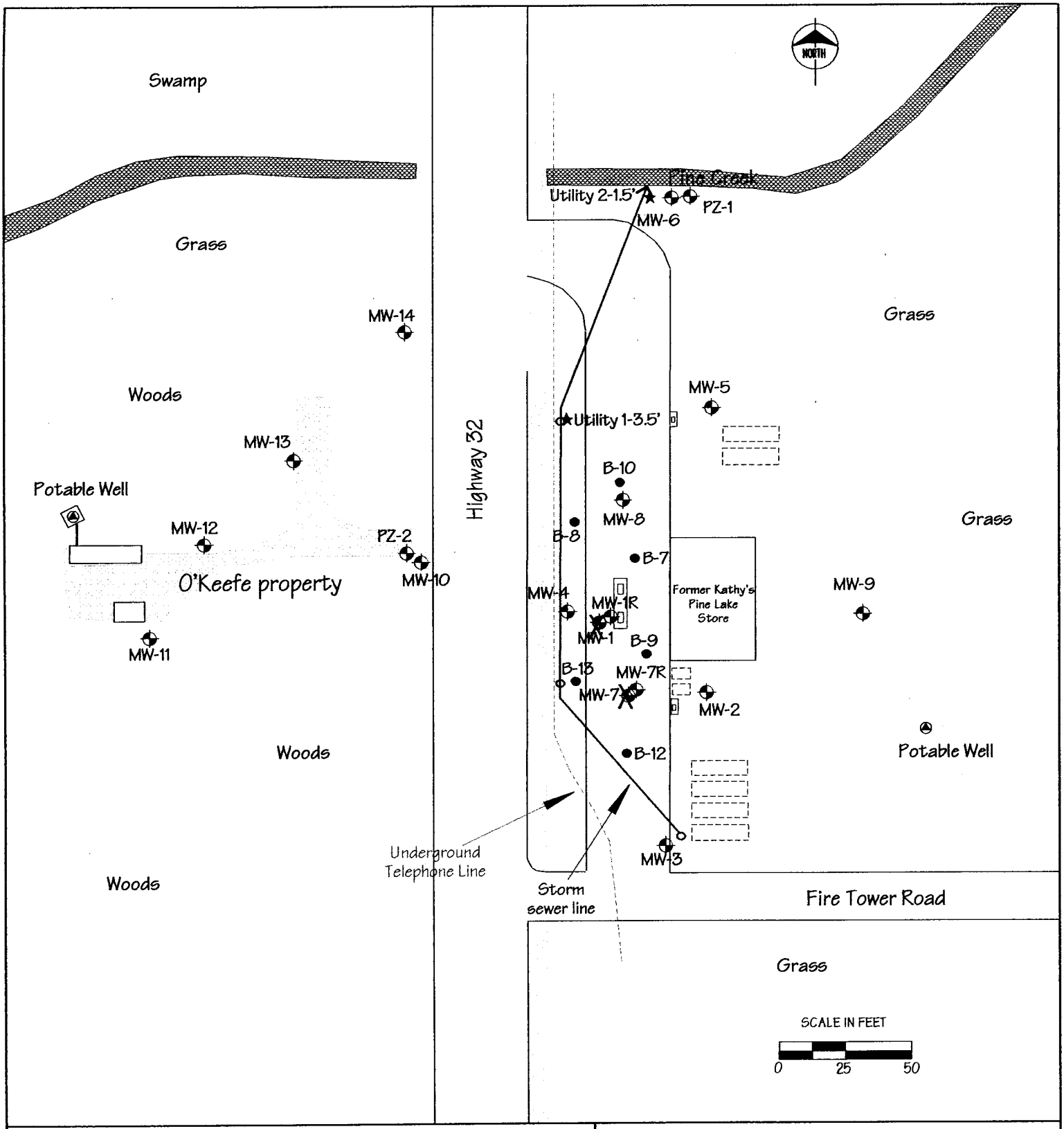
(Section 59.51 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary. Section 59.513 similarly requires that the name of the person who, or governmental agency which, drafted such instrument, shall be printed, typewritten, stamped or written thereon in a legible manner.)



Name: ARGONNE
Date: 1/22/2003
Scale: 1 inch equals 2000 feet

Location: 045° 41' 48.3" N 088° 58' 21.0" W
Caption: Figure 1: Site Location of Former Kathy's Pine Lake Store, Hiles, WI.

Copyright (C) 1997 Maptech, Inc.



Legend

MW-13 Monitoring Well	Former Pump Island
B-10 Soil Boring	Former Underground Storage Tank
Potable Well	Utility 2-1.5' Utility Corridor Soil Sample Location

Former Kathy's Pine Lake Store, Hiles, WI

SAND CREEK ANTS

Environmental & Geological Scientists
Rhinelander, Wisconsin

Figure 2: Site Layout Showing Monitoring Well and Soil Boring Locations

Drawn by JFG
Date 8/99

Edited by BSH
Date 11/02

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-1/MW-1R**
	(replaced following the remedial excavation)
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	36600	17000	19000	2100	2000	4300	760	1,200	4,200	None	None
DRO	na	9,310	na	na	na	na	na	na	na	na	None	None
Lead	ND	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	**115**	**377**	**170**	**210**	**180**	**110**	**130**	**16**	**11**	**11**	0.5	5
Toluene	*602*	**6,280**	**3,200**	**1,600**	*390*	100	55	42	15	45	200	1,000
Ethylbenzene	*553*	**2,160**	**920**	**850**	79	85	*210*	36	49	93	140	700
Total Xylenes (calculated)	*4,750*	**14,870**	*9,800*	*6,400*	560	560	*1360*	213	370	*1,550*	1,000	10,000
M/P Xylene	3,110	9,970	6,800	4,400	380	390	1000	140	200	1,000	None	None
Styrene / O-xylene	**1,640**	**4,900**	**3,000**	**2,000**	**180**	**170**	**360**	*73*	**170**	**550**	10	100
MTBE	<100	<50	*18*	ND	ND	ND	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	497	2,140	1,100	1,600	140	190	590	86	190	540	None	None
1,3,5 Trimethylbenzene	127	554	300	500	42	58	180	32	57	170	None	None
Total Trimethylbenzenes	**624**	**2,694**	**1,400**	**2,100**	*182*	*248*	**770**	*118*	*247*	**710**	96	480
Naphthalene	<100	na	na	na	na	na	na	na	na	na	8	40
PAHs											None	None
1-Methylnaphthalene	58.8	na	na	na	na	na	na	na	na	na	None	None
2-Methylnaphthalene	21.4	na	na	na	na	na	na	na	na	na	None	None
Naphthalene	**130**	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-2
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
DRO	ND	ND	na	na	na	na	na	na	na	na	None	None
Benzene	ND	ND	ND	ND	ND	*0.52*	ND	ND	ND	na	0.5	5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)	ND	ND	ND	0.7	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene	ND	ND	ND	0.7	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-3**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
DRO	706	na	na	na	na	na	na	na	na	na	None	None
Lead	ND	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene	54	ND	ND	ND	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40
PAHs											None	None
Naphthalene	0.064	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-4**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	1220	3200	3400	4,900	6,100	9,000	2,000	120	2,200	None	None
DRO	886	736	na	na	na	na	na	na	na	na	None	None
Benzene	**36.1**	**92.2**	**380**	**200**	**600**	**400**	**760**	**94**	**8.1**	**89**	0.5	5
Toluene	19.4	5.34	38	36	90	150	33	110	0.93	11	200	1,000
Ethylbenzene	*270*	29.1	*250*	130	*260*	*300*	*540*	110	6.9	130	140	700
Total Xylenes (calculated)	*1842*	*577*	*1620*	*1560*	*1,770*	*2,370*	*3,800*	800	86	810	1,000	10,000
M/P Xylene	1130	318	1000	1000	1,200	1,600	2,600	510	47	540	None	None
Styrene / O-xylene	**712**	**259**	**620**	**560**	**570**	**770**	**1,200**	**290**	*39*	**270**	10	100
MTBE	ND	ND	5	ND	*32*	ND	ND	ND	ND	5	12	60
1,2,4 Trimethylbenzene	194	73.5	170	200	390	540	900	210	17	200	None	None
1,3,5 Trimethylbenzene	45.7	19	42	60	110	170	250	66	3.4	58	None	None
Total Trimethylbenzenes	*239.7*	92.5	*212*	*260*	**500**	**710**	**1,150**	*276*	20.4	*258*	96	480
Naphthalene	**58.9**	na	na	na	na	na	na	na	na	na	8	40
n-Propylbenzene	22.7	na	na	na	na	na	na	na	na	na	None	None
n-Butylbenzene	22.8	na	na	na	na	na	na	na	na	na	None	None

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-5**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	70.9	510	ND	17	ND	21	16	ND	na	None	None
DRO	5710	1170	na	na	na	na	na	na	na	na	None	None
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene	31.8	ND	ND	ND	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	ND	1.91	0.8	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)	5.39	4.71	ND	0.8	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene	5.39	2.37	ND	0.8	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene	ND	2.34	ND	ND	ND	ND	ND	ND	ND	na	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene	ND	3.9	1.9	ND	0.49	0.74	ND	1.3	ND	na	None	None
1,3,5 Trimethylbenzene	ND	ND	41	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	3.9	42.9	ND	0.49	0.74	ND	1.3	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40
n-Propylbenzene	5.32	na	na	na	na	na	na	na	na	na	None	None

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-6**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
DRO	184	151	na	na	na	na	na	na	na	na	None	None
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	1,000	10,000
m & p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	10	100
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40
1,1-Dichloroethane	*1.78*	na	na	na	na	na	na	na	na	na	0.5	5

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-7/MW-7R
	(replaced following the remedial excavation)
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	19,300	12,000	18,000	2,700	5,700	5,000	6,300	6,300	5,400	None	None
DRO	4,350	8,110	na	na	na	na	na	na	na	na	None	None
Benzene	**282**	**396**	**380**	**400**	**27**	**32**	**27**	*2.7*	<20	**27**	0.5	5
Toluene	**1,550**	**2,050**	**1,700**	**1,800**	130	96	43	96	30	24	200	1,000
Ethylbenzene	*631*	*697*	*480*	*600*	26	66	66	95	50	65	140	700
Total Xylenes (calculated)	*4,900*	*5,880*	*4,500*	*5,300*	400	*1,000*	890	*1,280*	700	620	1,000	10,000
M/P Xylene	3,400	4,160	3,300	3,700	250	620	530	850	480	440	None	None
Styrene / O-xylene	**1,500**	**1,720**	**1,200**	**1,600**	**150**	**380**	**260**	**430**	**220**	**180**	10	100
MTBE	<100	<50	*12*	ND	ND	ND	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	2,130	1,970	980	1,600	370	910	710	1,100	1,100	780	None	None
1,3,5 Trimethylbenzene	563	610	300	500	160	460	330	500	570	370	None	None
Total Trimethylbenzenes	**2,693**	**2,580**	**1,280**	**2,100**	**530**	**1,370**	**1,040**	**1,600**	**1,670**	**1,150**	96	480
Naphthalene	**264**	na	na	na	na	na	na	na	na	na	8	40
n-Butylbenzene	158	na	na	na	na	na	na	na	na	na	None	None
n-Propylbenzene	254	na	na	na	na	na	na	na	na	na	None	None

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-8**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	1,500	2,000	3,000	2,000	1,100	2,800	2,000	770	1,000	None	None
DRO	146	387	na	na	na	na	na	na	na	na	None	None
Lead	*2.22*	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	<5	**7.98**	**8**	**20**	**44**	**21**	**20**	**14**	*2.7*	*2.2*	0.5	5
Toluene	18.5	160	*360*	*340*	36	10	24	33	3.3	4.8	200	1,000
Ethylbenzene	23.4	134	*170*	*220*	*180*	89	*210*	120	86	76	140	700
Total Xylenes (calculated)	71.3	489	820	*1,060*	680	290	980	580	165	257	1,000	10,000
M/P Xylene	50.6	294	550	720	440	190	660	360	100	170	None	None
Styrene / O-xylene	*20.7*	**195**	**270**	**340**	**240**	*100*	**320**	**220**	*65*	*87*	10	100
MTBE	ND	ND	2	ND	7.7	ND	ND	ND	2.3	3.3	12	60
1,2,4 Trimethylbenzene	13.2	88.5	110	180	200	96	280	230	70	100	None	None
1,3,5 Trimethylbenzene	ND	17.1	24	52	66	33	82	74	31	34	None	None
Total Trimethylbenzenes	13.2	*105.6*	*134*	*232*	*266*	*129*	*362*	*304*	*101*	*134*	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40
PAHs											None	None
1-Methylnaphthalene	1.41	na	na	na	na	na	na	na	na	na	None	None
2-Methylnaphthalene	0.607	na	na	na	na	na	na	na	na	na	None	None
Naphthalene	2.18	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-9
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Oct-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
DRO	23.7	351	na	na	na	na	na	na	na	na	None	None
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-10**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Oct-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	210	ND	130	88	ND	ND	na	160	ND	27	None	None
DRO	255	251	na	na	na	na	na	na	na	na	None	None
Benzene	**48.8**	**6.8**	**49**	**25**	*3*	**7.1**	na	**35**	ND	**6.8**	0.5	5
Toluene	ND	ND	1.4	1.6	ND	0.43	na	2.6	ND	ND	200	1,000
Ethylbenzene	5.14	ND	4.9	2.9	ND	1.1	na	9.6	ND	2.8	140	700
Total Xylenes (calculated)	58.3	1.44	40	28	3.4	6.6	na	68	ND	7.0	1,000	10,000
M/P Xylene	36.8	1.44	24	17	2.2	3.9	na	43	ND	4.6	None	None
Styrene / O-xylene	*21.5*	ND	*16*	*11*	1.2	2.7	na	*25*	ND	2.4	10	100
MTBE	ND	ND	0.6	ND	ND	ND	na	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	6.31	ND	4.2	2.6	ND	1.1	na	6.3	ND	1.5	None	None
1,3,5 Trimethylbenzene	ND	ND	0.7	0.6	ND	0.5	na	1.1	ND	0.43	None	None
Total Trimethylbenzenes	6.31	ND	4.9	3.2	ND	1.6	na	7.4	ND	1.93	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-11
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO				ND	ND	ND	ND	ND	ND	na	None	None
Benzene				ND	ND	N D	ND	ND	ND	na	0.5	5
Toluene				0.2	ND	0.6	ND	ND	ND	na	200	1,000
Ethylbenzene				ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)				ND	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene				ND	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene		Well installed July, 1999		ND	ND	ND	ND	ND	ND	na	10	100
MTBE				ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene				0.7	ND	0.52	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene				ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes				0.7	ND	0.52	ND	ND	ND	na	96	480
1,2-Dichlorobenzene				2.4	na	na	na	na	na	na	60	600
1,3-Dichlorobenzene				0.6	na	na	na	na	na	na	125	1250
1,4-Dichlorobenzene				1	na	na	na	na	na	na	15	75
Naphthalene				1.8	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**MW-12**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO				ND	ND	ND	ND	ND	ND	na	None	None
Benzene				ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene				0.2	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene				ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)				1.2	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene				1.2	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene				ND	ND	ND	ND	ND	ND	na	10	100
MTBE				ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene				0.7	ND	ND	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene				0.4	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes				1.1	ND	ND	ND	ND	ND	na	96	480
1,2-Dichlorobenzene				1.4	na	na	na	na	na	na	60	600
Naphthalene				ND	na	na	na	na	na	na	8	40

Well installed July, 1999

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-13
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO				79	25	ND	ND	ND	ND	ND	None	None
Benzene				**18**	**14**	**5.2**	*1.5*	*2*	*3.6*	*2.3*	0.5	5
Toluene				0.5	ND	ND	ND	ND	ND	ND	200	1,000
Ethylbenzene				0.9	ND	ND	ND	ND	ND	ND	140	700
Total Xylenes (calculated)				6.1	ND	ND	ND	ND	ND	ND	1,000	10,000
M/P Xylene				3.9	ND	ND	ND	ND	ND	ND	None	None
Styrene / O-xylene		Well installed July, 1999		2.2	ND	ND	ND	ND	ND	ND	10	100
MTBE				1.5	6.7	2.3	ND	ND	0.75	0.74	12	60
1,2,4 Trimethylbenzene				1.2	ND	ND	ND	ND	ND	ND	None	None
1,3,5 Trimethylbenzene				0.5	ND	ND	ND	ND	ND	ND	None	None
Total Trimethylbenzenes				1.7	ND	ND	ND	ND	ND	ND	96	480
1,2-Dichlorobenzene				1.6	na	na	na	na	na	na	60	600
1,3-Dichlorobenzene				0.5	na	na	na	na	na	na	125	1250
1,4-Dichlorobenzene				1	na	na	na	na	na	na	15	75
n-Propylbenzene				0.4	na	na	na	na	na	na	None	None
Naphthalene				1.6	na	na	na	na	na	na	8	40

Table 3:
Ground Water Monitoring Summary

Well Name (s)	MW-14
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO				800	1,900	1,500	820	820	900	540	None	None
Benzene				**160**	**330**	**230**	**130**	**200**	**230**	**110**	0.5	5
Toluene				6.8	120	11	2	8.1	8.1	4.3	200	1,000
Ethylbenzene				5	41	15	2.1	12	12	4.1	140	700
Total Xylenes (calculated)				310	870	680	350	380	510	212	1,000	10,000
M/P Xylene		Well installed July, 1999		180	560	440	230	240	330	130	None	None
Styrene / O-xylene				**130**	**310**	**240**	**120**	**140**	**180**	*82*	10	100
MTBE				7	ND	5.3	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene				34	99	90	51	35	70	34	None	None
1,3,5 Trimethylbenzene				12	27	28	14	8.4	21	8.9	None	None
Total Trimethylbenzenes				46	*126*	*118*	65	43.4	91	42.9	96	480
1,2-Dichlorobenzene				2.7	na	na	na	na	na	na	60	600
Naphthalene				*12*	na	na	na	na	na	na	8	40
Isopropylbenzene				5.6	na	na	na	na	na	na	None	None
n-Propylbenzene				5.2	na	na	na	na	na	na	None	None
n-Butylbenzene				2.5	na	na	na	na	na	na	None	None
sec-Butylbenzene				1	na	na	na	na	na	na	None	None

Table 3:
Ground Water Monitoring Summary

Well Name (s)	PZ-1
Site Name, City	Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511
BRRTS / PECFA	03-21-000662/54511-9628-86
Table Units	ug/l (ppb)
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	na	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
DRO	496	na	na	na	na	na	na	na	na	na	None	None
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	0.5	5
Toluene	ND	ND	ND	0.5	ND	ND	ND	ND	ND	na	200	1,000
Ethylbenzene	1.16	ND	ND	ND	ND	ND	ND	ND	ND	na	140	700
Total Xylenes (calculated)	21.9	ND	ND	ND	ND	ND	ND	ND	ND	na	1,000	10,000
M/P Xylene	11.6	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Styrene / O-xylene	*10.3*	ND	ND	ND	ND	ND	ND	ND	ND	na	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	na	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40
p-Isopropyltoluene	1.97	na	na	na	na	na	na	na	na	na	None	None

Table 3:
Ground Water Monitoring Summary

Well Name (s)	**PZ-2**
Site Name, City	**Kathy's Pine Lake Store, 9048 Hwy 32, Hiles, WI 54511**
BRRTS / PECFA	**03-21-000662/54511-9628-86**
Table Units	**ug/l (ppb)**
Path	G:\1I Shared Documents\WI GW data\Proj Files\GIS GW tables\

TABLE EXPLANATION	
na	Not analyzed
ND	Not detected w/ MDL <NR 140 ES
<1,000	< MDL: Not detected w/ MDL >NR 140 ES
3	Exceeds NR 140 PAL
40	Exceeds NR 140 ES

Remedial Event #1 Commercial Sales of Petroleum Products Ceased in 1998

Remedial Event #2: Hot-Spot Excavation May, 2001

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Oct-98	Nov-98	Apr-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03	PAL	ES
GRO	845	595	ND	ND	ND	ND	na	ND	ND	ND	None	None
DRO	349	433	na	na	na	na	na	na	na	na	None	None
Benzene	**205**	**167**	ND	*2.1*	ND	ND	na	ND	*1.6*	*0.72*	0.5	5
Toluene	ND	4.65	ND	ND	ND	ND	na	ND	ND	ND	200	1,000
Ethylbenzene	62.5	53.5	ND	ND	ND	ND	na	ND	ND	ND	140	700
Total Xylenes (calculated)	251.3	229.9	ND	ND	ND	ND	na	ND	ND	ND	1,000	10,000
M/P Xylene	155	136	ND	ND	ND	ND	na	ND	ND	ND	None	None
Styrene / O-xylene	*96.3*	*93.9*	ND	ND	ND	ND	na	ND	ND	ND	10	100
MTBE	ND	ND	4.1	3.0	ND	ND	na	ND	1.2	0.86	12	60
1,2,4 Trimethylbenzene	ND	2.09	ND	ND	ND	ND	na	ND	ND	ND	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	na	ND	ND	ND	None	None
Total Trimethylbenzenes	ND	2.09	ND	ND	ND	ND	na	ND	ND	ND	96	480
Naphthalene	ND	na	na	na	na	na	na	na	na	na	8	40

Table 3: Natural Attenuation Parameters
Kathy's Pine Lake Store

MW-1/MW-1R

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	14.7	15	10.2	8.9					13.6		
Dissolved Oxygen (mg/L)	0.28	0.13	0.24	0.27					0.13		
Conductivity (uS/cm)	311.2	324.7	930	400.1					369.8		
Salinity (ppt)	0.2	0.2	0.5	0.2					0.2		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	nd								6.2		
Dissolved Iron (ug/L)	10800								11100		
Methane (ug/L)	739								1200		

MW-2

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	13.7	13.5	10.3	7.4					8.6		
Dissolved Oxygen (mg/L)	0.29	0.19	3.32	0.35					0.84		
Conductivity (uS/cm)	266.4	263.2	238.3	184.2					194.8		
Salinity (ppt)	0.1	0.1	0.1	0.1					0.1		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	7.8								12		
Dissolved Iron (ug/L)	1130								1360		
Methane (ug/L)	nd								920		

MW-3

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	17.3	16.2	10.7	9.1					10.5		
Dissolved Oxygen (mg/L)	0.27	0.34	0.35	0.37					0.25		
Conductivity (uS/cm)	720	624	540	725					421.7		
Salinity (ppt)	0.4	0.3	0.3	0.4					0.2		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	3.93								7.9		
Dissolved Iron (ug/L)	25000								12400		
Methane (ug/L)	1100								1600		

Table 3: Natural Attenuation Parameters (continued)
Kathy's Pine Lake Store

MW-4

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	14.8	14.4	9.3	9.2					11.9		
Dissolved Oxygen (mg/L)	0.27	0.11	0.23	0.3					0.99		
Conductivity (uS/cm)	300.6	315.6	641	1124					349.8		
Salinity (ppt)	0.1	0.2	0.3	0.6					0.2		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	nd								5.7		
Dissolved Iron (ug/L)	12300								1500		
Methane (ug/L)	563								870		

MW-5

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	12.8	13.2	8.1	9.3					11.4		
Dissolved Oxygen (mg/L)	0.26	0.32	0.26	0.36					0.9		
Conductivity (uS/cm)	647	464.1	274.9	355.4					191.4		
Salinity (ppt)	0.3	0.2	0.1	0.2					0.1		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	nd								12		
Dissolved Iron (ug/L)	29000								6990		
Methane (ug/L)	2810								580		

MW-6

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	10.5	11.4	7.1	7.9					11.3		
Dissolved Oxygen (mg/L)	0.22	0.45	0.34	0.33					0.23		
Conductivity (uS/cm)	335.3	326.4	297.8	375					123.1		
Salinity (ppt)	0.2	0.2	0.1	0.2					0.1		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	3.63								2.9		
Dissolved Iron (ug/L)	5210								5920		
Methane (ug/L)	480								59		

Table 3: Natural Attenuation Parameters (continued)
Kathy's Pine Lake Store

MW-7/MW-7R

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	15.3	14.7	9.3	9.2					12		
Dissolved Oxygen (mg/L)	0.26	0.2	0.23	0.26					0.16		
Conductivity (uS/cm)	366.1	450.3	441.9	726					248.1		
Salinity (ppt)	0.2	0.2	0.2	0.4					0.1		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	2.69								5.3		
Dissolved Iron (ug/L)	3220								6170		
Methane (ug/L)	252								400		

MW-8

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	14.8	14.8	9.9	8.1					11.9		
Dissolved Oxygen (mg/L)	0.24	0.13	0.19	0.25					0.14		
Conductivity (uS/cm)	305.3	301	311.1	296					224.6		
Salinity (ppt)	0.1	0.1	0.1	0.1					0.1		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	3.75								8.1		
Dissolved Iron (ug/L)	8700								1310		
Methane (ug/L)	113								530		

MW-9

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)		12.5	8.9	7.4					9.3		
Dissolved Oxygen (mg/L)		0.43	11.97	0.46					2.77		
Conductivity (uS/cm)		258.9	78.6	277.6					65.7		
Salinity (ppt)		0.1	0	0.1					0		
Nitrate (mg/L)									0.64		
Sulfate (mg/L)									3.9		
Dissolved Iron (ug/L)									77.1		
Methane (ug/L)									nd		

Table 3: Natural Attenuation Parameters (continued)
Kathy's Pine Lake Store

MW-10

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)		14.1	9.7	8					8.9		
Dissolved Oxygen (mg/L)		0.25	0.22	0.35					0.36		
Conductivity (uS/cm)		1376	1056	3637					1176		
Salinity (ppt)		0.7	0.5	1.9					0.6		
Nitrate (mg/L)									nd		
Sulfate (mg/L)									9.3		
Dissolved Iron (ug/L)									17600		
Methane (ug/L)									790		

MW-11

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)											
Dissolved Oxygen (mg/L)											
Conductivity (uS/cm)											
Salinity (ppt)											
Nitrate (mg/L)									nd		
Sulfate (mg/L)									3.1		
Dissolved Iron (ug/L)									14500		
Methane (ug/L)									140		

MW-12

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)									10.4		
Dissolved Oxygen (mg/L)									0.35		
Conductivity (uS/cm)									924		
Salinity (ppt)									0.5		
Nitrate (mg/L)									nd		
Sulfate (mg/L)									3.5		
Dissolved Iron (ug/L)									15700		
Methane (ug/L)									400		

Table 3: Natural Attenuation Parameters (continued)
Kathy's Pine Lake Store

MW-13

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)									10		
Dissolved Oxygen (mg/L)									0.68		
Conductivity (uS/cm)									440		
Salinity (ppt)									0.2		
Nitrate (mg/L)									nd		
Sulfate (mg/L)									5.3		
Dissolved Iron (ug/L)									13600		
Methane (ug/L)									490		

MW-14

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)									10.1		
Dissolved Oxygen (mg/L)									0.9		
Conductivity (uS/cm)									1434		
Salinity (ppt)									0.7		
Nitrate (mg/L)									nd		
Sulfate (mg/L)									1.9		
Dissolved Iron (ug/L)									20600		
Methane (ug/L)									2600		

PZ-1

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)	12.9	11.2	7.8	7.9					11.2		
Dissolved Oxygen (mg/L)	0.32	2.78	2.67	1.66					3.5		
Conductivity (uS/cm)	828	524	403.7	294.4					342.7		
Salinity (ppt)	0.4	0.3	0.2	0.1					0.2		
Nitrate (mg/L)	nd								nd		
Sulfate (mg/L)	146								7.2		
Dissolved Iron (ug/L)	494								59.3		
Methane (ug/L)	12.3								9.7		

Table 3: Natural Attenuation Parameters (continued)
Kathy's Pine Lake Store
PZ-2

Date	Aug-98	Oct-98	Nov-98	May-99	Jul-99	Aug-01	Nov-01	Feb-02	Jun-02	Oct-02	Jan-03
Water temp (deg C)		13.8	10.3	8.1					7.4		
Dissolved Oxygen (mg/L)		1.29	4.03	0.48					5.74		
Conductivity (uS/cm)		629	605	480.6					510		
Salinity (ppt)		0.3	0.3	0.2					0.2		
Nitrate (mg/L)									nd		
Sulfate (mg/L)									10		
Dissolved Iron (ug/L)									657		
Methane (ug/L)									5.1		

Table 2:
Pre-Remedial Soil Lab Data
Former Kathy's Pine Lake Store

EXPLANATION

ND	Analyzed but not detected
na	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard
40	Exceeds NR 746 Table 1 Values

Boring Number	MW-1			MW-2		MW-3		MW-4			MW-5		**NR 720 Soil Clean-up Standards For soil with K> 10^{-6} cm/sec**	**NR 746 Table 1 Values Indicators of Residual Petroleum Product in Soil Pores**
Depth below ground (ft)	2'	4'	6'	2'	4'	2'	4'	2'	4'	10'	4'	10'		
Date Sampled	*7/98*													
Analyte														
GRO (mg/Kg)	ND	**276**	ND	54.5	ND	ND	ND	ND	11.4	ND	ND	ND	100	none est.
DRO (mg/Kg)	na	na	na	na	na	na	na	na	na	na	ND	ND	100	none est.
VOCs (in ug/kg)														
Benzene	<27	**532**	**710**	<27	<30	<31	<29	<30	**368**	**37**	<28	<30	5.5	8,500
Toluene	ND	**32,468**	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500	38,000
Ethylbenzene	37	***12,121***	139	ND	ND	ND	ND	ND	52	77	ND	ND	2,900	4,600
Total Xylenes	160	***100,452***	610	ND	ND	ND	ND	ND	**8,284**	667	ND	ND	4,100	42,000
M/P Xylene	160	66,454	427	ND	ND	ND	ND	ND	5,277	448	ND	ND	none est.	none est.
O-Xylene/Styrene	ND	33,998	183	ND	ND	ND	ND	ND	3,007	219	ND	ND	none est.	none est.
1,3,5-Trimethylbenzene	103	9,411	ND	***11,543***	86	ND	ND	ND	203	ND	ND	ND	none est.	11,000
1,2,4-Trimethylbenzene	281	34,797	56	ND	ND	ND	ND	ND	810	123	ND	ND	none est.	83,000
MTBE	ND	ND	ND	ND	ND	ND	ND	76	ND	88	76	84	none est.	none est.
sec-Butylbenzene	na	487	na	na	na	na	na	na	na	na	na	na	none est.	none est.
n-Butylbenzene	na	8,022	na	na	na	na	na	na	na	na	na	na	none est.	none est.
Isopropylbenzene	na	717	na	na	na	na	na	na	na	na	na	na	none est.	none est.
p-Isopropyltoluene	na	594	na	na	na	na	na	na	na	na	na	na	none est.	none est.
n-Propylbenzene	na	3,819	na	na	na	na	na	na	na	na	na	na	none est.	none est.

Table 2 (continued): Pre-Remedial Soil Lab Data
Former Kathy's Pine Lake Store

EXPLANATION

ND	Analyzed but not detected
na	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard
40	Exceeds NR 746 Table 1 Values

Boring Number	B-7		B-8		B-9		B-10		B-11 (MW-7)		B-12		MW-6	MW-8	PZ-1	**NR 720 Soil Clean-up Standards For soil with K> 10^{-6} cm/sec**	**NR 746 Table 1 Values Indicators of Residual Petroleum Product in Soil Pores**
Depth below ground (ft)	4'	5'	4'	6'	4'	6'	4'	6'	4'	6'	4'	6'	3.5'	4'	3.5'		
Date Sampled	*7/98*																
Analyte																	
GRO (mg/Kg)	ND	ND	ND	ND	**2,580**	11.1	ND	ND	11.9	39.3	ND	ND	7.66	ND	ND	100	none est.
DRO (mg/Kg)	na	na	na	na	na	na	21.9	ND	na	na	na	na	na	na	na	100	none est.
Lead	na	na	na	na	na	na	na	1.14	5.19	na	na	na	na	na	na	50	none est.
VOCs (in ug/kg)																	
Benzene	<30	<42	<30	123	***30,334***	**586**	<28	<30	**1,006**	**552**	<29	<30	**35**	<30	<28	5.5	8,500
Toluene	ND	ND	ND	ND	***222,144***	1,391	ND	ND	145	407	ND	ND	ND	ND	ND	1,500	38,000
Ethylbenzene	ND	ND	ND	96	***78,610***	216	ND	ND	824	1,555	29	ND	35	ND	ND	2,900	4,600
Total Xylenes	ND	ND	ND	523	***314,027***	922	ND	ND	**5,111**	**11,120**	ND	ND	ND	ND	ND	4,100	42,000
M/P Xylene	ND	ND	ND	326	223,987	646	ND	ND	3,440	7,438	ND	ND	ND	ND	ND	none est.	none est.
O-Xylene/Styrene	ND	ND	ND	197	90,040	276	ND	ND	1,671	3,682	ND	ND	ND	ND	ND	none est.	none est.
1,3,5-Trimethylbenzene	ND	ND	ND	36	***35,709***	77	ND	ND	62	834	ND	ND	903	ND	ND	none est.	11,000
1,2,4-Trimethylbenzene	ND	ND	ND	121	***128,289***	368	ND	ND	207	2,903	ND	ND	ND	ND	ND	none est.	83,000
MTBE	61	111	89	89	<2674	ND	ND	82	ND	ND	74	ND	ND	ND	59	none est.	none est.
Chloromethane	na	na	na	na	na	na	na	207*	122*	na	na	na	na	na	na	none est.	none est.
n-Butylbenzene	na	na	na	na	na	na	na	56	ND	na	na	na	na	na	na	none est.	none est.
1,4-Dichlorobenzene	na	na	na	na	na	na	na	ND	32	na	na	na	na	na	na	none est.	none est.
sec-Butylbenzene	na	na	na	na	na	na	na	ND	91	na	na	na	na	na	na	none est.	none est.
p-Isopropyltoluene	na	na	na	na	na	na	na	ND	32	na	na	na	na	na	na	none est.	none est.
Isopropyl Ether	na	na	na	na	na	na	na	ND	53	na	na	na	na	na	na	none est.	none est.

* According to the laboratory report, chloromethane was detected in the method blank.

Table 2 (continued): Pre-Remedial Soil Lab Data
Former Kathy's Pine Lake Store

EXPLANATION

ND	Analyzed but not detected
na	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard
40	Exceeds NR 746 Table 1 Values

Boring Number	B-13		MW-9	MW-10		**NR 720 Soil Clean-up Standards For soil with K> 10^{-6} cm/sec**	**NR 746 Table 1 Values Indicators of Residual Petroleum Product in Soil Pores**
Depth below ground (ft)	4'	5.5'	5'	5.5'	8'		
Date Sampled	*10/98*						
Analyte							
GRO (mg/Kg)	**619**	**3040**	ND	ND	ND	100	none est.
DRO (mg/Kg)	**307**	**925**	ND	5.75	ND	100	none est.
VOCs (in ug/kg)							
Benzene	**2,261**	***26,408***	<31	<28	**93**	5.5	8,500
Toluene	**28,592**	***100,878***	ND	44	ND	1,500	38,000
Ethylbenzene	***14,202***	***56,306***	ND	ND	ND	2,900	4,600
Total Xylenes	***58,075***	***229,589***	ND	ND	99	4,100	42,000
M/P Xylene	42,629	167,753	ND	ND	65	none est.	non est.
O-Xylene/Styrene	15,446	61,836	ND	ND	34	none est.	none est.
1,3,5-Trimethylbenzene	***12,332***	***35,980***	ND	ND	ND	none est.	11,000
1,2,4-Trimethylbenzene	35,985	***117,289***	ND	ND	ND	none est.	83,000
MTBE	<440	<1,126	ND	ND	ND	none est.	none est.
sec-Butylbenzene	na	na	ND	na	na	none est.	none est.
n-Butylbenzene	na	na	ND	na	na	none est.	none est.
Isopropylbenzene	na	na	ND	na	na	none est.	none est.
p-Isopropyltoluene	na	na	ND	na	na	none est.	none est.
n-Propylbenzene	na	na	ND	na	na	none est.	none est.

Table 2 (continued):
Pre-Remedial Soil Lab Data
Bioremediation Analysis
Former Kathy's Pine Lake Store

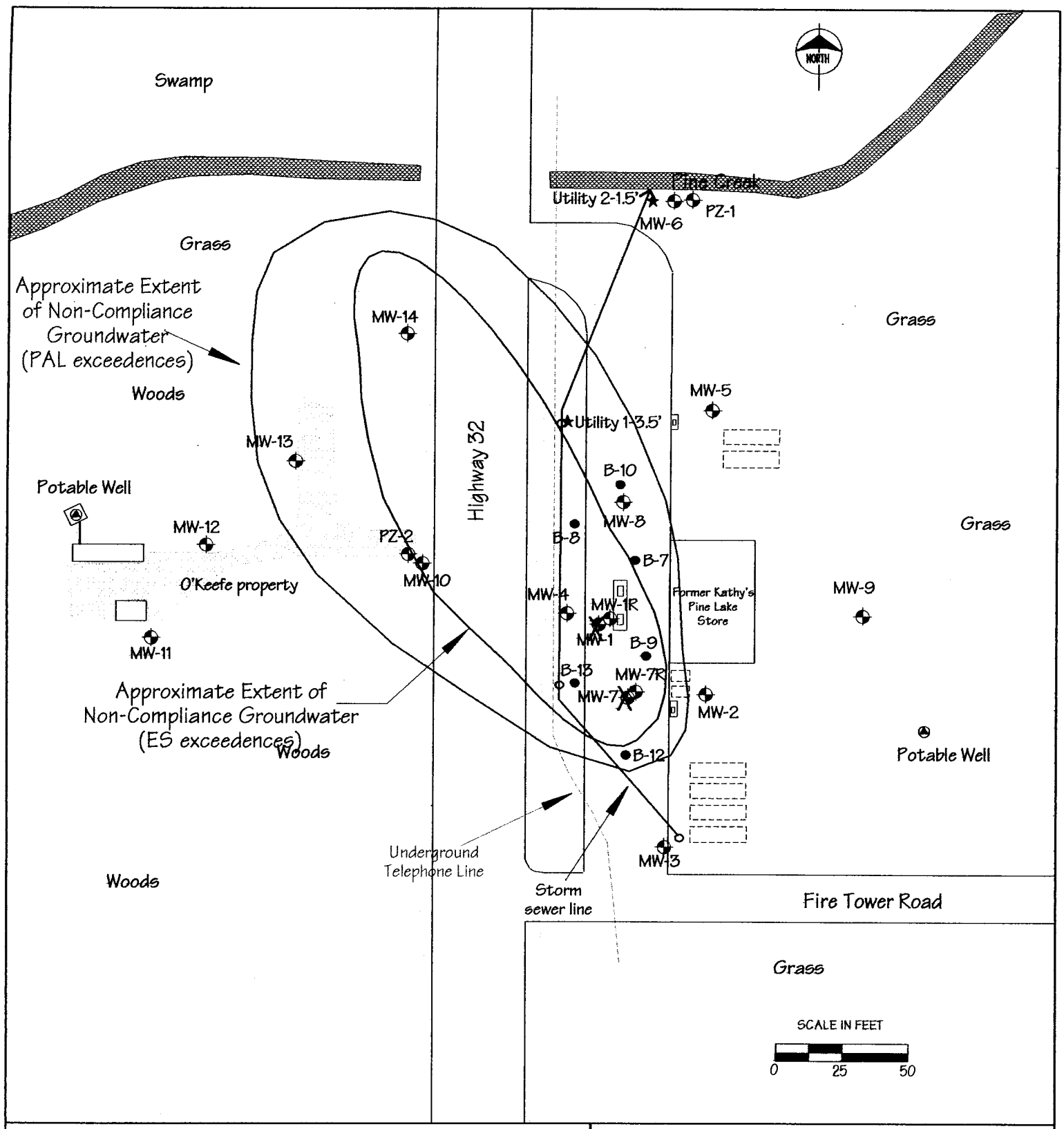
Boring Number	MW-1	MW-3
Depth below ground (ft)	2'	3'
Date Sampled	*7/98*	
Soil Bioremediation Analysis		
Ammonia Nitrogen (mg/kg)	13	97.3
Total Kjeldahl Nitrogen (mg/kg)	183	342
Orthophosphate (mg/kg)	0.751	0.616
Soluble Sulfate (mg/kg)	ND	ND
Soluble Manganese (mg/kg)	ND	0.20
Heterotrophic Count-Soil (CFU/g TS)	2,480,000	2,310,000
Petroleum Degraders (CFU/g TS)	24000	240,000
% Degraders	1	10
Total Organic Carbon (ppm)	5580	20,900

Table 4:
Excavation Sidewall Soil Lab Data and Utility Corridor Investigation Lab Data
Former Kathy's Pine Lake Store

EXPLANATION

nd	Analyzed but not detected
NA	Not analyzed
<.02	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standards

Sample Number	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	Base-1	Utility Samples		NR 720 Soil Clean-up Standards For soil with K> 10^{-6} cm/sec
								1	2	
Depth below ground (ft)	6'	6'	5'	6'	5'	5'	6'	3.5'	1.5'	
Date Sampled	*5/01*									
Analyte										
GRO (mg/kg)	nd	nd	nd	nd	nd	nd	4.2	nd	nd	100
DRO (mg/kg)	nd	NA	nd	NA	nd	NA	NA	NA	NA	100
PVOCs (in mg/kg)										
Benzene	nd	nd	nd	0.16	nd	nd	0.26	nd	nd	0.0055
Toluene	nd	nd	nd	nd	nd	nd	0.096	nd	nd	1.5
Ethylbenzene	nd	nd	nd	nd	nd	nd	0.39	nd	nd	2.9
Total Xylenes	nd	nd	nd	0.53	nd	nd	1.74	nd	nd	4.1
M/P Xylene	nd	nd	nd	0.33	nd	nd	1.20	nd	nd	none est.
O-Xylene/Styrene	nd	nd	nd	0.20	nd	nd	0.54	nd	nd	none est.
1,3,5-Trimethylbenzene	nd	nd	nd	nd	nd	nd	0.13	nd	nd	none est.
1,2,4-Trimethylbenzene	nd	nd	nd	0.038	nd	nd	0.44	nd	nd	none est.
MTBE	nd	nd	nd	nd	nd	nd	nd	nd	nd	none est.
PAHs (in mg/kg)										Suggested GRCLs for PAHs in soil–Groundwater Pathway
1-Methylnaphthalene	nd	NA	nd	NA	0.036	NA	NA	NA	NA	42
2-Methylnaphthalene	0.037	NA	0.057	NA	0.12	NA	NA	NA	NA	30
Acenaphthene	nd	NA	nd	NA	3.1	NA	NA	NA	NA	69
Acenaphthylene	0.52	NA	0.066	NA	0.42	NA	NA	NA	NA	1.2
Benzo(a)anthracene	nd	NA	nd	NA	0.017	NA	NA	NA	NA	30
Benzo(a)pyrene	nd	NA	0.0031	NA	nd	NA	NA	NA	NA	90
Benzo(b)fluoranthene	0.0020	NA	0.016	NA	0.081	NA	NA	NA	NA	650
Benzo(g,h,i)perylene	0.0073	NA	0.0092	NA	nd	NA	NA	NA	NA	12,000
Benzo(k)fluoranthene	nd	NA	0.0020	NA	0.17	NA	NA	NA	NA	1,600
Chrysene	nd	NA	nd	NA	0.15	NA	NA	NA	NA	66
Dibenzo(a,h)anthracene	0.012	NA	0.010	NA	nd	NA	NA	NA	NA	69
Fluoranthene	nd	NA	0.058	NA	0.017	NA	NA	NA	NA	1,000
Indeno(1,2,3-cd)pyrene	nd	NA	nd	NA	0.022	NA	NA	NA	NA	1,200
Naphthalene	nd	NA	0.019	NA	0.38	NA	NA	NA	NA	0.7
Phenanthrene	0.0045	NA	0.0071	NA	0.028	NA	NA	NA	NA	3.3
Pyrene	0.0044	NA	0.0060	NA	0.40	NA	NA	NA	NA	16,000



Legend

MW-13 Monitoring Well

B-10 Soil Boring

Potable Well

Former Pump Island

Former Underground Storage Tank

Utility 2-1.5' Utility Corridor Soil Sample Location

Former Kathy's Pine Lake Store, Hiles, WI

SAND CREEK ENTS

Environmental & Geological Scientists
Rhinelander, Wisconsin

Figure 7:
Approximate Extent of Non-Compliance Groundwater
January, 2003

Drawn by BSH

Date 01/03

TABLE 1: FORMER KATHY'S PINE LAKE STORE (KLUSS) SURVEY DATA AND WATER LEVEL MEASUREMENTS

WELL ID		MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-7R	MW-8	MW-9	MW-10	PZ-1	PZ-2	MW-11	MW-12	MW-13	MW-14
Ground Elevation		1639.4	1639.7	1639.3	1638.8	1639.3	1639.1	1637.2	1638.4	1639.63	1639.1	1640.1	1641.2	1637.1	1641.0	1636.0	1636.2	1637.9	1640.8
PVC Elevation		1639.26	1639.10	1638.99	1639.14	1639.00	1642.23	1640.50	1639.14	1638.97	1638.68	1642.70	1640.54	1640.25	1640.41	1637.60	1637.99	1641.14	1640.66
Well Screen Interval		1637.4-1627.4	1637.2-1627.2	1637.3-1627.3	1636.8-1626.8	1637.3-1627.3	1637.1-1627.1	1636.2-1626.2	1636.4-1626.4	1637.13-1627.13	1637.1-1627.1	1637.1-1627.1	1637.2-1627.2	1615.1-1610.1	1608.0-1603.0	1632.0-1627.0	1635.2-1630.2	1636.9-1631.9	1634.8-1629.8
8/07/98	Dep. to GW	4.44	Installed 7/26/01	4.05	4.18	4.23	7.24	5.58	4.27	Installed 7/26/01	3.85	--	--	5.14	--				
	GW Elev.	1634.82		1634.94	1634.96	1634.77	1634.99	1634.92	1634.87		1634.83	--	--	1635.11	--				
8/12/98	Dep. to GW	4.52		4.16	4.31	4.31	7.34	5.68	4.36		3.96	--	--	5.23	--				
	GW Elev.	1634.77		1634.83	1634.83	1634.69	1634.89	1634.82	1634.78		1634.72	--	--	1635.02	--				
10/14/98	Dep. to GW	4.50		4.14	4.28	4.28	7.46	5.95	4.32		3.98	7.74	6.00	5.49	5.59				
	GW Elev.	1634.76		1634.85	1634.86	1634.72	1634.77	1634.55	1634.82		1634.70	1634.96	1634.54	1634.76	1634.82				
12/22/98	Dep. to GW	3.68		3.25	3.40	3.49	6.82	5.48	3.50		3.22	6.87	5.25	5.10	5.13				
	GW Elev.	1635.58		1635.74	1635.74	1635.51	1635.41	1635.02	1635.64		1635.46	1635.83	1635.29	1635.15	1635.28				
5/17/99	Dep. to GW	3.31		2.74	2.92	3.16	6.41	5.01	3.05		2.87	6.19	5.05	4.49	4.59				
	GW Elev.	1635.95		1636.25	1636.22	1635.84	1635.82	1635.49	1636.09		1635.81	1636.51	1635.49	1635.76	1635.82				
7/22/99	Dep. to GW	2.72		2.16	2.71	2.57	5.77	4.37	2.52		2.22	5.53	4.51	3.94	4.14	1.91	2.29	5.43	4.75
	GW Elev.	1636.54		1636.83	1636.43	1636.43	1636.46	1636.13	1636.62		1636.46	1637.17	1636.03	1636.31	1636.27	1635.69	1635.70	1635.71	1635.91
8/22/01	Dep. to GW	Lost in Excavation	3.69	3.44	3.75	3.61	6.79	4.94	Lost in Excavation	3.47	3.46	7.09*	5.52	4.54	8.61	2.89	3.34	6.51	6.81
	GW Elev.		1635.41	1635.55	1635.39	1635.39	1635.44	1635.56		1635.50	1635.22	1635.61	1635.02	1635.71	1631.80	1634.71	1634.65	1634.63	1633.85
11/12/01	Dep. to GW		3.53	3.27	3.55	3.49	6.78	5.28		3.31	3.39	6.75	5.29	4.82	16.92	2.47	2.95	6.11	5.57
	GW Elev.		1635.57	1635.72	1635.59	1635.51	1635.45	1635.22		1635.66	1635.29	1635.95	1635.25	1635.43	1623.49	1635.13	1635.04	1635.03	1635.09
2/25/02	Dep. to GW		3.51	3.23	3.51	3.44	6.73	5.21		3.28	3.45	6.79	Note 4	4.75	Note 4	2.31	2.80	5.93	5.48
	GW Elev.		1635.59	1635.76	1635.63	1635.56	1635.50	1635.29		1635.69	1635.23	1635.91	--	1635.50	--	1635.29	1635.19	1635.21	1635.18
6/18/02	Dep. to GW		2.46	1.94	2.35	2.51	5.85	4.79		2.12	2.50	5.28	4.45	4.31	11.74	2.13	2.63	5.58	5.05
	GW Elev.		1636.64	1637.05	1636.79	1636.49	1636.38	1635.71		1636.85	1636.18	1637.42	1636.09	1635.94	1628.67	1635.47	1635.36	1635.56	1635.61
10/1/02	Dep. to GW		2.68	2.45	2.85	2.64	5.86	4.67		2.50	2.63	6.27	4.44	4.48	4.93	1.98	2.47	5.31	4.95
	GW Elev.		1636.42	1636.54	1636.29	1636.36	1636.37	1635.83		1636.47	1636.05	1636.43	1636.10	1635.77	1635.48	1635.62	1635.52	1635.83	1635.71

TABLE 1 (continued): FORMER KATHY'S PINE LAKE STORE (KLUSS) SURVEY DATA AND WATER LEVEL MEASUREMENTS

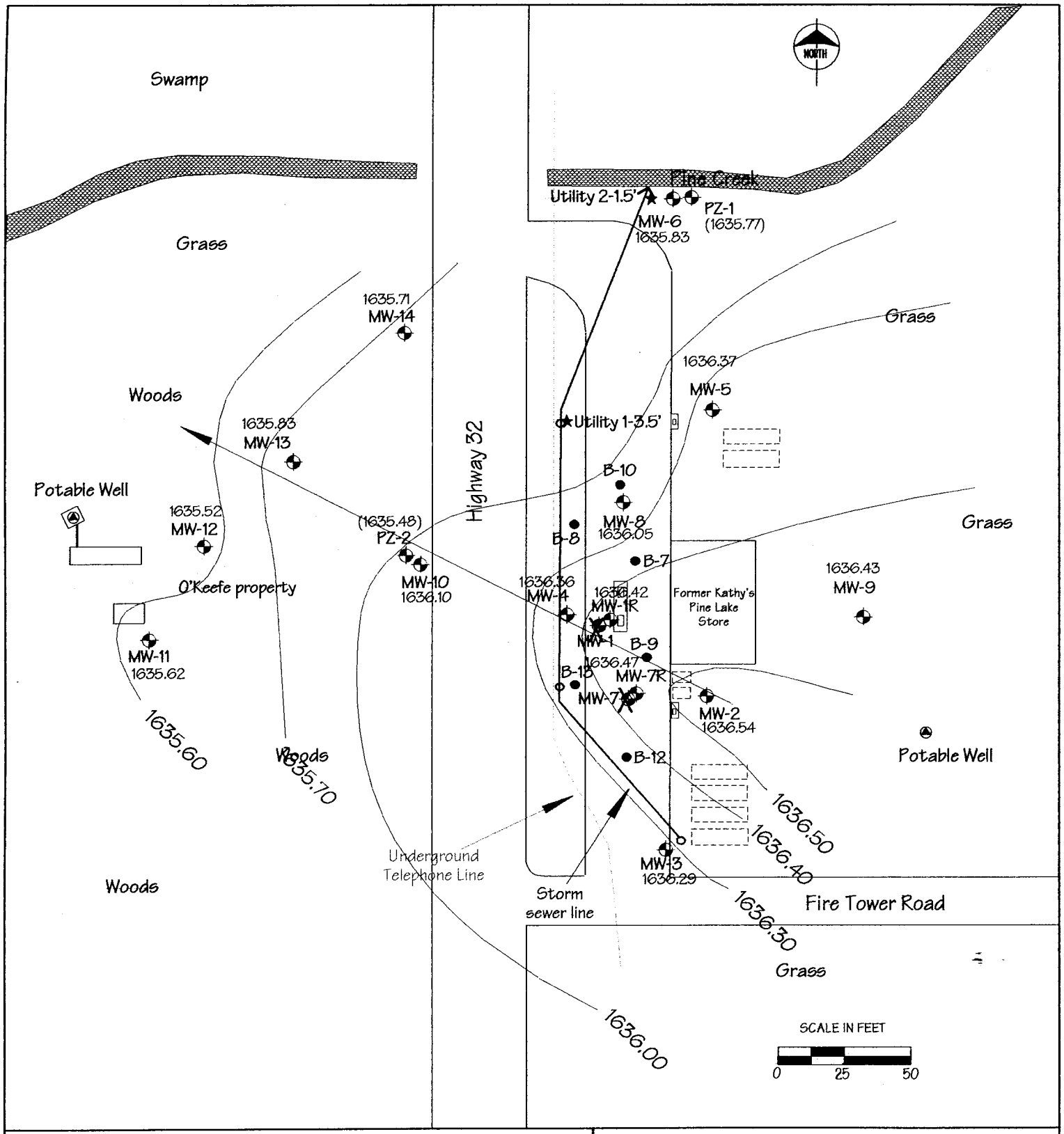
WELL ID		MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-7R	MW-8	MW-9	MW-10	PZ-1	PZ-2	MW-11	MW-12	MW-13	MW-14
Ground Elevation		1639.4	1639.7	1639.3	1638.8	1639.3	1639.1	1637.2	1638.4	1639.63	1639.1	1640.1	1641.2	1637.1	1641.0	1636.0	1636.2	1637.9	1640.8
PVC Elevation		1639.26	1639.10	1638.99	1639.14	1639.00	1642.23	1640.50	1639.14	1638.97	1638.68	1642.70	1640.54	1640.25	1640.41	1637.60	1637.99	1641.14	1640.66
Well Screen Interval		1637.4-1627.4	1637.2-1627.2	1637.3-1627.3	1636.8-1626.8	1637.3-1627.3	1637.1-1627.1	1636.2-1626.2	1636.4-1626.4	1637.13-1627.13	1637.1-1627.1	1637.1-1627.1	1637.2-1627.2	1615.1-1610.1	1608.0-1603.0	1632.0-1627.0	1635.2-1630.2	1636.9-1631.9	1634.8-1629.8
1/8/03	Dep. to GW		**3.77**	--	--	**3.71**	--	--		**3.56**	**3.83**	--	**5.47**	--	**11.00**	--	--	**6.31**	**5.78**
	GW Elev.		1635.33	--	--	1635.29	--	--		1635.41	1634.85	--	1635.07	--	1629.41	--	--	1634.83	1634.88
Max. elevation measured		1636.54	1636.64	1637.05	1636.79	1636.49	1636.46	1636.13	1636.62	1636.85	1636.46	1637.42	1636.10	1636.31	1636.27	1635.69	1635.70	1635.83	1635.91
Min. elevation measured		1634.76	1635.33	1634.83	1634.83	1634.69	1634.77	1634.55	1634.78	1635.41	1634.70	1634.96	1634.54	1634.76	1623.49	1634.71	1634.65	1634.63	1633.85
Difference between max. and min. elevations		**1.78**	**1.31**	**2.22**	**1.96**	**1.8**	**1.69**	**1.58**	**1.84**	**1.44**	**1.76**	**2.46**	**1.56**	**1.55**	**12.78**	**0.98**	**1.05**	**1.2**	**2.06**

Notes: 1. --- cells indicate data not collected. 2. Elevation of south corner of concrete pump protector is 1641.00

2. MW-1R and MW-7R were installed on 7/26/01. They were surveyed on 8/22/01 and were tied to MW-4.

3. * PVC cap was stuck on MW-9 on 8/22/01; well was sampled 6 days later.

4. MW-10 and PZ-2 buried under snowbank–couldn't sample.



Legend

MW-13	Monitoring Well
B-10	Soil Boring
	Potable Well
	Former Pump Island
	Former Underground Storage Tank
Utility 2-1.5'	Utility Corridor Soil Sample Location

Former Kathy's Pine Lake Store, Hiles, WI

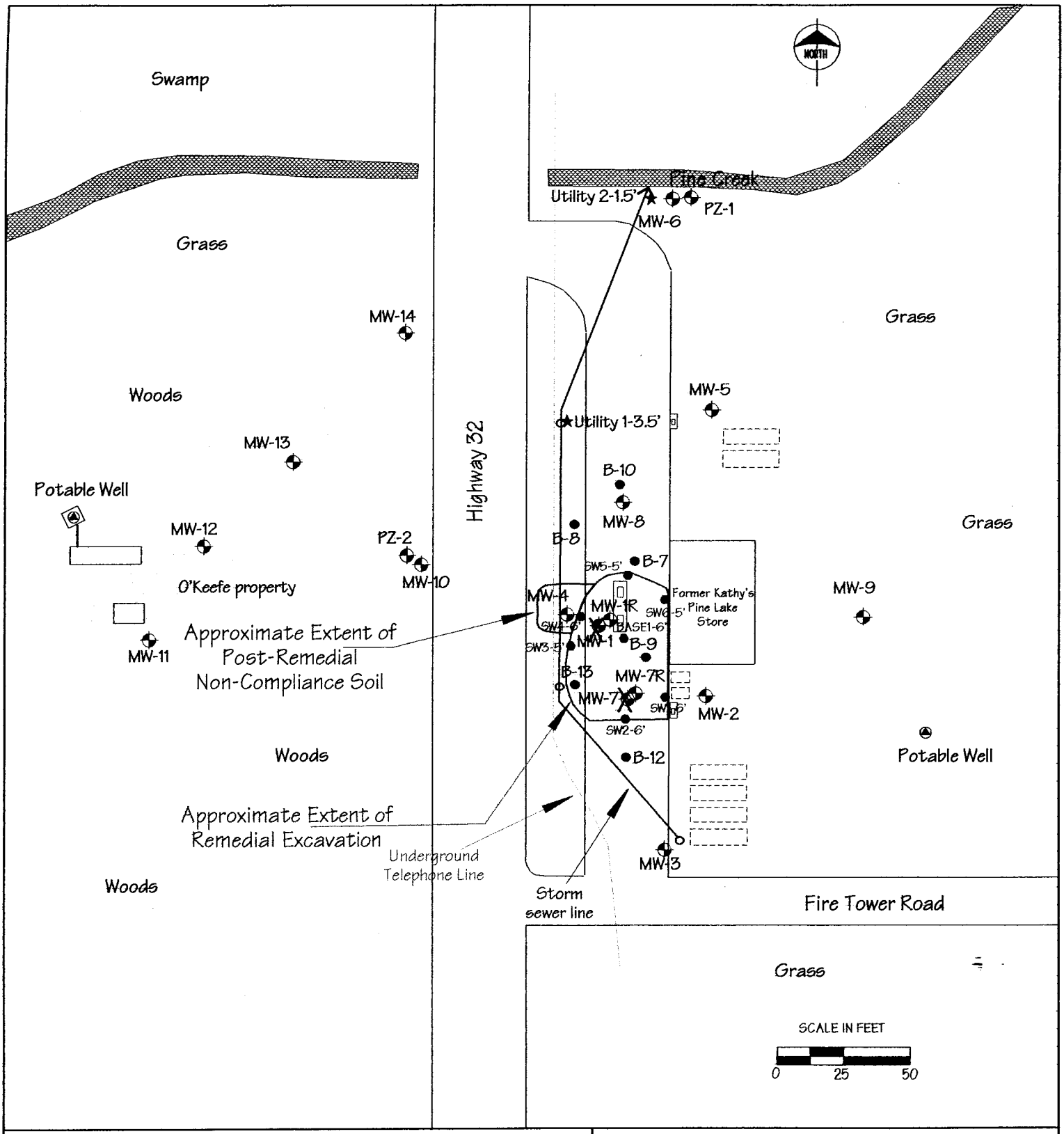
SAND CREEK ENTS

Environmental & Geological Scientists
Rhinelander, Wisconsin

Figure 4: Groundwater Contours October, 2002

Drawn by BSH

Date 11/02



Legend

MW-13 Monitoring Well	Former Pump Island
B-10 Soil Boring	Former Underground Storage Tank
Potable Well	Utility 2-1.5' Utility Corridor Soil Sample Location
SW5-5' Excavation Sidewall Sample Location	

Former Kathy's Pine Lake Store, Hiles, WI

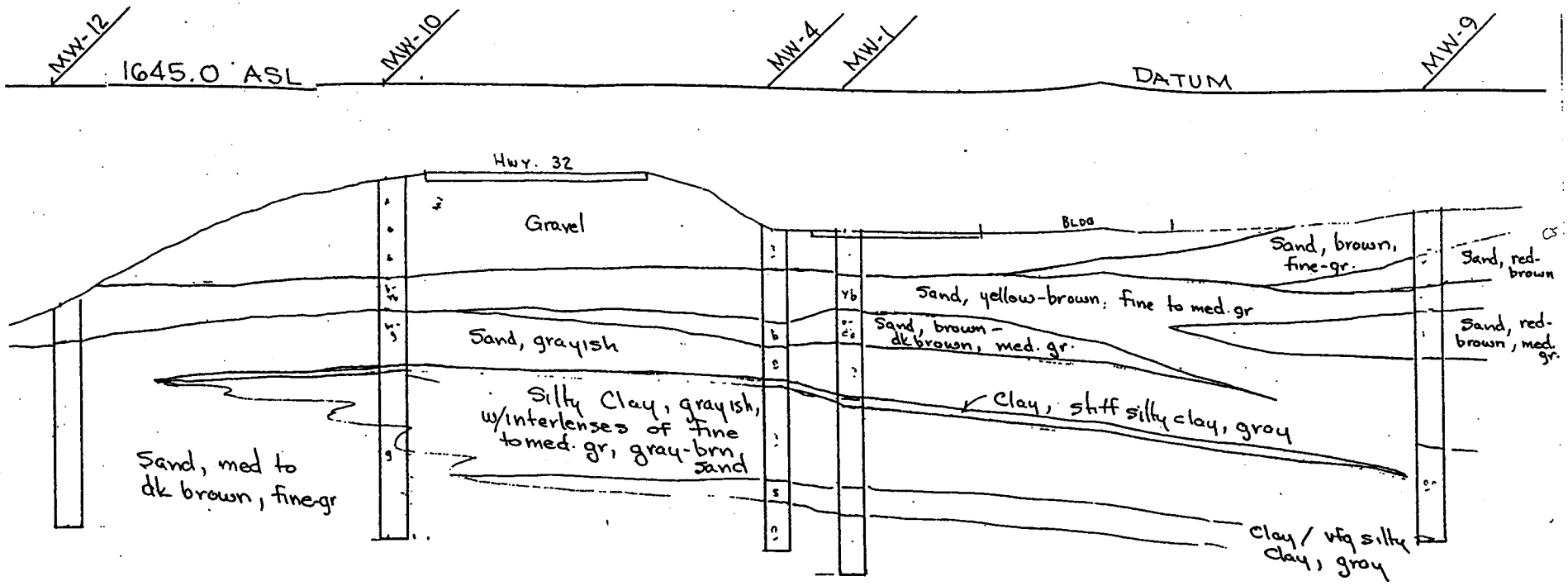
SAND CREEK ANTS

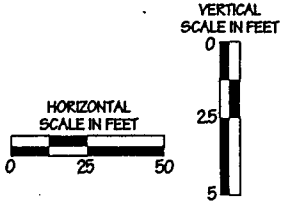
Environmental & Geological Scientists
Rhinelander, Wisconsin

Figure 6:
Approximate Extent of Remedial Excavation and Post-Remedial Non-Compliance Soil

Drawn by BSH

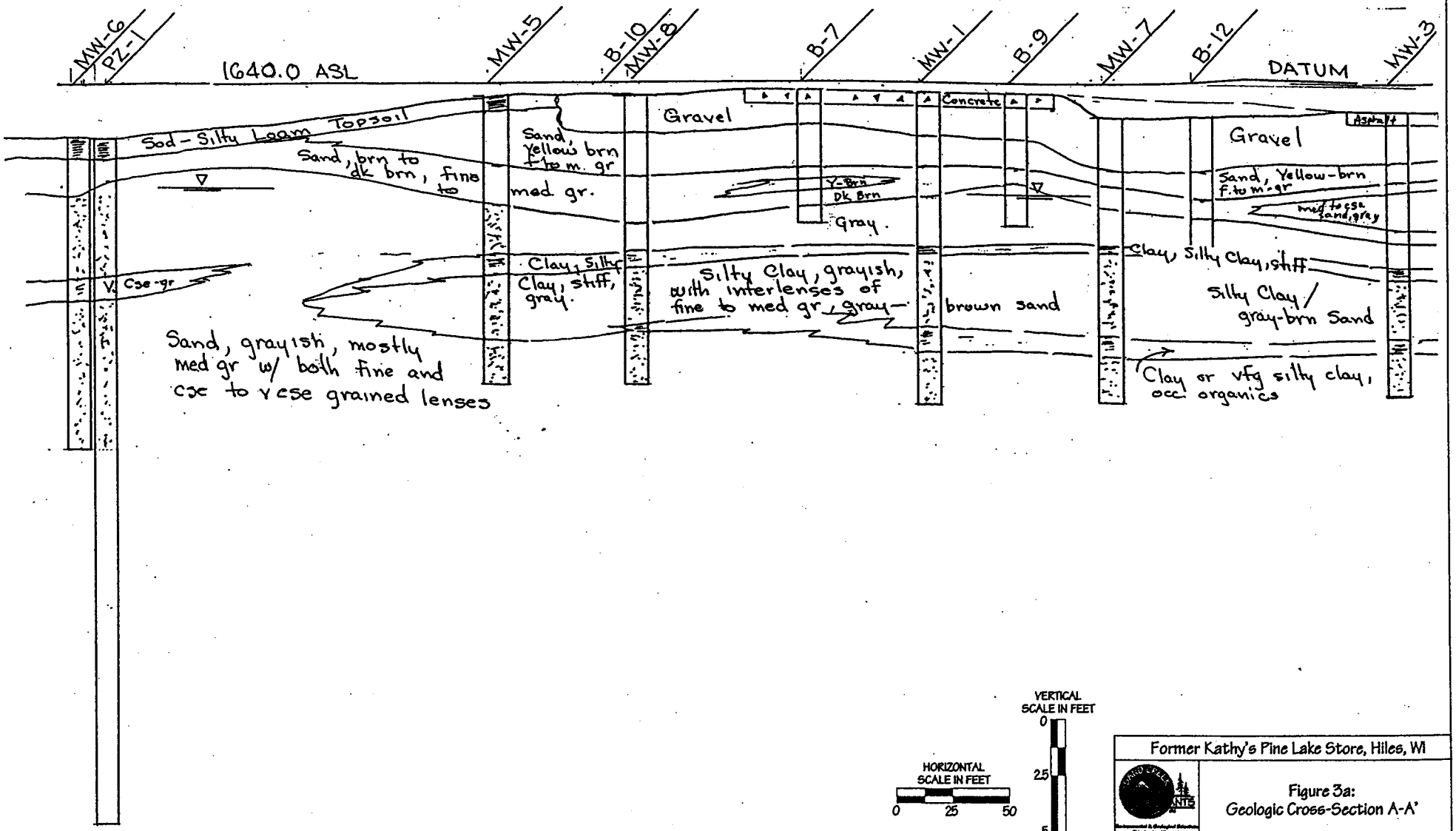
Date 06/01





Former Kathy's Pine Lake Store, Hiles, WI

Figure 3b:
Geologic Cross-Section B-B'



Former Kathy's Pine Lake Store, Hiles, WI

Figure 3a:
Geologic Cross-Section A-A'

STATEMENT REGARDING LEGAL DESCRIPTION OF PROPERTY WITHIN THE CONTAMINATED SITE BOUNDARIES

I, Ken Kluss, owner of the Former Kathy's Pine Lake Store property located at 9048 Highway 32 in Hiles, Wisconsin, believe that the legal description has been attached for each property that is within or partially within the contaminated site boundary.

Kenneth L Kluss

Ken Kluss, owner

3/28/03

Date

COPY

Ken Kluss
S79 W30989 Romeo Ct.
Mukwonago, WI 53149

February 7, 2003

Mr. Timothy O'Keefe
1564 Bruce Lane
Green Bay, WI 54313

Dear Mr. O'Keefe:

Groundwater contamination that appears to have originated on the property located at 9048 Highway 32 in Hiles, Wisconsin, has migrated onto your property at 9049 Highway 32 in Hiles, Wisconsin. The levels of benzene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6076 for calls originating in Wisconsin, or 608-264-6020 if you are calling from out of state or within the Madison area, to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-Site Contamination. The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Ms. Janet Kazda, 107 Sutliff Avenue, Rhinelander, WI 54501.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed

on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you may obtain a copy of this letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwur. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at S79 W30989 Romeo Ct., Mukwonago, WI 53149, phone 262-363-8634, or you may contact Ms. Brenda Halminiak at Sand Creek Consultants at P.O. Box 1512, Rhinelander, WI 54501, phone 715-365-1818.

Sincerely,

Kenneth L. Kluss

Ken Kluss

Brenda S. Halminiak / Sand Creek Consultants, Inc.

From: "TeBeest, Sharlene" <sharlene.tebeest@dot.state.wi.us>
To: "'Brenda S. Halminiak / Sand Creek Consultants, Inc.'" <bsh@sand-creek.com>
Sent: Friday, February 28, 2003 3:51 PM
Subject: RE: Notification of contamination within right of way

Thank you Brenda,
I've received your notification for the Former Kathy's Pine Lake Store.

Shar

Shar Te Beest
Hazardous Materials Specialist
Wisconsin Department of Transportation
Bureau of Environment
Phone (608) 266-1476; Fax (608) 266-7818
e-mail: sharlene.tebeest@dot.state.wi.us

-----Original Message-----
From: Brenda S. Halminiak / Sand Creek Consultants, Inc. [mailto:bsh@sand-creek.com]
Sent: Friday, February 28, 2003 3:45 PM
To: TeBeest, Sharlene
Subject: Notification of contamination within right of way

This email is to serve as notification that groundwater contamination exists in WI DOT right-of-way at a site in Hiles. Following is site-specific information.

COUNTY: Forest
HIGHWAY: Highway 32
SITE NAME: Former Kathy's Pine Lake Store
SITE ADDRESS: 9048 Hwy 32, Hiles, WI 54511
BRRTS # 03-21-000662
PECFA # 54511-9628-86
OWNER'S NAME: Ken Kluss
OWNER'S ADDRESS: S79 W 30989 Romeo Ct., Mukwonago, WI 53149
CONSULTING FIRM: Sand Creek Consultants, Inc.
CONSULTANT CONTACT: Brenda Halminiak
CONSULTANT ADDRESS: P.O. Box 1512, Rhinelander, WI 54501
CONSULTANT PHONE, FAX, AND EMAIL: phone 715-365-1818
fax 715-365-1819
email bsh@sand-creek.com
SOIL CONTAMINATION: Yes, on both the subject property and on WI DOT right-of-way
GROUNDWATER CONTAMINATION: Yes, on both the subject property and on WI DOT right-of-way
DEPTH TO WATER TABLE: approximately 4' below ground surface
TYPES OF CONTAMINATION PRESENT: VOCs, PAHs, GRO, DRO
BRIEF SUMMARY OF CLEANUP ACTIVITY: Hot-spot soil excavation on subject property, followed by groundwater natural attenuation monitoring

MAP SHOWING CURRENT EXTENT OF GROUNDWATER CONTAMINATION: Attached
MAP SHOWING CURRENT EXTENT OF SOIL CONTAMINATION: Attached

Please respond to this email so I know you received the information. If you need clarification on anything, feel free to contact me via email or phone.

Brenda S. Halminiak
Project Manager
Sand Creek Consultants, Inc.
P.O. Box 1512
150 S. Stevens Street
Rhinelander, WI 54501
phone 715-365-1818
fax 715-365-1819
bsh@sand-creek.com
www.sand-creek.com