GIS REGISTRY INFORMATION

SITE NAME: HUEBNERS STANDARD SERVICE

BRRTS #: 03-44-185490 **FID # (**if appropriate**):**

COMMERCE # (if appropriate**):** 54501353707

CLOSURE DATE: 02/19/2003

STREET ADDRESS: 507 LINCOLN ST

CITY: RHINELANDER

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection)**:** X= 566402 Y= 573494

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [X]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

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

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): [ ] Yes [X] No

IF YES, STREET ADDRESS 1:

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

CONTAMINATION IN RIGHT OF WAY: [Y] Yes [ ] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	X
Copy of any maintenance plan referenced in the final closure letter.	NA
Copy of (soil or land use) deed notice *if any required as a condition of closure*	X
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	X
County Parcel ID number, *if used for county*, for all affected properties	X
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.	X
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.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
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	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	X
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy**)**	
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

James Doyle, Governor
Scott Hassett, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

January 22, 2003

Mr. Dennis Huebner
4454 Harmony Hill Ln
Rhinelander, WI 54501

Subject: Conditional Case Closure
Former Huebner's Amoco, 507 Lincoln St, Rhinelander, Wisconsin
WDNR BRRTS # 03-44-185490
PECFA # 54501-3537-07

Dear Mr. Huebner:

On January 9, 2003, your request for closure of the case described above was reviewed by the 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 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.

The GIS package submitted for closure needs the following items submitted:

1. County Parcel ID number for the site.
2. All tables should be submitted copied on one side only. Double sided copies will not go through the scanner.
3. Figure 5 and the diagram titled "Approximate Vertical Extent of Remedial Excavation on 10/6/99" should be redone without color. When the colors are copied, the red and the green hatched areas become the same, and it is impossible to distinguish which is which.
4. Figure 1 Site Layout map should have no shading. It is impossible to read "Huebner's Service Station and Car Wash" within the shaded area. This map should also include some indication of what businesses or homes are located on the east and west of the site, and across the street (to the south) of the site.

When the above conditions have been satisfied and the corrected documents have been submitted, 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 & Redevelopment Program

cc: File
Chuck Weister, Rhinelander

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

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
William H. Smith, Regional Director

Northern Region Headquarters
107 Sutliff Ave.
Rhinelander, Wisconsin 54501-0818
Telephone 715-365-8900
FAX 715-365-8932
TDD 715-365-8957

February 19, 2003

Mr. Dennis Huebner
4454 Harmony Hill Ln
Rhinelander, WI 54501

SUBJECT: Final Case Closure By Closure Committee
Former Huebner's Amoco, 507 Lincoln St, Rhinelander, WI
WDNR BRRTS #: 03-44-185490
PECFA # 54501-3537-07

Dear Mr. Huebner:

On January 9, 2003 your site as described above was reviewed for closure by the Northern Region 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 22, 2003, you were notified that the Closure Committee had granted conditional closure to this case.

On February 19, 2003, the Department received correspondence indicating that you have complied with the conditions of closure, specifically, documentation of the abandonment of the monitoring wells at the site and submittal of GIS information as requested in the Department's January 22, 2003 letter to you. Based on the correspondence and data provided, it appears that 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

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 and Redevelopment Program

cc: File
Chuck Weister, Rhinelander

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

Information Required for Inclusion on the GIS Registry of Groundwater Contaminated Sites

Site: Former Huebner's Amoco

PECFA Claim # 54501-3537-07

BRRTS # 03-44-185490

Statement Certifying Legal Description of Property is Correct: Attached

Copy of the Property Deed for the Contaminated Property: Attached

WTM Coordinates: 566388, 573503
Coordinates were obtained from the WDNR's GIS website interactive map on an aerial photo at a scale of 1:3839.

Location Map of Site at a scale of 1"=2000': Attached

Site Map Showing Locations of Monitoring Wells, Approximate Extent of Non-Compliance Groundwater, and Groundwater Flow Direction: Attached

Groundwater Results Tables: Attached

County Parce ID # RH 578-1

DOCUMENT NO.

373228

STATE BAR OF WISCONSIN FORM 3 — 1982
QUIT CLAIM DEED

THIS SPACE RESERVED FOR RECORDING DATA

ONEIDA COUNTY, WIS.
Received for Record the 28th day of December A.D. 19 88 at 1:10 o'clock P M. and Recorded in Vol. 592 of RECORDS on page 819
Thomas H. Leighton
REGISTER OF DEEDS

RETURN TO

M&I Merchants Bank, a Wisconsin Banking Corporation

quit-claims to Dennis A. Huebner and Georgette A. Huebner, husband and wife as survivorship marital property

the following described real estate in Oneida County, State of Wisconsin:

Tax Parcel No: .....

Lot 11 of Block 30 of the Assessor's Replat of the Second Addition to the City of Rhinelander, according to the recorded Plat thereof.

Conveys all right, title and interest in or to a Land Contract recorded August 31, 1979, in Volume 445 of Records on page 349, as Document No. 301923, and Vendee assignment to grantor herein recorded on December 10, 1985 in Volume 535 of Records page 575 as Document No. 345519 and re-recorded on December 20, 1985 in Volume 536 of Records on page 9 as Document No. 345694 in the office of the Register of Deeds for Oneida County, Wisconsin.

FEE
#77.25 (10)
EXEMPT

This is not homestead property.
(is) (is not)

Dated this 27th day of December 19 88

(SEAL) Gene Prei (SEAL)
• Gene Prei, Vice President

(SEAL) Joan Gironomi (SEAL)
• Joan Gironomi, Vice President

AUTHENTICATION

Signature(s) .....

authenticated this .....day of....., 19.....

•.....

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
Attorney Lee R. Krueger
KRUEGER & KRUEGER
P.O. Box 248, Rhinelander, WI 54501
(Signatures may be authenticated or acknowledged. Both are not necessary.)
(PER DESCRIPTION FURNISHED)

ACKNOWLEDGMENT

STATE OF WISCONSIN
Oneida County. } ss.

Personally came before me this .....day of ....., 19..... the above named Gene Prei, Vice President and Joan Gironomi, Vice President

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

Wanda M. Bishop
• Wanda Bishop

Notary Public Oneida County, Wis.
My Commission is permanent. (If not, state expiration date: May 5, 1990)

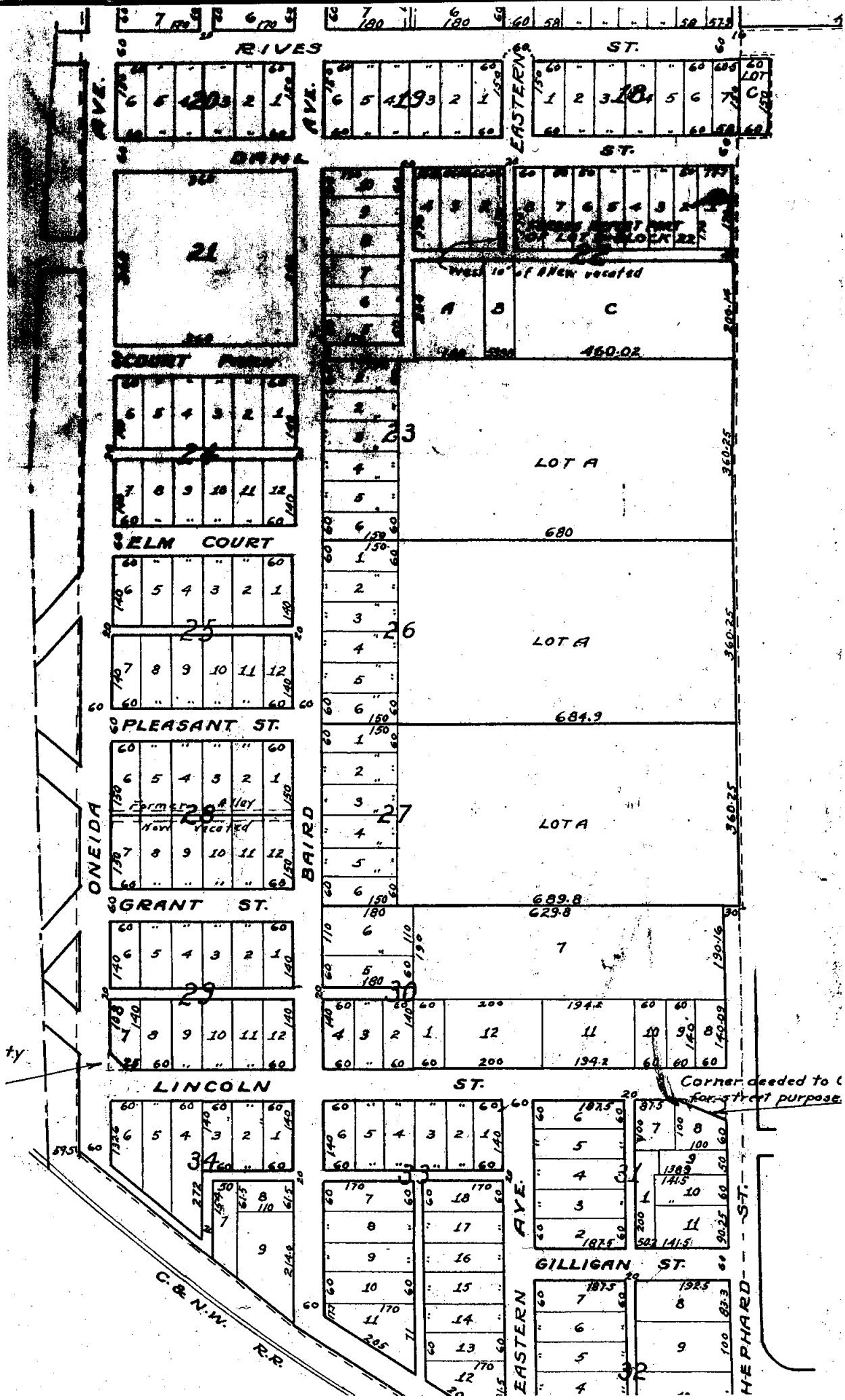
VOL 592 PAGE 819

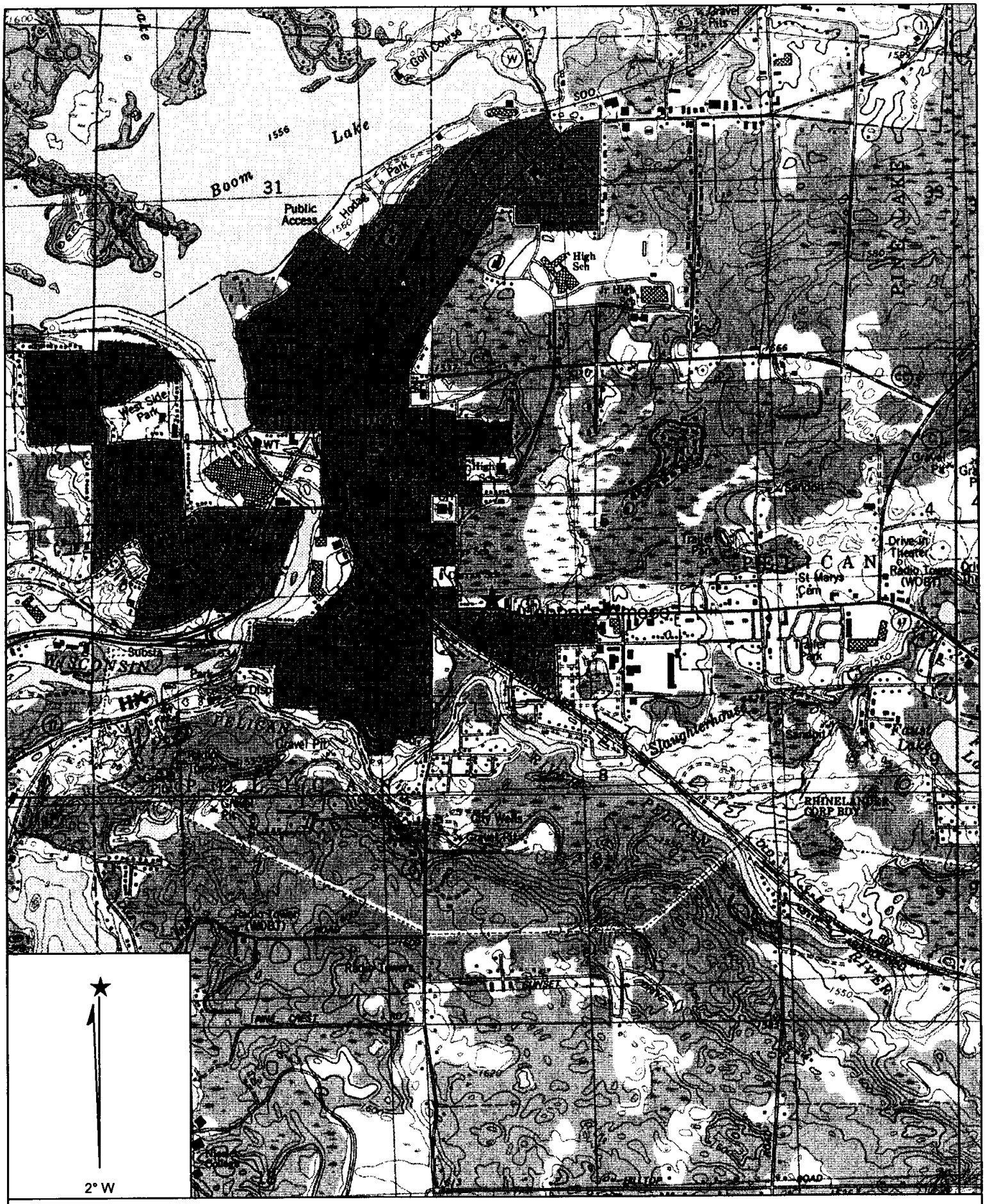
QUIT CLAIM DEED

STATE BAR OF WISCONSIN
FORM No. 3 — 1982

Wisconsin Legal Blank Co. Inc.
Milwaukee, Wis.

FEE $4.00


RIVES ST.
DAHL ST.
COURT
ELM COURT
PLEASANT ST.
GRANT ST.
LINCOLN ST.
GILLIGAN ST.
ONEIDA AVE.
BAIRD AVE.
EASTERN AVE.
HEPHARD ST.
C. & N.W. R.R.
LOT A
LOT A
LOT A
West 10' of A New vacated
Former Alley
New vacated
Corner deeded to C for street purpose
460.02
680
684.9
689.8
629.8
360.25
194.2



Name: RHINELANDER
Date: 12/5/2002
Scale: 1 inch equals 2000 feet

Location: 045° 38' 01.1" N 089° 24' 16.2" W
Caption: Site Location of Huebner's Amoco, Rhinelander

Copyright (C) 1997, Maptech, Inc.

Former Huebner's Amoco

Site Layout

Drawn by BSH | Date 01/03

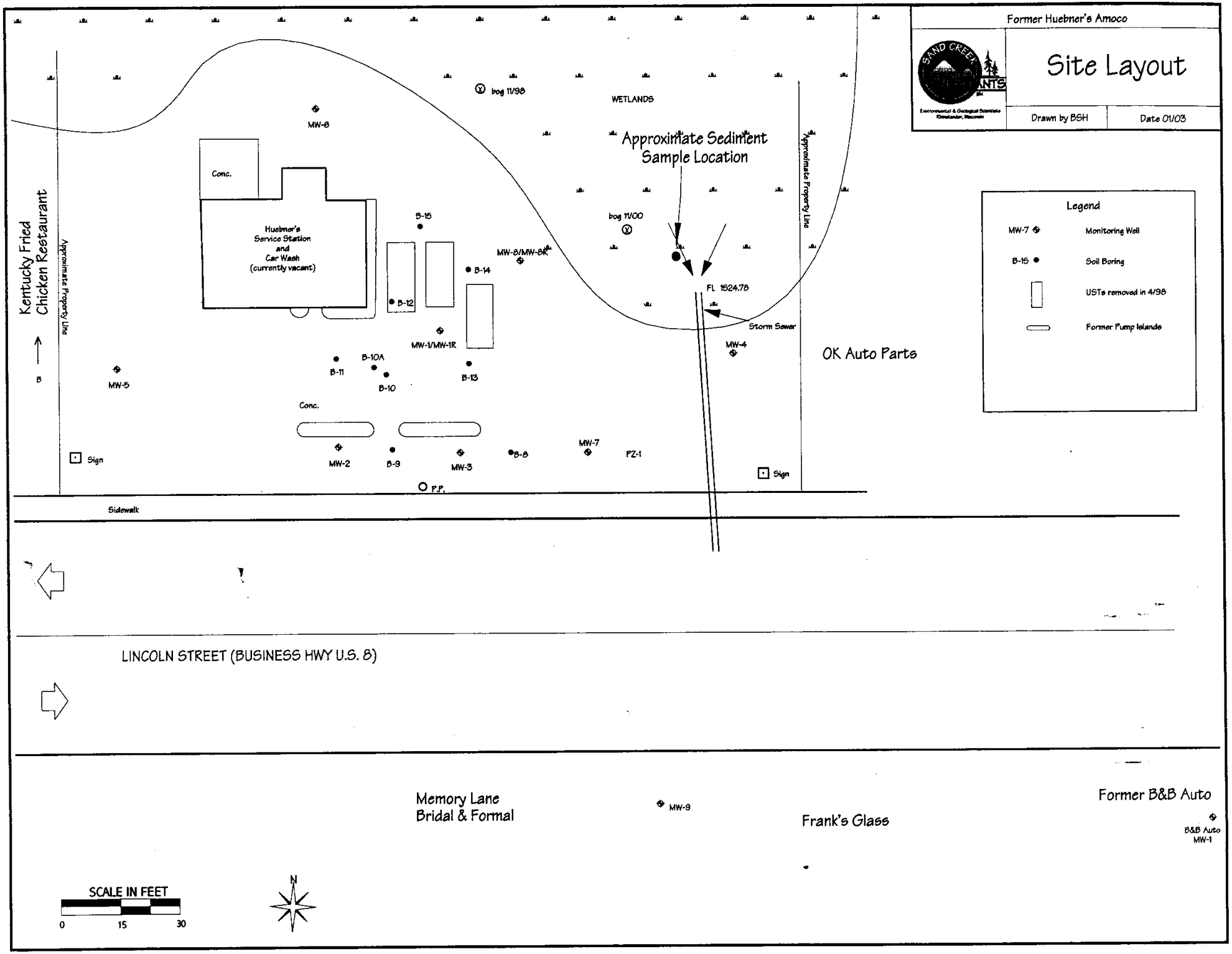


Table 1
Survey and Ground Water Elevation Data
Huebner's Amoco, Rhinelander, WI

Well ID		MW-1/ MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8/ MW-8R	MW-9	PZ-1	BB-1
Ground Elevation		1538.2	1537.9	1537.3	1533.9	1539.5	1538.1	1535.9	1538.1	1534.49	1535.5	1533.3
PVC Elevation		1537.85	1537.51	1536.90	1533.54	1539.13	1537.77	1535.59	1539.38	1534.14	1534.95	1532.86
6/30/98	Depth to GW	12.86	12.77	12.32	9.30	14.17	11.72	11.21	Installed 10/98		10.63	8.84
	GW Elevation	1524.99	1524.74	1524.58	1524.24	1524.96	1526.05	1524.38			1524.32	1524.02
7/7/98	Depth to GW	12.95	12.90	12.46	9.45	14.33	11.96	11.36			10.80	8.98
	GW Elevation	1524.9	1524.61	1524.44	1524.09	1524.8	1525.81	1524.23			1524.15	1523.88
11/23/98	Depth to GW	14.35	13.44	12.97	9.85	14.93	12.75	11.81	16.20		11.22	--
	GW Elevation	1523.5	1524.07	1523.93	1523.69	1524.2	1525.02	1523.78	1523.18		1523.73	--
10/6/99	Depth to GW		13.57	13.10	9.99	15.03	12.91	11.96	16.21		11.36	--
	GW Elevation		1523.94	1523.8	1523.55	1524.1	1524.86	1523.63	1523.17		1523.59	--
Remedial Excavation performed on 10/6/99. MW-1 and MW-8 were lost in the excavation and were replcaed.												
3/22/00	PVC Elevation **	1537.38	1537.51	1536.90	1533.54	1539.13	1537.77	1535.59	1537.25	Installed in August, 2001	1534.95	1532.86
	Depth to GW	13.47	13.57	13.08	9.91	15.04	12.33	11.91	13.15		11.30	--
	GW Elevation	1523.91	1523.94	1523.82	1523.63	1524.09	1525.44	1523.68	1524.10		1523.65	--
7/13/00***	Depth to GW	11.8	11.92	11.38	8.11	13.25	10.45	10.20	11.45		9.53	--
	GW Elevation	1525.58	1525.59	1525.52	1525.43	1525.88	1527.32	1525.39	1525.80		1525.42	--
11/2/00	Depth to GW	13.14	13.16	12.40	9.60	14.47	12.36	11.58	12.87		10.98	10.07
	GW Elevation	1524.24	1524.35	1524.50	1523.94	1524.66	1525.41	1524.01	1524.38		1523.97	1522.79
2/14/01	Depth to GW	13.5	13.61	13.15	Note 1	15.05	12.84	11.96	13.28		11.35	--
	GW Elevation	1523.88	1523.9	1523.75	--	1524.08	1524.93	1523.63	1523.97		1523.6	--
8/2/01	Depth to GW	9.6	13.05	12.61	9.54	14.5	12.02	11.48	12.66		10.89	9.6
	GW Elevation	1527.78	1524.46	1524.29	1524	1524.63	1525.75	1524.11	1524.59		1524.06	1523.26
8/20/01	Depth to GW	--	--	--	--	--	--	--	--	10.01	--	--
	GW Elevation	--	--	--	--	--	--	--	--	1524.13	--	--
10/23/01	Depth to GW	12.95	13.04	12.59	9.62	14.38	12.11	11.45	12.65	9.70	10.81	--
	GW Elevation	1524.43	1524.47	1524.31	1523.92	1524.75	1525.66	1524.14	1524.6	1524.44	1524.14	--
11/2/01	Depth to GW	13.01	13.11	12.65	10.55	14.43	12.10	11.54	12.72	9.90	10.92	9.04
	GW Elevation	1524.37	1524.4	1524.25	1522.99	1524.7	1525.67	1524.05	1524.53	1524.24	1524.03	1523.82
2/11/02	Depth to GW	13.19	Frozen	Frozen	9.63	14.63	12.42	11.63	12.91	9.85	11.06	Note 2
	GW Elevation	1524.19	--	--	1523.91	1524.5	1525.35	1523.96	1524.34	1524.29	1523.89	--

Table 1 (continued)
Survey and Ground Water Elevation Data
Huebner's Amoco, Rhinelander, WI

Well ID		MW-1/ MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8/ MW-8R	MW-9	PZ-1	BB-1
Ground Elevation		1538.2	1537.9	1537.3	1533.9	1539.5	1538.1	1535.9	1538.1	1534.49	1535.5	1533.3
PVC Elevation		1537.38	1537.51	1536.90	1533.54	1539.13	1537.77	1535.59	1537.25	1534.14	1534.95	1532.86
5/28/02	Depth to GW	12.18	12.24	11.83	8.84	12.46	11.39	10.80	11.92	8.90	10.19	8.12
	GW Elevation	1525.2	1525.27	1525.07	1524.7	1526.67	1526.38	1524.79	1525.33	1525.24	1524.76	1524.74
5/29/02	Depth to GW	12.10	12.16	11.75	8.76	13.23	11.37	10.69	11.82	8.70	10.11	--
	GW Elevation	1525.28	1525.35	1525.15	1524.78	1525.9	1526.4	1524.9	1525.43	1525.44	1524.84	--
8/22/02	Depth to GW	12.65	--	--	--	--	--	--	--	--	--	--
	GW Elevation	1524.73	--	--	--	--	--	--	--	--	--	--
11/5/02	Depth to GW	12.34	12.41	11.98	8.98	12.82	11.62	10.90	12.06	9.12	10.28	--
	GW Elevation	1525.04	1525.1	1524.92	1524.56	1526.31	1526.15	1524.69	1525.19	1525.02	1524.67	--
Maximum elevation measured		1527.78	1525.59	1525.52	1525.43	1526.67	1527.32	1525.39	1525.80	1525.44	1525.42	1524.74
Minimum elevation measured		1523.88	1523.9	1523.75	1522.99	1524.08	1524.86	1523.63	1523.97	1524.13	1523.59	1522.79
? elevations		3.9	1.69	1.77	2.44	2.59	2.46	1.76	1.83	1.31	1.83	1.95

Elevation of base of culvert that drains the swamp across Lincoln Street is 1,524.78 MSL. This elevation must then be the maximum water elevation of the swamp.

Elevation of southeast corner of building slab is 1541.00.

Note: MW-1 had free product (gas) measured at up to 12 inches during each sample round prior to excavation, and thus the water levels from this well are not reliable for potentiometric surface mapping prior to remediation.

**: MW-1 and MW-8 were lost in the excavation on 10/6/99 and were replaced later. These are the new PVC elevations for MW-1R and MW-8R.

*** On 7/8/00, the Rhinelander area received approximately 7" of rain in a 24 hour period.

1. MW-4 was inaccessible due to large snow bank.
2. BB-MW1 was buried under a snowbank.

MW-9 was surveyed on 8/20/01 and was tied to MW-7.

Table 2
Pre-Remedial Soil Lab Data for Monitoring Wells
Huebner's Amoco, Rhinelander

EXPLANATION

--	Analyzed but not detected
NA	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard

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
Depth below ground (ft)	10'	13.5'	9'	13'	6'	12.5'	4'	8'	6'	10'	13'	
Date Sampled	*JUNE 1998*											
Analyte												
GRO (mg/Kg)	NA	**192**	NA	--	--	**610**	11.7	--	--	--	--	100
Lead (mg/Kg)	NA	1.69	NA									
Cadmium (mg/Kg)	NA	--										
VOCs (in ug/kg)	*Only detected compounds are shown*											
Benzene	**<1,106**	**1,184**	NA	<28	<28	**<4,657**	**39**	<42	<26	<27	<29	5.5
Toluene	**30,243**	**17,072**	NA	48	--	--	83	--	--	--	--	1,500
Ethylbenzene	**16,670**	**5,741**	NA	30	76	--	38	--	--	--	--	2,900
Total Xylenes	**154,956**	**37,730**	NA	--	308	**14,003**	336	--	--	--	--	4,100
M/P Xylene	110,343	27,290	NA	--	241	9,150	182	--	--	--	--	
O-Xylene/Styrene	44,613	10,440	NA	--	67	4,853	154	--	--	--	--	
1,3,5-TMB	18,750	3,556	NA	--	--	12,829	564	--	--	--	--	
1,2,4-TMB	65,996	13,169	NA	--	237	42,398	921	--	--	--	--	
MTBE	<1106	<230	NA	--	--	<4657	--	--	--	--	--	
sec-Butylbnezene	1,326	NA				--	NA					
n-Butylbenzene	19,513					34237						
Isopropylbenzene	2,008					--						
Naphthalene	**5,884**					**6437**						
n-Propylbenzene	7,340					7641						
Isopropyl Ether	2,008					--						
Soil Bio Analysis												
Amm Nitrogen (mg/kg)	19.5	NA	9.51	NA								
Tot Kjeldahl Nit. (mg/kg)	102		76.4									
Orthophosphase (mg/kg)	0.338		--									
Soluble Sulfate (mg/kg)	--		--									
Sol. Manganese (mg/kg)	0.14		0.03									
Heterotrophic Count-Soil	24,000,000		150,000									
Petroleum Degraders	28000		100									
% Degraders	0.1		.070									
Total Organic Carbon	4280		1630									

Table 2 (continued)
Pre-Remedial Soil Lab Data for Monitoring Wells
Huebner's Amoco, Rhinelander

EXPLANATION

--	Analyzed but not detected
NA	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard

Boring Number	MW-6			MW-7			MW-8		PZ-1			MW-9			NR 720 Soil Clean-up Standards for soil with K> 10^{-6} cm/sec
Depth below ground (ft)	4'	10'	13.5'	8'	12'	14'	14'	18'	6'	7'	9.5'	4'	12'	19'	
Date Sampled	*JUNE 1998*											*August 2001*			
Analyte															
GRO (mg/Kg)	--	--	--	--	--	--	**2,960**	42	--	NA	7.43	--	--	--	100
VOCs (in ug/kg)															
Benzene	<31	<28	<28	<26	<29	<29	**2,605**	83	<27	NA	**126**	--	--	--	5.5
Toluene	--	--	--	--	--	--	**8,512**	166	--		51	--	--	--	1,500
Ethylbenzene	--	--	--	--	--	33	**15,913**	178	29		66	--	--	--	2,900
Total Xylenes	--	--	--	--	--	30	**79,182**	1,022	--		328	--	--	--	4,100
M/P Xylene	--	--	--	--	--	30	62,656	771	--		241	--	--	--	
O-Xylene/Styrene	--	--	--	--	--	--	16,526	251	--		87	--	--	--	
1,3,5-TMB	--	--	--	--	--	--	**40,481**	434	--		70	--	--	--	
1,2,4-TMB	--	--	--	--	--	--	**123,630**	1,318	--		253	--	--	--	
MTBE	--	--	--	--	--	--	<2404	<29	--		--	--	--	--	
Soil Bio Analysis															
Amm Nitrogen (mg/kg)	NA									37.3	NA				
Tot Kjeldahl Nit. (mg/kg)										362					
Orthophosphase (mg/kg)										--					
Soluble Sulfate (mg/kg)										30.1					
Sol. Manganese (mg/kg)										0.03					
Heterotrophic Count-Soil										57000					
Petroleum Degraders										600					
% Degraders										1					
Total Organic Carbon										13100					

Table 3
Pre-Remedial Soil Lab Data for Soil Borings
Huebner's Amoco, Rhinelander

EXPLANATION	
--	Analyzed but not detected
NA	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard

Boring Number	B-8			B-9					B-10				B-11				NR 720 Soil Clean-up Standards for soil with K> 10^{-6} cm/sec
Depth below ground (ft)	4'	5'	11.5'	4'	5'	8'	10'	12'	4'	6'	10'	13'	4'	8'	12'	13.5'	
Date Sampled	*JUNE 1998*																
Analyte																	
GRO (mg/Kg)	--	--	18.7	--	--	--	--	--	--	5.66	--	**1340**	--	--	49	--	100
VOCs (in ug/kg)																	
Benzene	<27	--	<29	<27	--	<27	<26	<29	<26	**141**	<26	**709**	<27	<27	**46**	<29	5.5
Toluene	--	--	64	--	--	--	--	--	--	215	--	**7,207**	--	--	361	--	1,500
Ethylbenzene	--	--	70	34	--	--	--	29	33	181	--	**12,138**	--	64	708	48	2,900
Total Xylenes	27	--	115	38	--	--	--	--	70	1,123	--	**68,081**	--	125	**4,365**	83	4,100
M/P Xylene	27	--	115	38	--	--	--	--	70	945	--	51,414	--	125	3,440	83	
O-Xylene/Styrene	--	--	--	--	--	--	--	--	--	178	--	16,667	--	--	925	--	
1,3,5-TMB	--	--	67	--	--	--	--	--	47	225	--	**22,724**	--	157	1,430	--	
1,2,4-TMB	66	--	51	--	--	-	--	--	--	514	--	76,920	--	286	5,590	107	
MTBE	--	--	--	--	--	56	--	--	--	--	--	--	--	--	--	--	
Soil Bio Analysis																	
Amm Nitrogen (mg/kg)	NA	12.9	NA														
Tot Kjeldahl Nit. (mg/kg)		110															
Orthophosphase (mg/kg)		--															
Soluble Sulfate (mg/kg)		16.8															
Sol. Manganese (mg/kg)		0.03															
Heterotrophic Count-Soil		1,080,000															
Petroleum Degraders		6100															
% Degraders		0.6															
Total Organic Carbon		2630															

Table 3 (continued)
Pre-Remedial Soil Lab Data for Soil Borings
Huebner's Amoco, Rhinelander

EXPLANATION	
--	Analyzed but not detected
NA	Not analyzed
<10	Not detected w/method detection limit > clean-up standard
35	Exceeds NR 720 Clean-up Standard

Boring Number	B-12				B-13			B-14			B-15			NR 720 Soil Clean-up Standards for soil with K> 10^{-6} cm/sec
Depth below ground (ft)	8'	10'	12'	13.5'	5'	8'	12'	8'	10'	13.5'	8'	12'	13.5'	
Date Sampled	*JUNE 1998*													
Analyte														
GRO (mg/Kg)	13	**2,370**	**1,840**	**1450**	--	--	**4,260**	13.4	**1,550**	**7820**	5.52	18.8	**607**	100
VOCs (in ug/kg)														
Benzene	<27	**3,405**	**611**	**2,219**	<26	--	**<4691**	<26	**<1060**	**21,549**	<27	<26	**<439**	5.5
Toluene	--	**11,700**	**13,500**	**11,704**	--	--	**41,237**	46	**5,180**	**291,893**	--	128	**6,330**	1,500
Ethylbenzene	36	**3,014**	**3,290**	**6,630**	--	--	**68,808**	36	**4,850**	**129,642**	66	35	**4,946**	2,900
Total Xylenes	96	**45,500**	**35,100**	**52,391**	29	--	**482,209**	300	**137,600**	**840,777**	218	395	**28,252**	4,100
M/P Xylene	69	25,000	23,700	38,074	29	--	368,279	232	91,800	615,813	174	168	22,250	
O-Xylene/Styrene	27	20,500	11,400	14,317	--	--	113,930	68	45,800	224,964	44	227	6,002	
1,3,5-TMB	42	**55,100**	**28,600**	**25,767**	--	--	**87,987**	120	**44,100**	**103,417**	74	464	**13,633**	
1,2,4-TMB	107	**133,000**	76,100	**96,265**	--	--	**344,078**	363	**130,000**	**373,113**	228	268	37,344	--
MTBE	--	<2,205	<424	<2116	--	--	<4691	--	<1,060	<11,390	--	--	--	

Ground Water Monitoring Summary

Well Name (s)	MW-1& MW-1R
	(MW-1R installed following the remedial excavation)
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelander
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	Aug-02	Nov-02	PAL	ES
GRO	82,300	75,400	79,000	24,000	26,000	21,000	24,000	28,000	21,000	21000	21,000	12,000	11,000	None	None
DRO	33,600	na	na	na	na	na	na	na	na	na	na	na	na	None	None
Lead	ND	na	na	na	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	**1,270**	**1,780**	**1,200**	**870**	**1,200**	**440**	**590**	**330**	**350**	**290**	**120**	**170**	**250**	0.5	5
Toluene	**29,500**	**26,800**	**20,000**	*570*	**1,800**	*360*	*840*	160	180	*250*	86	ND	70	200	1,000
Ethylbenzene	**4,030**	**4,020**	**3,500**	1,600	2,200	1,700	2,400	2,700	2,400	2600	2,500	1,400	1,300	140	700
Total Xylenes (calculated)	**23,310**	**23,630**	**20,500**	*7,800*	*9,800*	*5,810*	*9,000*	10,190	8,020	8980	8,370	4,250	2,320	1,000	10,000
M/P Xylene	16,200	16,200	14,000	5,600	7,700	5,200	7,800	9,800	7,500	8800	8,000	4,100	2,200	None	None
Styrene / O-xylene	**7,110**	**7,430**	**6,500**	**2,200**	**2,100**	**610**	**1,200**	**390**	**520**	**180**	**370**	**150**	**120**	10	100
MTBE	<1000	<200	**120**	ND	*40*	ND	<80	ND	ND	<80	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	3,750	3,410	2,800	1,800	2,100	1,600	2,200	3,000	2,500	2800	3,300	2,200	2,300	None	None
1,3,5 Trimethylbenzene	1,020	901	850	600	610	490	680	910	720	780	960	590	660	None	None
Total Trimethylbenzenes	**4,770**	**4,311**	**3,650**	**2,400**	**2,710**	**2,090**	**2,880**	**3,910**	**3,220**	**3580**	**4,260**	**2,790**	**2,960**	96	480
Naphthalene	<1000	na	na	na	na	**230**	**320**	na	na	na	na	na	**560**	8	40
PAHs															
2-Methylnaphthalene	313	na	na	na	na	na	na	na	na	na	na	na	na	None	None
Naphthalene	**895**	na	na	na	na	na	na	na	na	na	na	na	na	8	40

Ground Water Monitoring Summary

Well Name (s)	MW-2
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelander
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	89	128	100	130	60	98	73	140	84	Frozen	ND	None	None
Benzene	**48.4**	**41.5**	**42**	**23**	**25**	**41**	**41**	**48**	**43**		*0.61*	0.5	5
Toluene	ND	ND	0.7	1.2	ND	ND	ND	ND	ND		ND	200	1,000
Ethylbenzene	ND	ND	ND	5.1	0.76	0.82	0.83	2	0.59		ND	140	700
Total Xylenes (calculated	3.76	ND	1.4	23.8	0.55	1.1	ND	3.02	ND		ND	1,000	10,000
M/P Xylene	2.4	ND	1.4	18	ND	1.1	ND	2.1	ND		ND	None	None
Styrene / O-xylene	1.36	ND	ND	5.8	0.55	ND	ND	0.92	ND		ND	10	100
MTBE	ND	ND	1.3	1	0.94	1.4	1.1	0.5	0.63		ND	12	60
1,2,4 Trimethylbenzene	1.97	ND	0.7	6.5	0.52	0.87	ND	1.6	0.7		ND	None	None
1,3,5 Trimethylbenzene	ND	ND	0.5	2.1	ND	ND	ND	ND	ND		ND	None	None
Total Trimethylbenzenes	1.97	ND	1.2	8.6	0.52	0.87	ND	1.6	0.70		ND	96	480
Naphthalene	ND	na	na	na	na	ND	ND	na	na		na	8	40

Ground Water Monitoring Summary

Well Name (s)	MW-3
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelander
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	7930	471	770	370	3700	660	130	340	97	Frozen	120	None	None
Benzene	**183**	**71.3**	**70**	**69**	**60**	**62**	**60**	**85**	**37**		7	0.5	5
Toluene	*230*	3.89	17	1.6	19	0.75	ND	ND	ND		ND	200	1,000
Ethylbenzene	*330*	28.1	42	12	110	18	1.1	0.9	ND		ND	140	700
Total Xylenes (calculated	*1542*	70.85	126	26.7	333	36.2	ND	8.29	1.70		ND	1,000	10,000
M/P Xylene	1070	67.1	93	24	240	35	ND	7.8	1.70		ND	None	None
Styrene / O-xylene	**472**	3.75	*33*	2.7	*93*	1.2	ND	0.49	ND		ND	10	100
MTBE	ND	ND	3.4	3.4	ND	2.8	2.5	2.3	1		ND	12	60
1,2,4 Trimethylbenzene	1220	47.7	64	26	700	46	0.42	23	ND		7.3	None	None
1,3,5 Trimethylbenzene	298	15.1	25	6.8	210	21	0.49	0.96	ND		ND	None	None
Total Trimethylbenzenes	**1518**	62.8	89	32.8	**910**	67	0.91	23.96	ND		7.3	96	480
Naphthalene	**351**	na	na	na	na	*13*	3.6	na	na		na	8	40
n-Butylbenzene	225	na	na	na	na	na	na	na	na		na	None	None
n-Propylbenzene	127	na	na	na	na	na	na	na	na		na	None	None

Ground Water Monitoring Summary

Well Name (s)	**MW-4**
Site Name, City	**Huebner's Amoco, 507 Lincoln Street, Rhinelander**
BRRTS / PECFA	**03-44-185490/54501-3537-07**
Table Units	**ug/l (ppb)**
Path	G:\z 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
100	Exceeds NR 140 by this factor

Remedial Event #1 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	333	659	1400	1100	770	540	Buried under snowbank	310	280	330	270	None	None
Benzene	**9.01**	**30.5**	**40**	**41**	**28**	**16**		**7.6**	**9.1**	**8.2**	**7.5**	0.5	5
Toluene	5.07	22	ND	ND	ND	0.46		ND	ND	ND	ND	200	1,000
Ethylbenzene	5.82	37.5	*180*	79	40	4.5		ND	ND	ND	ND	140	700
Total Xylenes (calculated)	78.4	211.6	223.5	184	123.9	38.77		14.56	9.69	11.20	9.1	1,000	10,000
M/P Xylene	56.4	156	220	170	120	38		14	8.8	9.7	7.9	None	None
Styrene / O-xylene	*22*	*55.6*	3.5	*14*	3.9	0.77		0.56	0.89	1.50	1.2	10	100
MTBE	ND	ND	4.5	ND	3.5	3.4		0.72	0.99	1.10	1.1	12	60
1,2,4 Trimethylbenzene	30.5	53.8	150	130	97	9.7		10	9.3	16.0	15	None	None
1,3,5 Trimethylbenzene	6.2	12.2	34	34	18	16		0.84	0.57	1.40	1.2	None	None
Total Trimethylbenzenes	36.7	66	*184*	*164*	*115*	25.7		10.84	9.87	17.40	16.2	96	480
Naphthalene	5.84	na	na	na	na	*9.8*		na	na	na	na	8	40
n-Propylbenzene	6.37	na	na	na	na	na		na	na	na	na	None	None

Ground Water Monitoring Summary

Well Name (s)	MW-5
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelande
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None	None
Lead	ND	na	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
Toluene	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	200	1,000
Ethylbenzene	ND	ND	ND	0.69	ND	ND	ND	ND	ND	ND	ND	140	700
Total Xylenes (calculated	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	1,000	10,000
M/P Xylene	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	None	None
Styrene / O-xylene	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	0.72	ND	ND	ND	ND	ND	ND	ND	None	None
Total Trimethylbenzenes	ND	ND	ND	1.82	ND	ND	ND	ND	ND	ND	ND	96	480
Naphthalene	ND	na	na	na	na	ND	ND	na	na	na	na	8	40

Ground Water Monitoring Summary

Well Name (s)	**MW-6**
Site Name, City	**Huebner's Amoco, 507 Lincoln Street, Rhinelande**
BRRTS / PECFA	**03-44-185490/54501-3537-07**
Table Units	**ug/l (ppb)**
Path	G:\z 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
Removal of Leaking USTs in 1998

Remedial Event #2
Excavation of Hot-Spot soil contamination in October 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	ND	ND	ND	19	29	65	28	77	170	38	31	None	None
Lead	ND	na	na	na	na	na	na	na	na	na	na	15	1.5
Benzene	*2.85*	ND	0.4	*0.72*	ND	*0.66*	ND	ND	*0.58*	ND	ND	0.5	5
Toluene	2.93	ND	ND	0.54	ND	ND	ND	ND	0.38	ND	ND	200	1,000
Ethylbenzene	3.94	ND	0.8	1.5	0.56	0.6	ND	3.7	4.30	ND	0.47	140	700
Total Xylenes	6.96	ND	0.8	2.59	1.1	2.3	ND	4.2	10.6	2.34	ND	1,000	10,000
m & p-Xylene	3.94	ND	ND	1.9	1.1	1.1	ND	1.9	6.50	1.70	ND	None	None
o-Xylene	3.02	ND	ND	0.69	ND	1.2	ND	2.3	4.1	0.64	ND	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	60
1,2,4-Trimethylbenzene	3.79	ND	1.2	3.1	2.5	9.1	4.7	12	29	7.7	4.1	None	None
1,3,5-Trimethylbenzene	ND	ND	ND	0.77	ND	0.87	ND	ND	ND	ND	ND	None	None
Total Trimethylbenzenes	3.79	ND	1.2	3.87	2.5	9.97	4.7	12	29	7.7	4.1	96	480
Naphthalene	1.29	na	na	na	na	3.9	1.8	na	na	na	na	8	40

Ground Water Monitoring Summary

Well Name (s)	MW-7
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelande
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO		1390	710	3700	2100	1300	2600	940	780	2900	ND	None	None
Benzene	**36**	**88.7**	**70**	**280**	**150**	**93**	**190**	**86**	**78**	**190**	*0.76*	0.5	5
Toluene	ND	31.1	5.8	54	15	8.5	15	13	6.4	ND	ND	200	1,000
Ethylbenzene	7.42	118	34	*220*	130	82	*230*	77	71	*290*	ND	140	700
Total Xylenes (calculated	15.18	324.7	110	*1,040*	680	331	940	193	247	864	ND	1,000	10,000
M/P Xylene	12.3	273	92	830	560	260	740	180	200	800	ND	None	None
Styrene / O-xylene	2.88	*51.7*	*18*	**210**	**120**	*71*	**200**	*13*	*47*	*64*	ND	10	100
MTBE	1.94	ND	4.6	*23*	*12*	5.8	8.2	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	5.56	108	39	270	210	84	220	72	55	300	ND	None	None
1,3,5 Trimethylbenzene	1.13	27.4	12	80	53	23	57	18	15	82	ND	None	None
Total Trimethylbenzenes	6.69	*135.4*	51	*350*	*263*	*107*	*277*	90	70	*382*	ND	96	480
Naphthalene	ND	na	na	na	na	*30*	**100**	na	na	na	na	8	40
n-Butylbenzene	1.61	na	na	na	na	na	na	na	na	na	na	None	None

Ground Water Monitoring Summary

Well Name (s)	MW-8 & MW-8R
	(MW-8R installed following the remedial excavation
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelander
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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
Removal of Leaking USTs in 1998

Remedial Event #2
Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	26,400	20,600	22,000	290	34	61	130	45	31	93	ND	None	None
Benzene	**892**	**200**	**380**	**25**	**6.3**	**6.5**	**14**	**11**	*4.4*	**29.0**	*1.1*	0.5	5
Toluene	**1,040**	**1,400**	**1,100**	0.61	ND	ND	ND	ND	ND	ND	ND	200	1,000
Ethylbenzene	**1,970**	**1,840**	**1,200**	4.6	ND	ND	ND	ND	ND	ND	ND	140	700
Total Xylenes (calculated	**11,680**	**10,050**	*6,600*	10.2	ND	0.74	1.5	ND	ND	ND	ND	1,000	10,000
M/P Xylene	8,480	6,950	4,800	8.5	ND	0.74	1.5	ND	ND	ND	ND	None	None
Styrene / O-xylene	**3,200**	**3,100**	**1,800**	1.7	ND	ND	ND	ND	ND	ND	ND	10	100
MTBE	<200	<100	ND	0.98	0.31	0.42	0.91	ND	ND	0.92	ND	12	60
1,2,4 Trimethylbenzene	2,440	2,220	2,000	23	0.68	2.2	5.5	ND	ND	0.69	ND	None	None
1,3,5 Trimethylbenzene	633	658	650	9.8	ND	ND	0.64	ND	ND	ND	ND	None	None
Total Trimethylbenzenes	**3,073**	**2,878**	**2,650**	32.8	0.68	2.2	6.14	ND	ND	0.69	ND	96	480
Naphthalene	**222**	na	na	na	na	ND	ND	na	na	na	na	8	40
n-Butylbenzene	292	na	na	na	na	na	na	na	na	na	na	None	None
n-Propylbenzene	318	na	na	na	na	na	na	na	na	na	na	None	None

Ground Water Monitoring Summary

Well Name (s)	MW-9
	(installed in August, 2001)
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelande
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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
Removal of Leaking USTs in 1998

Remedial Event #2
Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	ND	ND	ND	ND	None	None
Benzene	ND	ND	ND	ND	0.5	5
Toluene	0.25	ND	ND	ND	200	1,000
Ethylbenzene	ND	ND	ND	ND	140	700
Total Xylenes (calculated	ND	ND	ND	ND	1,000	10,000
M/P Xylene	ND	ND	ND	ND	None	None
Styrene / O-xylene	ND	ND	ND	ND	10	100
MTBE	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	96	480
Naphthalene	ND	na	na	na	8	40
sec-Butylbenzene	0.41	na	na	na	None	None

Ground Water Monitoring Summary

Well Name (s)	PZ-1
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelande
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	None	None
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	1,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	700
Total Xylenes (calculated	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	10,000
M/P Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None	None
Styrene / O-xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	100
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None	None
Total Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	480
Naphthalene	ND	na	na	na	na	ND	ND	na	na	na	na	8	40

Ground Water Monitoring Summary

Well Name (s)	BB MW-1
Site Name, City	Huebner's Amoco, 507 Lincoln Street, Rhinelande
BRRTS / PECFA	03-44-185490/54501-3537-07
Table Units	ug/l (ppb)
Path	G:\z 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 Removal of Leaking USTs in 1998

Remedial Event #2 Excavation of Hot-Spot soil contamination in Oct. 1999

Remedial Event #3: Natural Attenuation Monitoring (ongoing)

MONTH / YEAR SAMPLED	Jul-98	Nov-00	Aug-01	Nov-01	Feb-02	May-02	PAL	ES
GRO	ND	ND	ND	ND	Buried under snowbank	ND	None	None
Benzene	ND	ND	ND	ND		ND	0.5	5
Toluene	ND	ND	ND	ND		ND	200	1,000
Ethylbenzene	ND	ND	ND	ND		ND	140	700
Total Xylenes (calculated	ND	ND	ND	ND		ND	1,000	10,000
M/P Xylene	ND	ND	ND	ND		ND	None	None
Styrene / O-xylene	ND	ND	ND	ND		ND	10	100
MTBE	ND	ND	ND	ND		ND	12	60
1,2,4 Trimethylbenzene	ND	ND	ND	ND		ND	None	None
1,3,5 Trimethylbenzene	ND	ND	ND	ND		ND	None	None
Total Trimethylbenzenes	ND	ND	ND	ND		ND	96	480
Naphthalene	ND	ND	na	na		na	8	40
							None	None

Natural Attenuation Parameters
Huebner's Amoco

MW-1/MW-1R

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	12.1	13.7		7.7	11.9	13.8	8.9	13.2	13.9		
Dissolved Oxygen (mg/L)	0.3	0.2		0.24	1.65	0.1	0.15	0.12	0.18		
Conductivity (uS/cm)	1562	1564		1706	1771	1594	1525	1533	1499		
Salinity (ppt)	0.8	0.8		0.9	0.9	0.8	0.8	0.8	0.8		
Nitrate (mg/L)	0.327						0.04				
Sulfate (mg/L)	19.6						0.68				
Dissolved Iron (ug/L)	29500						31700				
Methane (ug/L)	2620						360				

MW-2

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	10.8	13.2	13.9	9.3	11	13.1	10.2	11.5	13.1		
Dissolved Oxygen (mg/L)	0.27	0.31	0.26	0.42	0.36	0.19	0.4	0.12	0.22		
Conductivity (uS/cm)	2686	2550	2732	2461	1867	1594	2324	2283	2401		
Salinity (ppt)	1.4	1.3	1.4	1.3	1	0.8	1.2	1.2	1.2		
Nitrate (mg/L)	nd						0.06				
Sulfate (mg/L)	18.1						16				
Dissolved Iron (ug/L)	7240						12900				
Methane (ug/L)	4350						1800				

MW-3

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	10.7	12.7	13.4	8.8	12.4	12.9	9.6	11.2	13		
Dissolved Oxygen (mg/L)	0.28	0.39	0.17	0.33	0.37	0.16	0.28	0.09	0.22		
Conductivity (uS/cm)	1418	1150	1327	1433	1056	1428	1329	1566	1457		
Salinity (ppt)	0.7	0.6	0.7	0.7	0.5	0.7	0.7	0.8	0.7		
Nitrate (mg/L)	1.98						0.25				
Sulfate (mg/L)	6.76						15				
Dissolved Iron (ug/L)	5220						16800				
Methane (ug/L)	2500						1000				

Natural Attenuation Parameters (continued)
Huebner's Amoco

MW-4

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	9.6	12.3	12.4	8.2	10	11.4		9.7	11.3		
Dissolved Oxygen (mg/L)	0.31	0.37	0.31	0.65	0.75	0.16		0.13	0.2		
Conductivity (uS/cm)	1103	868	1045	1016	931	843		828	834		
Salinity (ppt)	0.6	0.4	0.5	0.5	0.5	0.4		0.4	0.4		
Nitrate (mg/L)	nd										
Sulfate (mg/L)	1.7										
Dissolved Iron (ug/L)	17600										
Methane (ug/L)	5080										

MW-5

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	9.5	12.2	11.8	9.4	12	12.7	10.2	10.5	12.1		
Dissolved Oxygen (mg/L)	0.93	0.42	0.66	2.76	2.5	0.18	0.41	0.58	0.37		
Conductivity (uS/cm)	1252	1035	871	1634	970	1419	1541	1439	1402		
Salinity (ppt)	0.6	0.5	0.4	0.8	0.5	0.7	0.8	0.7	0.7		
Nitrate (mg/L)	nd						0.09				
Sulfate (mg/L)	7.55						25				
Dissolved Iron (ug/L)	1230						5990				
Methane (ug/L)	493						1500				

MW-6

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	11.1	12.8	14.1	6.8	11.5	13	8.1	11.7	13.2		
Dissolved Oxygen (mg/L)	0.36	0.23	0.43	0.51	0.38	0.26	0.17	0.12	0.15		
Conductivity (uS/cm)	1009	1036	1677	1208	856	1028	1186	977	906		
Salinity (ppt)	0.5	0.5	0.9	0.6	0.4	0.5	0.6	0.5	0.4		
Nitrate (mg/L)	nd						0.06				
Sulfate (mg/L)	13.8						110				
Dissolved Iron (ug/L)	978						38900				
Methane (ug/L)	2430						1900				

Natural Attenuation Parameters (continued)
Huebner's Amoco

MW-7

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	12.5	13.5	14.9	8.3	11.9	13.4	10	11.9	13.6		
Dissolved Oxygen (mg/L)	0.39	0.19	0.28	0.41	0.32	0.11	0.22	0.09	0.35		
Conductivity (uS/cm)	2846	1219	1362	1605	1765	1389	1381	2096	1288		
Salinity (ppt)	1.5	0.6	0.7	0.8	0.9	0.7	0.7	1.1	0.6		
Nitrate (mg/L)	5.16						0.04				
Sulfate (mg/L)	27.3						7.7				
Dissolved Iron (ug/L)	313						12900				
Methane (ug/L)	599						1500				

MW-8/MW-8R

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)		12.8		7	11.9	13.2	8.6	10.9	13.6		
Dissolved Oxygen (mg/L)		0.17		0.61	0.88	0.09	0.18	0.08	0.27		
Conductivity (uS/cm)		897		882	807	884	644	866	770		
Salinity (ppt)		0.4		0.4	0.4	0.4	0.3	0.4	0.4		
Nitrate (mg/L)							0.06				
Sulfate (mg/L)							12				
Dissolved Iron (ug/L)							5520				
Methane (ug/L)							1500				

MW-9

Date		Aug-01	Nov-01	Feb-02	May-02					
Water temp (deg C)	Installed in August, 2001	11	12.8							
Dissolved Oxygen (mg/L)		0.1	0.32							
Conductivity (uS/cm)		2150	2640							
Salinity (ppt)		1.1	1.4							
Nitrate (mg/L)										
Sulfate (mg/L)										
Dissolved Iron (ug/L)										
Methane (ug/L)										

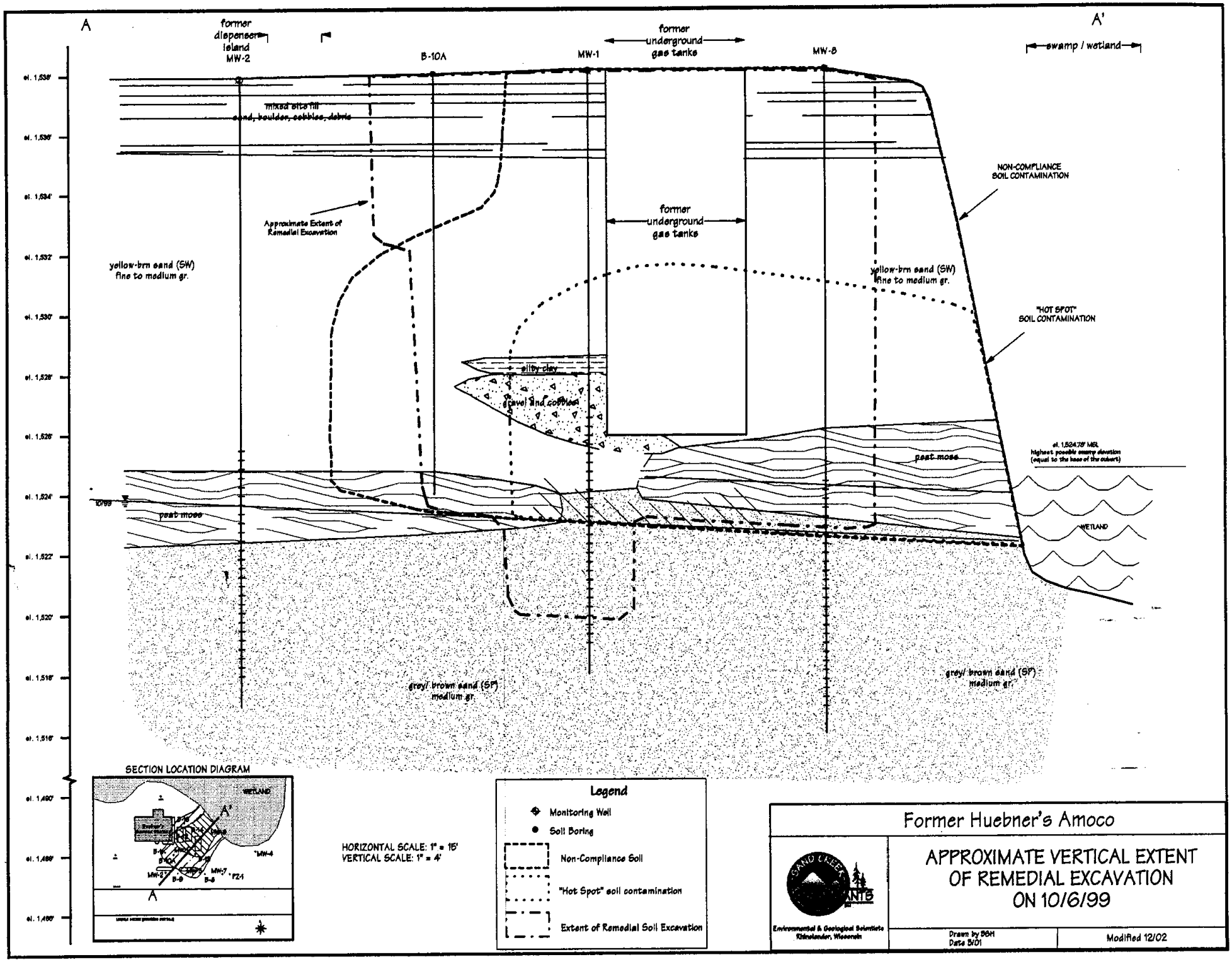
Natural Attenuation Parameters (continued)
Huebner's Amoco

PZ-1

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	11.3	13.3	14.2	8.2	10.6	13.6	9.3	11.9	13.2		
Dissolved Oxygen (mg/L)	10.43	2.27	4.48	8.09	2.34	1.28	5.6	2.22	0.59		
Conductivity (uS/cm)	385.5	711	738	737	711	699	675	744	725		
Salinity (ppt)	0.2	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4		
Nitrate (mg/L)	1.52						5				
Sulfate (mg/L)	35.3						44				
Dissolved Iron (ug/L)	163						nd				
Methane (ug/L)	nd						nd				

BB MW-1

Date	Jul-98	Nov-98	Oct-99	Mar-00	Jul-00	Nov-00	Feb-01	Aug-01	Nov-01	Feb-02	May-02
Water temp (deg C)	11.2					12.5		12	12.8		
Dissolved Oxygen (mg/L)	0.51					2.5		1.41	0.29		
Conductivity (uS/cm)	1387					535		646	1196		
Salinity (ppt)	0.7					0.3		0.3	0.6		
Nitrate (mg/L)	1.63										
Sulfate (mg/L)	27.3										
Dissolved Iron (ug/L)	890										
Methane (ug/L)	11.6										


A
A'
former dispenser island MW-2
B-10A
MW-1
former underground gas tanks
MW-8
swamp / wetland
mixed site fill
sand, boulder, cobbles, debris
Approximate Extent of Remedial Excavation
former underground gas tanks
NON-COMPLIANCE SOIL CONTAMINATION
yellow-brn sand (SW) fine to medium gr.
yellow-brn sand (SW) fine to medium gr.
"HOT SPOT" SOIL CONTAMINATION
silty clay
gravel and cobbles
peat moss
peat moss
WETLAND
grey/ brown sand (SP) medium gr.
grey/ brown sand (SP) medium gr.
el. 1,538'
el. 1,536'
el. 1,534'
el. 1,532'
el. 1,530'
el. 1,528'
el. 1,526'
el. 1,524'
el. 1,522'
el. 1,520'
el. 1,518'
el. 1,516'
el. 1,490'
el. 1,488'
el. 1,486'
SECTION LOCATION DIAGRAM
WETLAND
A'
A
MW-4
MW-7
PZ-1
B-9
B-8
HORIZONTAL SCALE: 1" = 15'
VERTICAL SCALE: 1" = 4'
Legend
Monitoring Well
Soil Boring
Non-Compliance Soil
"Hot Spot" soil contamination
Extent of Remedial Soil Excavation
Former Huebner's Amoco
APPROXIMATE VERTICAL EXTENT OF REMEDIAL EXCAVATION ON 10/6/99
Environmental & Geological Scientists
Rhinelander, Wisconsin
Drawn by BSH
Date 5/01
Modified 12/02

Former Huebner's Amoco

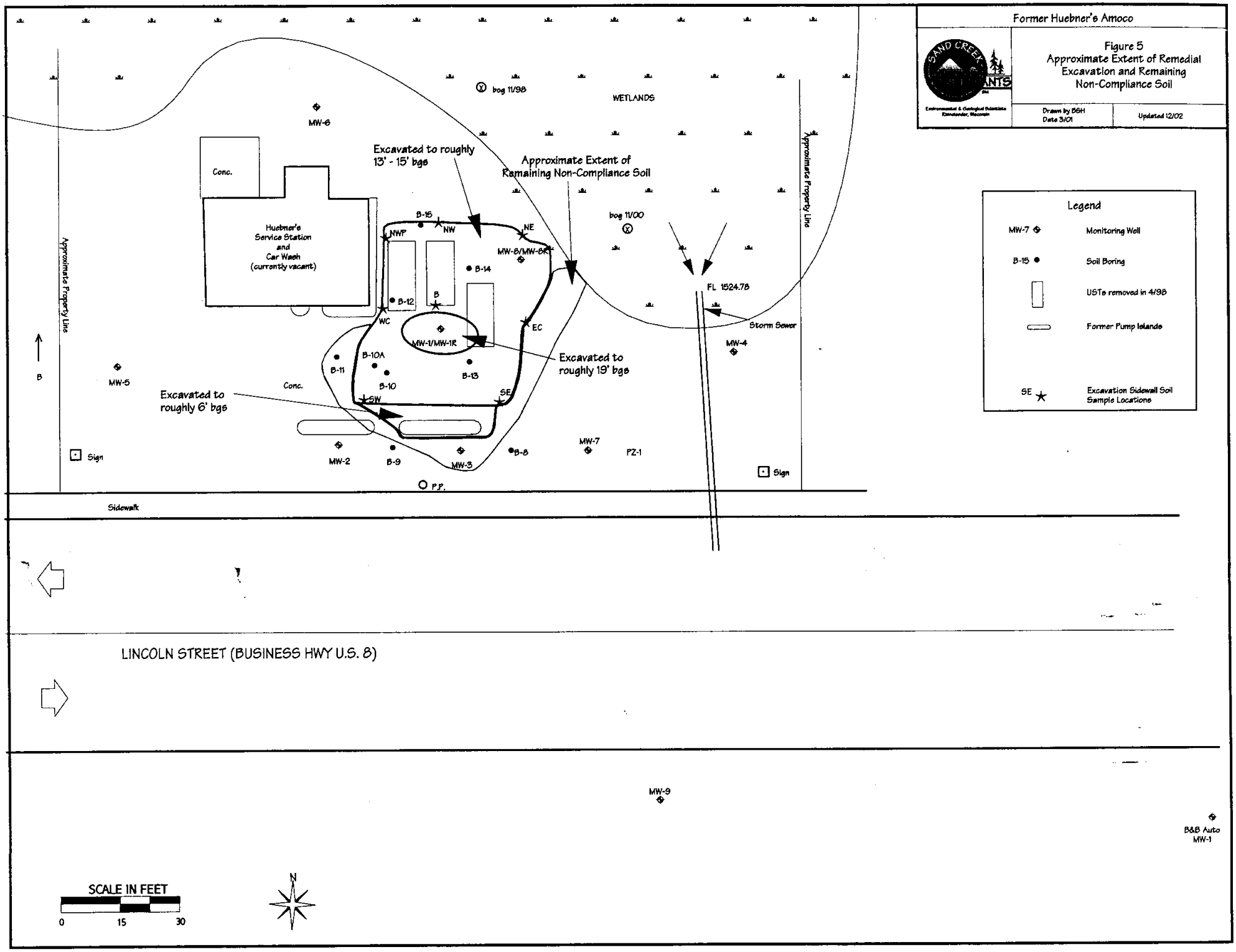
SAND CREEK ANTS

Environmental & Geological Solutions
Kewaunee, Wisconsin

Figure 5
Approximate Extent of Remedial Excavation and Remaining Non-Compliance Soil

Drawn by BBH
Date 3/01

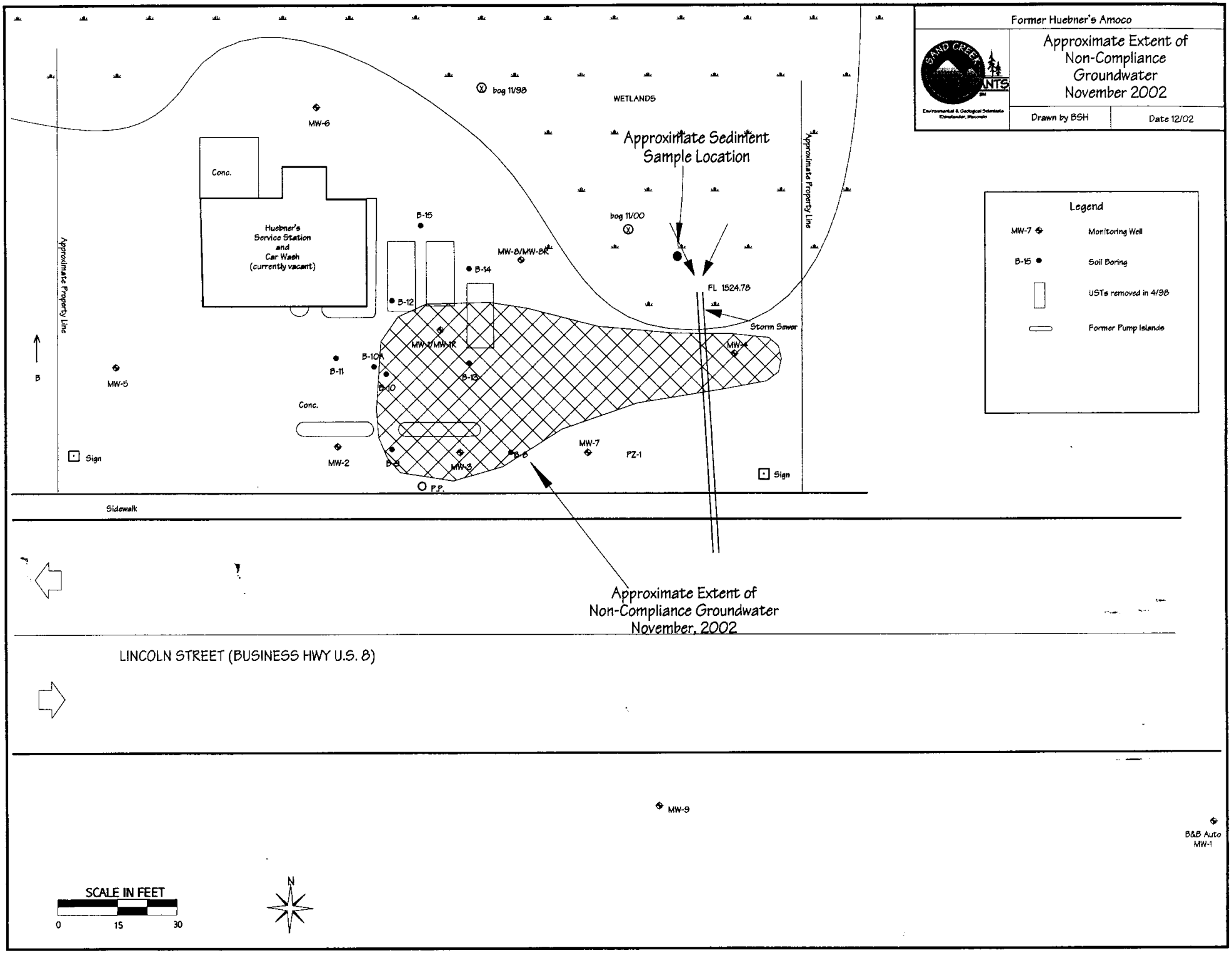
Updated 12/02



Former Huebner's Amoco

Approximate Extent of Non-Compliance Groundwater November 2002

Drawn by BSH | Date 12/02

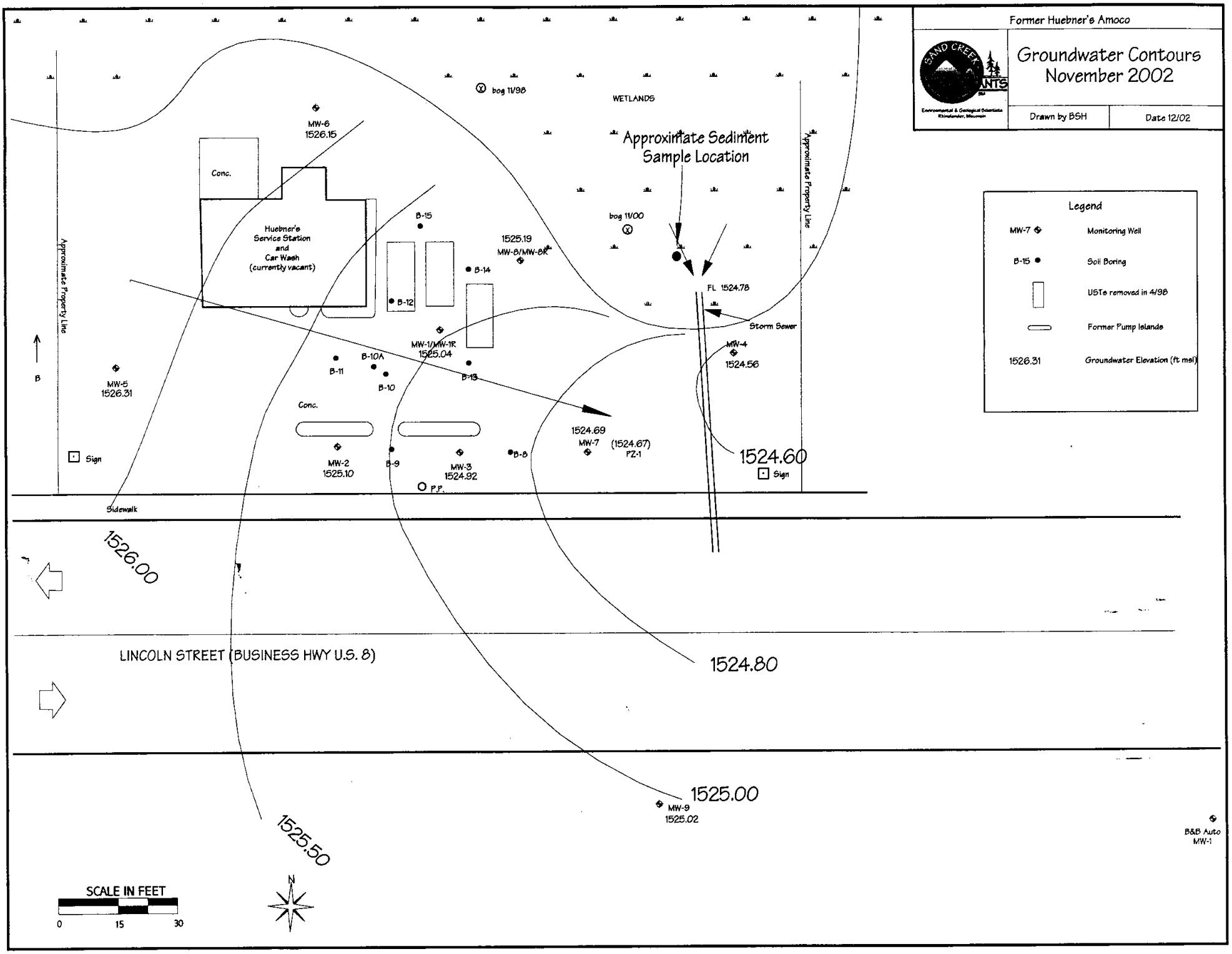


Former Huebner's Amoco

SAND CREEK ENTS
Environmental & Geological Scientists
Rhinelander, Wisconsin

Groundwater Contours November 2002

Drawn by BSH | Date 12/02



STATEMENT REGARDING LEGAL DESCRIPTION OF PROPERTY WITHIN THE CONTAMINATED SITE BOUNDARIES

I, Dennis Huebner, owner of the Huebner's Amoco property, located at 507 Lincoln Street, Rhinelander, Wisconsin, hereby certify that the legal description of the property on which groundwater contamination is located is attached to this statement and is complete and accurate.

Dennis A. Huebner

Dennis Huebner, owner

12-8-02

Date