

**GIS REGISTRY INFORMATION**

**SITE NAME:** Hammer Down Bar  
**BRRTS #:** 03-37-000744 **FID # (if appropriate):** \_\_\_\_\_  
**COMMERCE # (if appropriate):** \_\_\_\_\_  
**CLOSURE DATE:** 15-Jun-04  
**STREET ADDRESS:** 1201 Cty Hwy B  
**CITY:** Mosinee

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection): X= 538717 Y= 483947

**CONTAMINATED MEDIA:** Groundwater  Soil  Both

**OFF-SOURCE GW CONTAMINATION >ES:**  Yes  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  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 X
- Copy of most recent deed, including legal description, for all affected properties X
- 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) NA
- 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. X
- 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 NA
- Geologic cross-sections, if required for SI. (8.5x14" if paper copy) X
- RP certified statement that legal descriptions are complete and accurate X
- Copies of off-source notification letters (if applicable) NA
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW) NA
- Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure NA



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center  
473 Griffith Avenue  
Wisconsin Rapids, Wisconsin 54494  
Telephone 715-421-7800  
FAX 715-421-7873

June 15, 2004

Mr. Brian Loos  
Hammer Down Bar  
1201 CTH B  
Mosinee, WI 54455

Subject: Final Case Closure By Project Manager with Conditions Met  
Hammer Down Bar, 1201 Cty Hwy B, Mosinee, Wisconsin  
WDNR BRRTS # 03-37-000744

Dear Mr. Loos:

On May 6, 2004, your site as described above was reviewed for closure by the Department of Natural Resources. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On May 6, 2004, you were notified that conditional closure was granted to this case.

On June 7, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. The only condition of closure was monitoring well abandonment. 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>. 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.

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) 421-7873.

Sincerely,

A handwritten signature in black ink that reads "David Rozeboom". The signature is fluid and cursive, with the first name "David" and last name "Rozeboom" clearly legible.

David Rozeboom  
Hydrogeologist  
Bureau for Remediation & Redevelopment

cc: Phillip Schmitz, ECCI, 1300 Cleveland Ave, Wausau, WI 54401



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Scott Humrickhouse, Regional Director

Wisconsin Rapids Service Center  
473 Griffith Avenue  
Wisconsin Rapids, Wisconsin 54494  
Telephone 715-421-7800  
FAX 715-421-7873

May 6, 2004

COPY

Mr. Brian Loos  
Hammer Down Bar  
1201 CTH B  
Mosinee, WI 54455

Subject: Conditional Case Closure  
Hammer Down Bar, 1201 Cty Hwy B, Mosinee, Wisconsin  
WDNR BRRTS # 03-37-000744

Dear Loos:

On May 6, 2004, your request for closure of the case described above was reviewed by the Department of Natural Resources. The Department of Natural Resources 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 Department of Natural Resources has determined that the petroleum contamination on the site from the area in the vicinity of the former underground storage tank system 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:

### **MONITORING WELL ABANDONMENT**

The monitoring wells and recovery well at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm.. Documentation of well abandonment must be submitted to David Rozeboom on Form 3300-5B found at <http://www.dnr.state.wi.us/org/water/dwg/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>

If this is a PECFA site, 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) 421-7873.

Sincerely,

A handwritten signature in cursive script that reads "Dave Rozeboom". The signature is written in black ink and is positioned below the word "Sincerely,".

Dave Rozeboom  
Hydrogeologist  
Bureau for Remediation & Redevelopment

Enclosure

cc: Phillip Schmitz, ECCI, 1300 Cleveland Ave, Wausau, WI 54401

CSM  
10-7-96 63

STATE BAR OF WISCONSIN FORM 1 - 1982  
WARRANTY DEED

DOCUMENT NO.

VOL **749** PAGE **406**

1080272  
THANIG/LOOS

REGISTER'S OFFICE  
MARATHON COUNTY, WI  
07-25-1996 03:41 PM

VOLUME **249** OF MICRO  
RECORDS ON PAGE **406**

This Deed, made between John J. Thanig, a single person

Grantor,

and Brian J. Loos and Sally J. Loos, husband and wife, to hold as marital property with right of survivorship

Grantee

Witnesseth, That the said Grantor, for a valuable consideration

conveys to Grantee the following described real estate in Marathon County, State of Wisconsin:

Lot one (1) of Certified Survey Map #9061 recorded in the office of the Register of Deeds for Marathon County, Wisconsin, in Volume 36 of Certified Survey Maps on page 64; being a part of the Northwest quarter (NW 1/4) of the Northwest quarter (NW 1/4) of Section fourteen (14), Township twenty-seven (27) North, Range six (6) East, in the Town of Mosinee, Marathon County, Wisconsin.

*Michael J. Sydow*

THIS SPACE RESERVED FOR RECORDING DATA

NAME AND RETURN ADDRESS

Brian J. Loos  
1201 CTH B  
Mosinee, WI 54455

T.T. Ct 10<sup>00</sup> Pd Ct  
7.92

37-058-4-2706-142-0987  
PARCEL IDENTIFICATION NUMBER

Tax key #29.142706.4

TRANSFER

\$ 7.92  
FEE

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

Together with all and singular the hereditaments and appurtenances thereunto belonging:

And John J. Thanig

warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except easements, restrictions, reservations and covenants of record and taxes levied in the year of conveyance

and will warrant and defend the same.

Dated this 22nd day of July, 1996

\_\_\_\_\_  
(SEAL)

*John J. Thanig*  
John J. Thanig

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
(SEAL)

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

Shane J. VanderWaal, Attorney

VanderWaal Law Firm, Wausau, WI

(Signatures may be authenticated or acknowledged. Both are not necessary.)

ACKNOWLEDGMENT

State of Wisconsin,

Marathon County,

Personally came before me this 22nd day of July, 1996, the above named

John J. Thanig

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

*Shane J. VanderWaal*  
Shane J. VanderWaal

Notary Public, Marathon County, Wis.

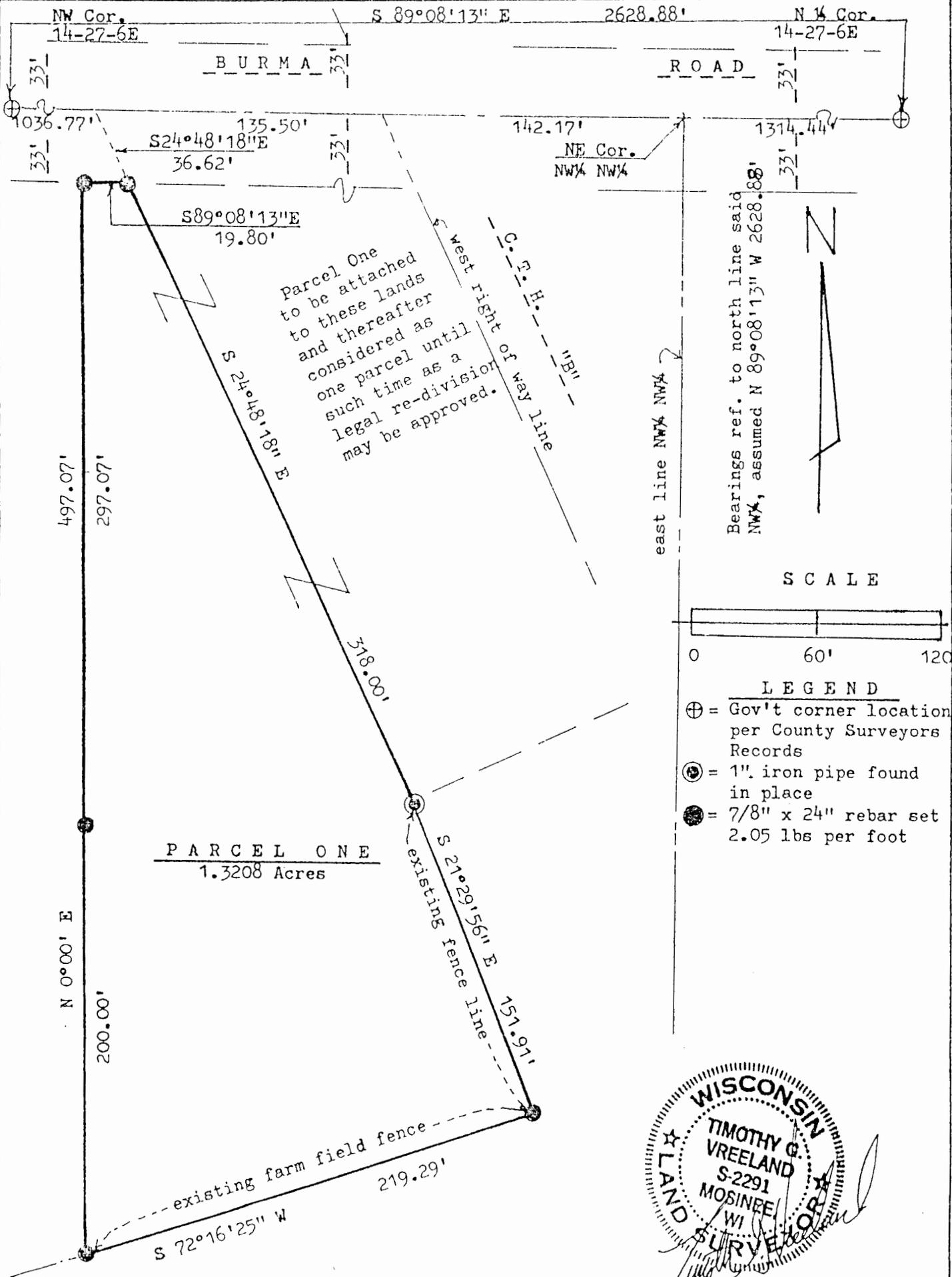
My commission is permanent. (If not, state expiration date: \_\_\_\_\_, 19\_\_\_\_)

\* Names of persons signing in any capacity should be typed or printed below their signatures.

058-4-2706-149-0987 9061

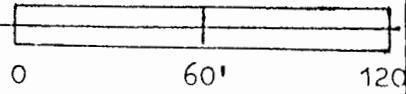
CERTIFIED SURVEY MAP

MARATHON COUNTY NO. \_\_\_\_\_ VOL. \_\_\_\_\_ PAGE \_\_\_\_\_  
 located in NW¼ NW¼, SECTION 14, T 27 N, R 6 E, TOWN OF MOSINEE  
 Prepared By Vreeland Assoc., P.O. Box 41, Mosinee, WI 54455  
 Phone: 715/693-3979



Bearings ref. to north line said NW¼, assumed N 89°08'13" W 2628.88'

SCALE



LEGEND

- ⊕ = Gov't corner location per County Surveyors Records
- ⊙ = 1" iron pipe found in place
- = 7/8" x 24" rebar set 2.05 lbs per foot



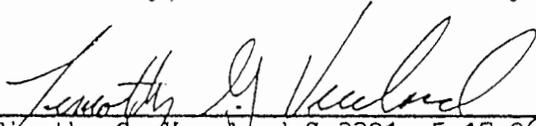
SEE REVERSE SIDE

Vol. 36 pg. 674

SURVEYORS CERTIFICATE

I, Timothy G. Vreeland, Registered Professional Land Surveyor, do hereby certify, that at the direction of Brian Loos I surveyed and mapped the described property and that the map is true and correct and that I have complied with Chapter 236.34 of the Wisconsin Statutes and the Land Division Ordinance of Marathon County, all to the best of my knowledge and believe.



  
Timothy G. Vreeland S 2291 5-17-96  
Vreeland Associates  
P.O. Box 41, Mosinee, WI 54455  
Phone 715/693-3979

DESCRIPTION

Part of the NW¼ NW¼, Section 14, T 27 N, R 6 E, Town of Mosinee, Marathon County, Wisconsin, to wit: Commencing at the Northwest corner of said Section 14; S 89°08'13" E along the Section line 1036.77 feet; S 24°48'18" E 36.62 feet to the point of beginning; S 24°48'18" E 318.00 feet; S 21°29'56" E 151.91 feet; S 72°16'25" W 219.29 feet; N 0°00' E 497.07; ~~feet to the point of beginning.~~ S 89°08'13" E 19.80 feet to the point of beginning.

APPROVED FOR RECORDING  
UNDER THE TERMS OF THE  
MARATHON CO. LAND DIVISION  
REGULATIONS.

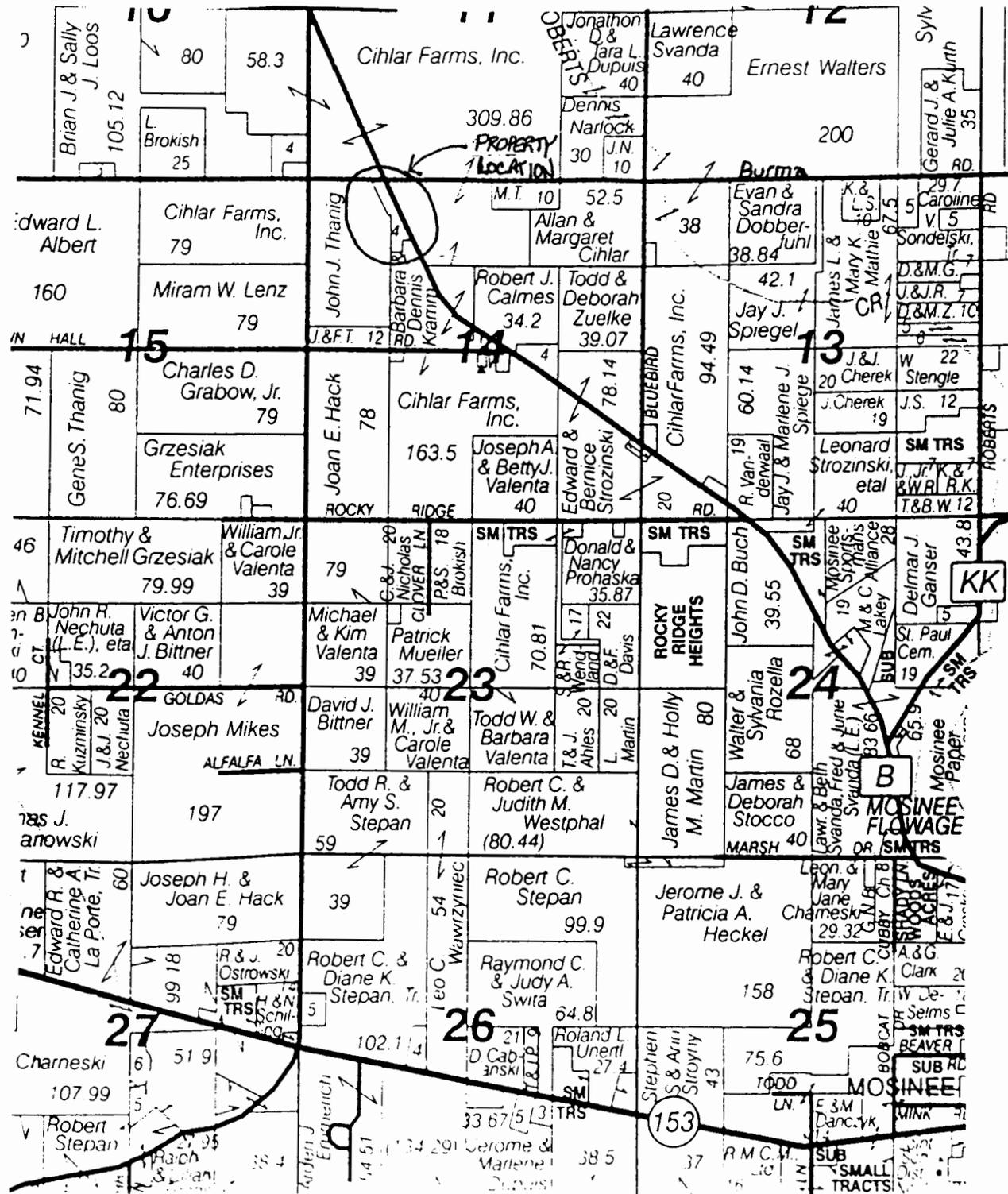
BY Robert Bauer  
DATE May 20, 1996  
MARATHON CO. ZONING DEPT.

1074263  
#9061 - LOOS  
REGISTER'S OFFICE  
RECD FOR REC'D  
MARATHON CO. WI 05-20-1996 10:56 AM

ECD IN VOL. 36 OF CSM PAGE 67

-----  
REGISTER

This instrument was drafted  
by Keith R. Vreeland S 0931



WTM 91 Coordinates  
538703,483961



HAMMER-DOWN BAR REMEDIAL INVESTIGATION - MOSINEE, WISC.

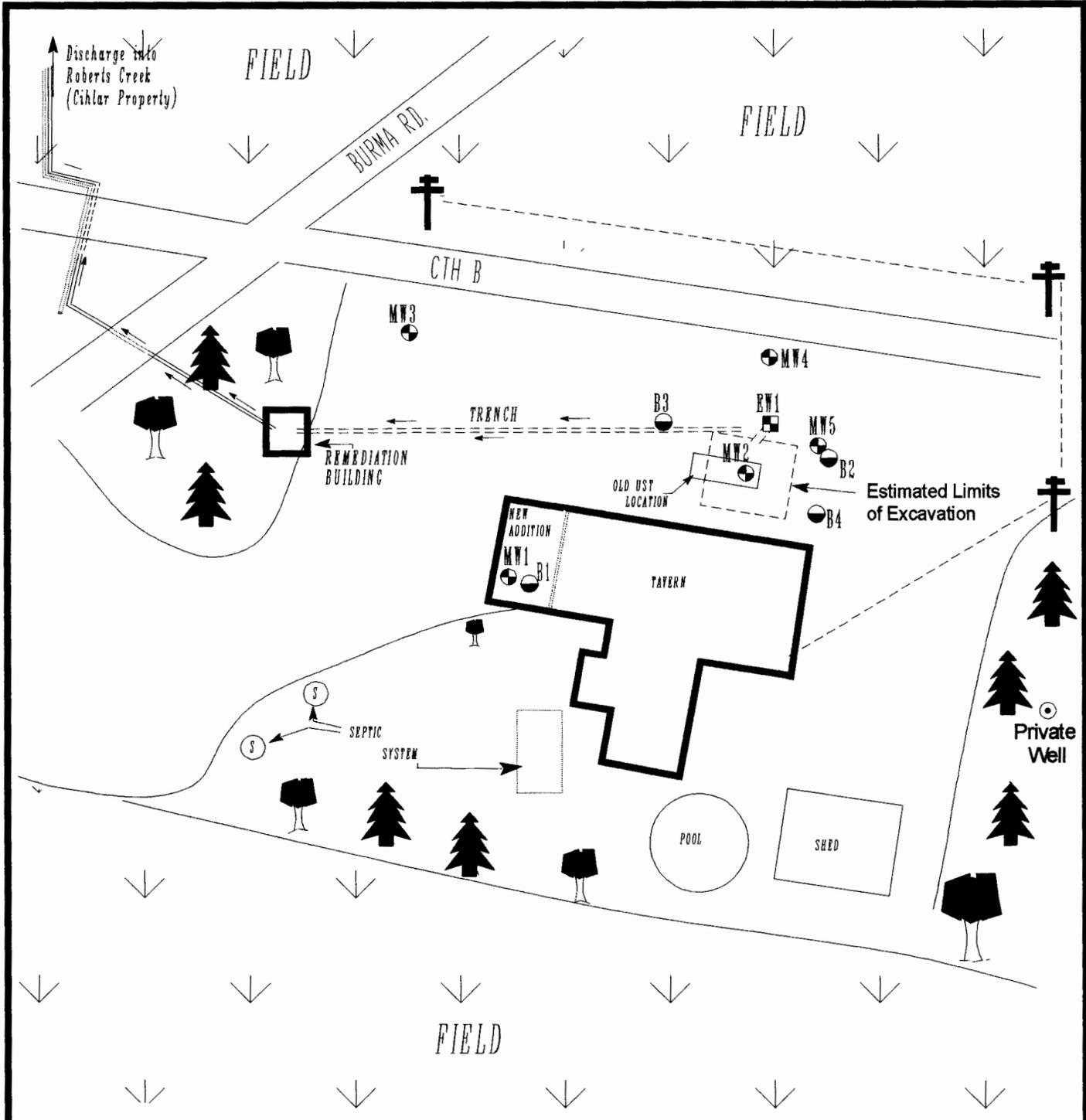
**FIGURE 1**  
**PROPERTY LOCATION MAP**  
**HAMMER DOWN BAR**  
**MOSINEE, WI**

SCALE: 1" = 2400'

DATE: 03-25-02

Environmental Compliance Consultants, Inc.

BY: P.A. Schmitz



LEGEND	
	- SOIL BORING LOCATION
	- MONITORING WELL LOCATION
	- PRIVATE WELL LOCATION
	- EXTRACTION WELL LOCATION



HAMMER-DOWN BAR REMEDIAL INVESTIGATION - WISCONSIN, WISC.	
<b>FIGURE 2 SITE LAYOUT MAP</b>	
SCALE: 1" = 40'	DATE: 03-25-02
Environmental Compliance Consultants, Inc.	BY: P.A. Schnitz

**Table 2**  
 Summary of Groundwater Analytical Results  
 Hammer Down Bar  
 Mosinee, Wisconsin

Date	GRO	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Xylene	1,2,4- Trimethylbenzene	1,3,5- Trimethylbenzene	Total Trimethylbenzene	Lead
<b>Monitoring Well #1</b>											
01/24/94	<50	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<1.0	<2.0	--
05/02/94	--	<0.5	<0.5	<1.0	--	<0.5	<2.0	<1.0	<1.0	<2.0	--
MW-1 Destroyed During Building Renovations											
<b>Monitoring Well #2</b>											
07/10/92	19,200	<b>6,570</b>	<b>801</b>	<b>3,203</b>	<b>313</b>	<b>8,440</b>	<b>4,104</b>	711	305	<b>1,016</b>	<b>111</b>
01/24/94	93,000	<b>23,000</b>	<b>1,700</b>	<b>660</b>	<500	<b>25,000</b>	<b>8,000</b>	1,400	400	<b>1,800</b>	<2.0
05/02/94	65,000	<b>34,000</b>	<b>18,000</b>	<b>600</b>	<b>400</b>	<b>28,000</b>	<b>6,600</b>	1,600	500	<b>2,100</b>	--
09/27/94	51,000	<b>18,000</b>	<b>12,000</b>	<b>490</b>	<b>440</b>	<b>14,000</b>	<b>6,300</b>	1,400	430	<b>1,830</b>	--
02/08/95	--	<b>16,000</b>	<b>950</b>	<130	<b>360</b>	<b>7,200</b>	<b>4,500</b>	1,100	390	<b>1,490</b>	--
05/11/95	--	<b>2,000</b>	550	<b>430</b>	<b>260</b>	<b>2,000</b>	<b>2,500</b>	690	230	<b>920</b>	--
08/10/95	--	<b>9,700</b>	540	<b>410</b>	<b>390</b>	<b>3,800</b>	<b>3,000</b>	770	270	<b>1,040</b>	--
11/14/95	--	<b>6,300</b>	250	<b>360</b>	<b>180</b>	<50	760	160	140	<b>300</b>	--
05/17/96	--	<b>1,700</b>	39	<b>180</b>	<b>40</b>	110	176	49	41	90	<2.0
08/26/96	--	<b>3,700</b>	130	<b>220</b>	<b>93</b>	<b>1,800</b>	<b>1,420</b>	290	130	<b>420</b>	--
12/16/96	--	<b>1,300</b>	44	<b>140</b>	<b>44</b>	86	410	91	50	<b>141</b>	--
03/20/97	--	<b>1,700</b>	65	<b>110</b>	28	30	137	52	60	<b>112</b>	--
Monitoring Well #2 Destroyed During Site Excavation											
ES	NA	5	700	60	40	1,000	10,000	NA	NA	480	15
PAL	NA	0.5	140	12	8	200	1,000	NA	NA	96	1.5

Notes:

All values are in µg/kg (ppb) unless otherwise indicated.

Values shown in **bold** exceed ch. NR 140 Enforcement Standards (ES)

Values shown in *italics* exceed ch. NR 140 Preventative Action Limits (PAL)

-- indicates sample not obtained or parameter not analyzed.

NA indicates no regulatory limit established.

A pump and treat system was used from May 1995 until January 1998.

**Table 2**  
 Summary of Groundwater Analytical Results  
 Hammer Down Bar  
 Mosinee, Wisconsin

Date	GRO	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Trimethylbenzene	Lead
<b>Monitoring Well #3</b>											
07/10/92	<50	<0.2	<1.0	<2.0	<1.0	<0.5	<2.0	<1.0	<1.0	<2.0	--
01/24/94	<50	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0	<1.0	<1.0	<2.0	<2.0
05/02/94	--	<0.5	<0.5	<1.0	--	<0.5	<2.0	<1.0	<1.0	<2.0	--
09/27/94	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
02/08/95	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
05/11/95	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
08/10/95	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
11/14/95	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
05/17/96	--	<0.6	<1.0	<1.0	--	1.6	<2.0	<1.0	<1.0	<2.0	<2.0
08/26/96	--	4.1	3.6	7.6	--	4.9	162	7.6	12	19.6	--
12/16/96	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
03/20/97	--	<0.4	<0.2	<0.5	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
08/21/97	--	<0.4	<0.2	1.5	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
12/02/97	--	<0.4	<0.2	<0.5	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
03/17/98	--	<0.3	<0.2	<0.2	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
06/17/98	--	<0.3	<0.2	0.4	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
09/21/98	--	<0.3	<0.2	0.3	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
01/20/99	--	<0.3	<0.3	0.3	--	<0.3	<0.6	<0.2	<0.3	<0.5	--
04/28/99	--	<0.3	<0.2	<0.2	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
07/10/01	--	--	--	--	--	--	--	--	--	--	7.41
07/10/02	--	--	--	--	--	--	--	--	--	--	--
01/19/03	--	<0.45	<0.82	<0.43	<0.89	<0.68	<2.5	<0.92	<0.94	<1.9	--
04/15/03	--	--	--	--	--	--	--	--	--	--	--
08/05/03	--	--	--	--	--	--	--	--	--	--	--
11/11/03	--	--	--	--	--	--	--	--	--	--	--
04/20/04	--	--	--	--	--	--	--	--	--	--	--
ES	NA	5	700	60	40	1,000	10,000	NA	NA	480	15
PAL	NA	0.5	140	12	8	200	1,000	NA	NA	96	1.5

Notes:

All values are in µg/kg (ppb) unless otherwise indicated.  
 Values shown in **bold** exceed ch. NR 140 Enforcement Standards (ES)  
 Values shown in *italics* exceed ch. NR 140 Preventative Action Limits (PAL)  
 -- indicates sample not obtained or parameter not analyzed.  
 NA indicates no regulatory limit established.  
 A pump and treat system was used from May 1995 until January 1998.

**Table 2**  
 Summary of Groundwater Analytical Results  
 Hammer Down Bar  
 Mosinee, Wisconsin

Date	GRO	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Trimethylbenzene	Lead
<b>Monitoring Well #4</b>											
05/02/94	<50	<0.3	<0.5	<2.0	<1.0	0.90	<2.2	<0.5	<0.5	<1.0	--
09/27/94	--	3.3	<1.0	6.90	--	1.3	<2.1	<1.0	<1.0	<2.0	--
02/08/95	--	1.3	<1.0	4.40	--	3.1	<2.3	<1.0	<1.0	<2.0	--
05/11/95	--	<0.6	<1.0	<1.0	--	1.2	<2.2	<1.0	<1.0	<2.0	--
08/10/95	--	<b>43</b>	<1.0	4.20	--	31	46	1.6	3.5	5.1	--
11/14/95	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
05/17/96	--	<0.6	<1.0	<1.0	--	5.3	5.2	<1.0	<1.0	<2.0	--
08/26/96	--	<0.6	<1.0	<1.0	--	4.6	9.4	<1.0	1.1	<2.1	--
12/16/96	--	<0.6	<1.0	<1.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
03/20/97	--	<0.4	<0.2	<0.5	--	<0.3	1.1	<0.3	<0.3	<0.6	--
08/21/97	--	<0.4	<0.2	<0.5	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
12/02/97	--	<0.4	<0.2	<0.5	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
03/17/98	--	<0.3	<0.2	<0.2	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
06/17/98	--	3.4	<0.2	0.4	--	4.0	6.0	<0.9	0.8	<1.7	--
09/21/98	--	<b>110</b>	4.5	3.4	--	170	280	26	20	46	--
01/20/99	--	<0.3	<0.2	0.9	--	0.3	<1.6	<0.9	<0.5	<1.4	--
04/28/99	--	<0.3	<0.2	0.4	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
07/10/01	--	--	--	--	--	--	--	--	--	--	<0.39
07/10/02	--	<b>16</b>	<0.82	1.2	--	20	37	2.8	3.2	6.0	--
01/19/03	--	<b>60</b>	4.6	5.6	2.0	94	201	30	18	48.0	--
04/15/03	--	--	--	--	--	--	--	--	--	--	--
08/05/03	--	<b>29</b>	0.69	1.8	0.65	39	41	1.2	6.1	7.3	--
11/11/03	--	<b>120</b>	5.1	13	6.6	99	155	22	9.4	31	--
04/20/04	--	<i>0.53</i>	<0.40	<0.36	0.49	0.52	2.3	1.0	<0.4	1.0	--
ES	NA	5	700	60	40	1,000	10,000	NA	5.00	480	15
PAL	NA	0.5	140	12	8	200	1,000	NA	NA	96	1.5

Notes:

All values are in µg/kg (ppb) unless otherwise indicated.  
 Values shown in **bold** exceed ch. NR 140 Enforcement Standards (ES)  
 Values shown in *italics* exceed ch. NR 140 Preventative Action Limits (PAL)  
 -- indicates sample not obtained or parameter not analyzed.  
 NA indicates no regulatory limit established.  
 A pump and treat system was used from May 1995 until January 1998.

**Table 2**  
 Summary of Groundwater Analytical Results  
 Hammer Down Bar  
 Mosinee, Wisconsin

Date	GRO	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Trimethylbenzene	Lead
<b>Monitoring Well #5</b>											
09/27/94	200	<b>30</b>	<1.0	19	<1.0	38	40	2.0	2.0	4.0	--
02/08/95	--	<b>270</b>	6.10	<b>81</b>	--	150	211	20	10	30	--
05/11/95	--	<b>87</b>	<1.0	<b>79</b>	--	29	38	3.3	2.8	6.1	--
08/10/95	--	<b>38</b>	<1.0	<b>44</b>	--	13	26	2.8	1.8	4.6	--
11/14/95	--	<b>190</b>	12.00	<b>100</b>	--	14	80	16	5.6	21.6	--
05/17/96	--	<0.6	<1.0	35	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
08/26/96	--	<0.6	<1.0	7.0	--	<1.0	<2.0	<1.0	<1.0	<2.0	--
12/16/96	--	2.7	<1.0	1.3	--	3.3	<2.4	<1.0	<1.0	<2.0	--
03/20/97	--	3.8	<0.2	7.8	--	3.7	1.4	<0.3	<0.3	<0.6	--
08/21/97	--	<0.4	<0.2	0.8	--	<0.3	<0.8	<0.3	<0.3	<0.6	--
12/02/97	--	<0.4	<0.2	<0.5	--	0.6	<0.8	<0.5	<0.3	<0.6	--
03/17/98	--	2.3	0.50	0.6	--	6.1	5.6	4.0	<0.5	<4.5	--
06/17/98	--	0.5	<0.2	0.8	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
09/21/98	--	0.5	<0.2	3.9	--	0.3	<1.4	<0.9	<0.5	<1.4	--
01/20/99	--	3.1	0.30	5.3	--	2.0	8.0	4.6	1.4	6.0	--
04/28/99	--	<0.3	<0.2	1.3	--	<0.2	<1.4	<0.9	<0.5	<1.4	--
07/10/01	--	--	--	--	--	--	--	--	--	--	<0.39
07/10/02	--	<b>140</b>	24	14	--	90	310	63	46	109	--
01/19/03	--	<b>170</b>	15	24	12	170	290	49	29	78	--
04/15/03	--	<b>270</b>	15	32	--	240	400	58	25	83	--
08/05/03	--	<b>200</b>	16	29	26	180	290	56	23	79	--
11/11/03	--	<b>420</b>	17	42	22	350	440	78	32	110	--
04/20/04	--	<b>150</b>	11	24	19	11	229	35	12	47	--
ES	NA	5	700	60	40	1,000	10,000	NA	NA	480	15
PAL	NA	0.5	140	12	8	200	1,000	NA	NA	96	1.5

Notes:

All values are in µg/kg (ppb) unless otherwise indicated.  
 Values shown in **bold** exceed ch. NR 140 Enforcement Standards (ES)  
 Values shown in *italics* exceed ch. NR 140 Preventative Action Limits (PAL)  
 -- indicates sample not obtained or parameter not analyzed.  
 NA indicates no regulatory limit established.  
 A pump and treat system was used from May 1995 until January 1998.

**Table 2**  
 Summary of Groundwater Analytical Results  
 Hammer Down Bar  
 Mosinee, Wisconsin

Date	GRO	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	Xylene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Total Trimethylbenzene	Lead
<b>Extraction Well #1</b>											
08/21/97	--	<b>580</b>	100	22	32	<b>1,600</b>	<b>2,000</b>	340	140	<b>480</b>	--
12/02/97	--	<b>68</b>	1.9	<0.5	<0.7	36	84	8.0	9.4	17	--
03/17/98	--	<b>450</b>	22	14	25	34	870	260	100	<b>360</b>	--
06/17/98	--	<b>1,200</b>	270	29	<b>110</b>	<b>1,100</b>	<b>2,800</b>	670	230	<b>900</b>	--
09/21/98	--	<b>1,800</b>	380	<b>110</b>	<b>160</b>	<b>2,000</b>	<b>2,140</b>	530	240	<b>770</b>	--
01/20/99	--	<b>4,600</b>	450	41	<b>200</b>	140	<b>1,480</b>	480	360	<b>840</b>	--
04/28/99	--	<b>190</b>	15	21	20	17	98	31	29	60	--
07/10/01	--	--	--	--	--	--	--	--	--	--	3.3
07/10/02	--	<b>130</b>	120	6.7	--	34	620	440	250	<b>690</b>	--
01/19/03	--	--	--	--	--	--	--	--	--	--	--
04/15/03	--	<b>120</b>	34	14	<b>140</b>	4.7	37	20	6	26	--
08/05/03	--	<b>480</b>	110	15	<b>100</b>	250	315	100	56	<b>156</b>	--
11/11/03	--	<b>100</b>	40	10	<b>130</b>	4.8	28	11	6	17	--
04/20/04	--	<b>170</b>	14	27	<b>26</b>	13	290	52	19	71	--
<b>On Site Potable Well</b>											
05/24/94	--	<0.2	<0.05	--	--	<0.1	<0.5	--	--	--	--
04/28/99	--	<0.2	<0.2	<0.2	<0.4	<0.2	<0.6	<0.2	<0.2	<0.4	--
07/10/01	--	<0.28	<0.28	<0.34	<0.38	<0.26	<0.85	<0.27	<0.27	<0.54	<0.56
04/15/03	--	<0.25	<0.30	<0.20	<0.26	<0.20	<0.67	<0.28	<.29	<0.57	--
08/05/03	--	--	--	--	--	--	--	--	--	--	--
11/11/03	--	--	--	--	--	--	--	--	--	--	--
04/20/04	--	--	--	--	--	--	--	--	--	--	--
ES	NA	5	700	60	40	1,000	10,000	NA	NA	480	15
PAL	NA	0.5	140	12	8	200	1,000	NA	NA	96	1.5

Notes:

All values are in µg/kg (ppb) unless otherwise indicated.  
 Values shown in **bold** exceed ch. NR 140 Enforcement Standards (ES)  
 Values shown in *italics* exceed ch. NR 140 Preventative Action Limits (PAL)  
 -- indicates sample not obtained or parameter not analyzed.  
 NA indicates no regulatory limit established.  
 A pump and treat system was used from May 1995 until January 1998.

**Table 1**  
**Groundwater Elevation Summary**  
**Hammer Down Bar**  
**Mosinee, Wisconsin**

	MW-1	MW-2	MW-3	MW-4	MW-5	EW-1
Installation Date	6/25/1992	6/25/1992	6/25/1992	4/13/1994	9/12/1994	2/13/1995
TOC elevation	1301.00	1302.05	1299.89	1302.19	1301.88	1301.46
Measured Well Depth	19.20	19.75	17.59	18.79	19.64	24.66
Screen Length	10	10	10	10	10	15
Well Bottom Elevation	1281.80	1282.30	1282.30	1283.40	1282.24	1276.80
Top of Screen Elevation	1291.80	1292.30	1292.30	1293.40	1292.24	1291.80
Depth to Water						
1/24/1994	11.83	13.12	11.05	**	**	**
5/2/1994	11.58	12.87	10.44	13.01	**	**
9/27/1994	φ	14.70	12.54	14.98	14.61	**
2/8/1995	φ	16.60	14.50	16.93	16.48	**
5/11/1995	φ	16.49	14.20	16.73	16.69	--
8/10/1995	φ	16.44	14.17	16.68	16.35	--
11/14/1995	φ	11.20	8.85	11.46	11.19	--
5/17/1996	φ	11.25	8.95	11.22	11.15	--
8/29/1996	φ	13.25	11.01	13.87	13.22	--
12/16/1996	φ	15.45	13.05	15.85	15.37	--
3/20/1997	φ	15.03	12.73	15.42	14.88	--
8/21/1997	φ	φ	11.58	13.73	13.82	--
12/2/1997	φ	φ	12.35	15.14	14.82	--
3/17/1998	φ	φ	11.60	14.22	13.78	13.40
6/17/1998	φ	φ	10.18	12.36	12.16	11.65
9/21/1998	φ	φ	10.47	12.60	12.42	11.95
1/20/1999	φ	φ	11.72	13.92	--	13.27
4/28/1999	φ	φ	8.97	11.20	11.05	--
7/10/2002	φ	φ	8.42	9.12	9.01	8.42
1/19/2003	φ	φ	10.02	12.18	12.02	--
4/15/2003	φ	φ	--	--	14.42	13.74
8/5/2003	φ	φ	6.87	12.04	11.89	11.32
11/11/2003	φ	φ	--	14.82	14.67	14.05
4/20/2004	φ	φ	--	15.47	14.92	14.25
Groundwater Elevation					1292.24	1291.80
1/24/1994	1289.17	1288.93	1288.84	**	**	**
5/2/1994	1289.42	1289.18	1289.45	1289.18	**	**
9/27/1994	φ	1287.35	1287.35	1287.21	1287.27	**
2/8/1995	φ	1285.45	1285.39	1285.26	1285.40	**
5/11/1995	φ	1285.56	1285.69	1285.46	1285.19	--
8/10/1995	φ	1285.61	1285.72	1285.51	1285.53	--
11/14/1995	φ	1290.85	1291.04	1290.73	1290.69	--
5/17/1996	φ	1290.80	1290.94	1290.97	1290.73	--
8/29/1996	φ	1288.80	1288.88	1288.32	1288.66	--
12/16/1996	φ	1286.60	1286.84	1286.34	1286.51	--
3/20/1997	φ	1287.02	1287.16	1286.77	1287.00	--
8/21/1997	φ	φ	1288.31	1288.46	1288.06	--
12/2/1997	φ	φ	1287.54	1287.05	1287.06	--
3/17/1998	φ	φ	1288.29	1287.97	1288.10	1288.06
6/17/1998	φ	φ	1289.71	1289.83	1289.72	1289.81
9/21/1998	φ	φ	1289.42	1289.59	1289.46	1289.51
1/20/1999	φ	φ	1288.17	1288.27	--	1288.19
4/28/1999	φ	φ	1290.92	1290.99	1290.83	--
7/10/2002	φ	φ	1291.47	1293.07	<b>1292.87</b>	<b>1293.04</b>
1/19/2003	φ	φ	1289.87	1290.01	1289.86	--
4/15/2003	φ	φ	--	--	1287.46	1287.72
8/5/2003	φ	φ	1293.02	1290.15	1289.99	1290.14
11/11/2003	φ	φ	--	1287.37	1287.21	1287.41
4/20/2004	φ	φ	--	1286.72	1286.96	1287.21
Mean Groundwater Elevation	1289.30	1287.83	1288.76	1288.42	1288.31	1289.01
Standard Deviation	0.18	2.00	2.05	2.09	2.06	1.85

Notes:

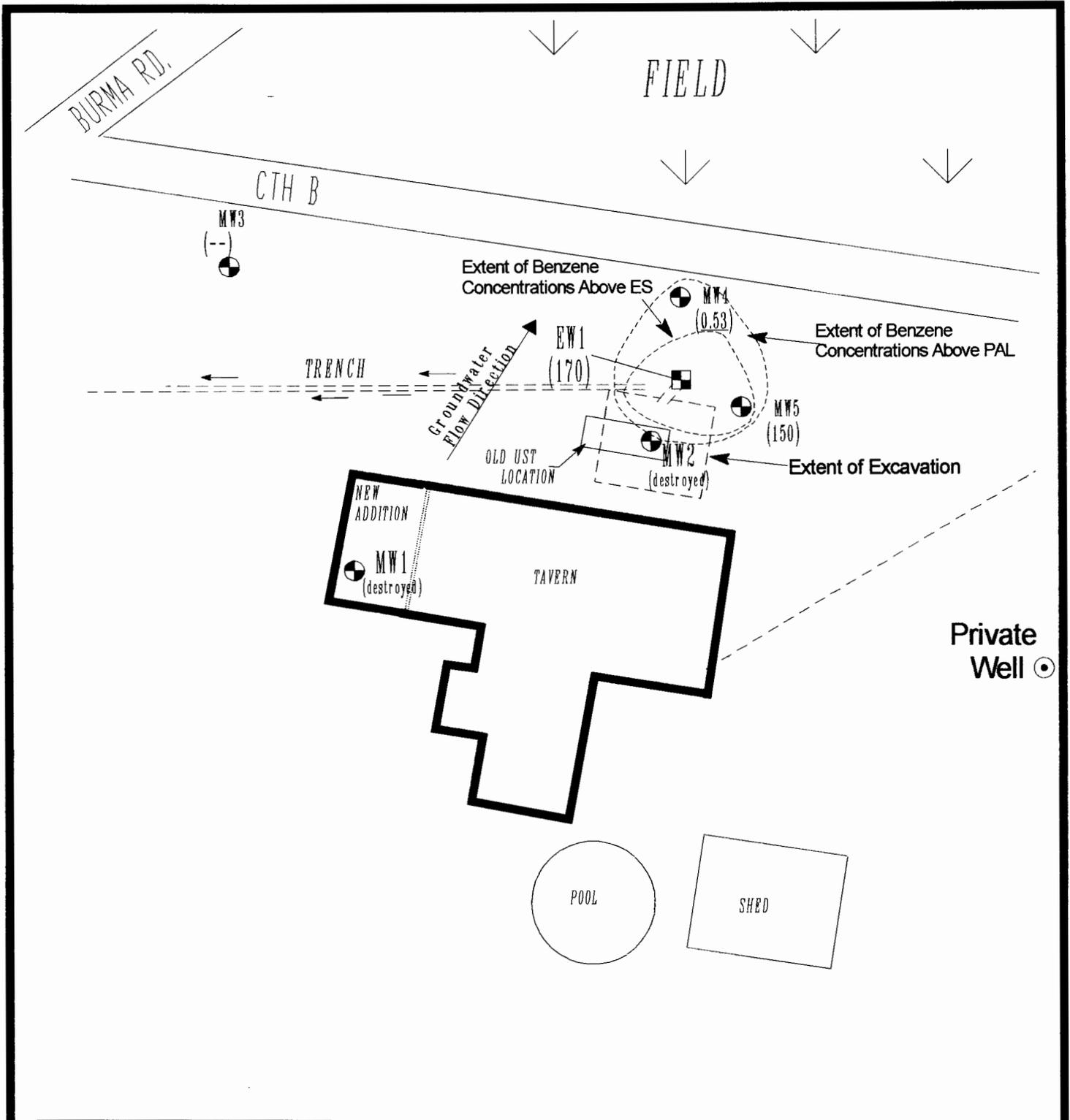
Pump and Treat System Operated from May 1995 to January 1998

Elevations shown in **bold** indicate submerged well screen.

-- indicates groundwater elevation was not obtained.

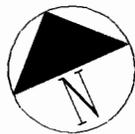
\*\* indicates well was not yet installed

φ indicates well was destroyed.



**LEGEND**

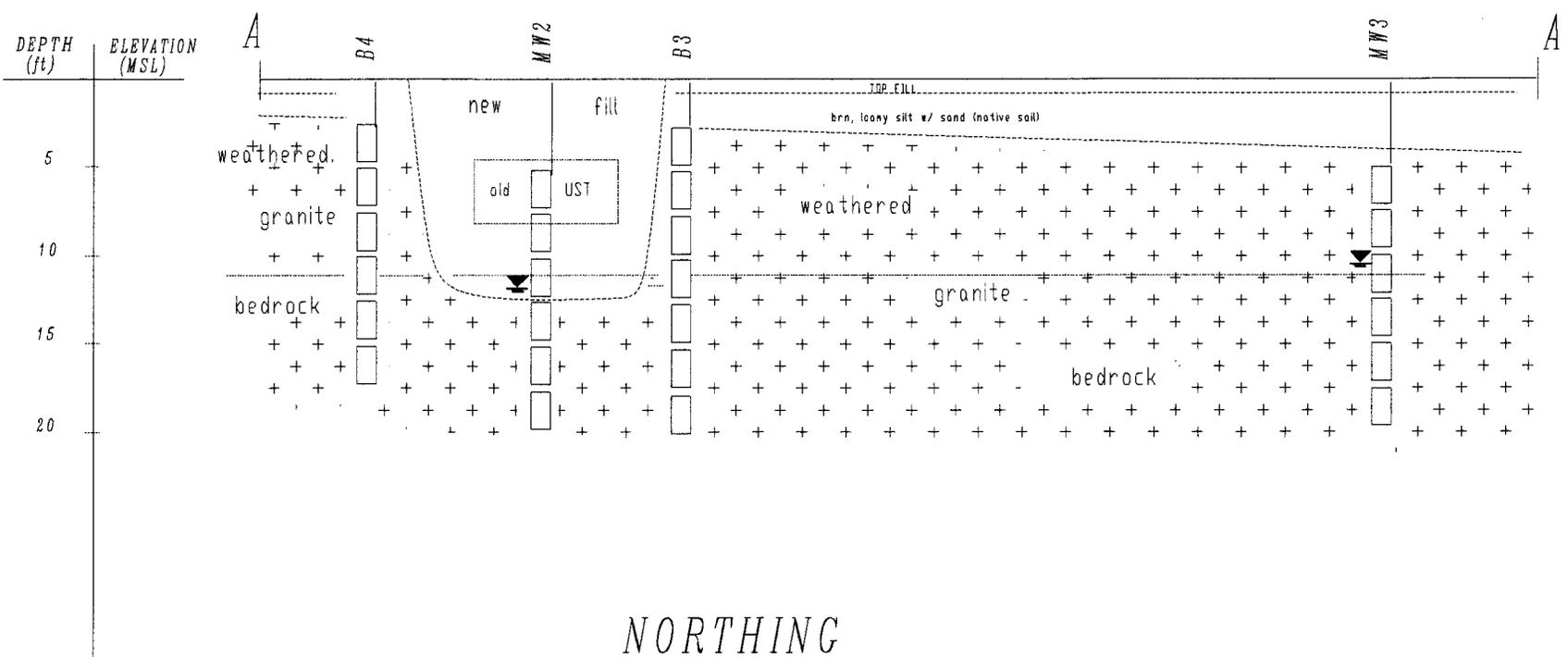
- MONITORING WELL LOCATION
- PRIVATE WELL LOCATION
- EXTRACTION WELL LOCATION
- (###) Benzene Concentration (µg/L) - April 20, 2004



HAMMER-DOWN BAR REMEDIAL INVESTIGATION - MOSINEE, WISC.

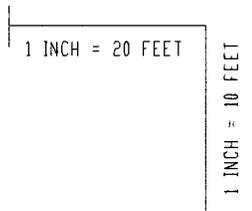
**FIGURE 4**  
**BENZENE CONCENTRATION MAP**  
**APRIL 20, 2004**

0 15 30 feet	DATE: 05-04-04
Environmental Compliance Consultants, Inc.	BY: P.A. Schmitz



NORTHING

GRAPHIC SCALE



- GROUNDWATER LEVELS (based on monitoring well readings taken on July 30, 1992)
- APPROXIMATE POTENTIOMETRIC SURFACE (NO HORIZONTAL GRADIENT SHOWN)
- BORING LOCATION AND SOIL SAMPLE PROFILE

(From Site Investigation)

HAMMER-DOWN BAR REMEDIAL INVESTIGATION - MOSINEE, WI	
FIGURE 5	
CROSS-SECTION A-A'	
SCALE: SEE GRAPHIC SCALE	DATE: 07-30-92
Environmental Compliance Consultants, Inc.	BY: A. UNGERER

I, Brian Loos, the Responsible Party for the environmental clean up at the Hammer Down Bar (WDNR BRRTS# 03-37-000744), 1201 County Highway B, hereby attest that, to the best of my knowledge, the property descriptions attached to this document are current and correct.

Brian Loos  
Brian Loos

3/25/02  
Date