

GRCRS Package Cover Sheet

Site Name Amherst Telephone Company

Site Address 120 Mill Street, Amherst, WI

BRRTS # 03-50-001019 Date of Closure Decision 9/13/01

Closure letter(s)

Groundwater Use Restriction/Warranty Deed

Yes  No  Off-site contamination present? (Include related documents)

Yes  No  Right-of-way contamination present? (Include related documents)

General location map

576962 GPS x-coordinate

442228 GPS y-coordinate

Detailed site map(s)

Groundwater flow map(s)

Latest map(s) showing extent or outline of plume

Latest table(s) of analytical results (soil results included only if soil deed restriction is incorporated into groundwater use restriction document)

If available:

Legal description

County and Parcel I.D./Tax Parcel No.

Geologic cross sections

Isoconcentrations map(s)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor  
Darrell Bazzell, Secretary  
Scott A. Humrickhouse, Regional Director

Wausau Office  
5301 Rib Mountain Drive  
Wausau, Wisconsin 54401  
Telephone 715-359-4522  
FAX 715-355-5253

April 15, 2002

**BRRTS #03-50-001019**

MR CARL BOHMAN  
AMHERST TELEPHONE COMPANY  
120 MILL STREET  
AMHERST, WI 54406

Subject: Case Closure, Amherst Telephone Company, 120 Mill Street, Amherst, Wisconsin

Dear Mr. Bohman:

You have met the conditions for closure based on your consultant's submittal of the well abandonment documentation. You submitted a copy of the recorded groundwater use restriction on November 13, 2001. On September 13, 2001 we sent you a conditional closure letter for the your site. As conditions of closure you needed to abandon the monitoring wells and record a groundwater use restriction.

Since you have met the conditions of closure, we consider your case closed with no further action required at this time. Please be aware that this case may be reopened pursuant to s. NR726.09, Wisconsin Administrative 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. We appreciate the efforts you have taken to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715/359-6514.

Sincerely,

Lisa Gutknecht - Project Manager  
Remediation & Redevelopment Program

c: Bill Evans, Eau Claire (w/o enclosure)  
Glenn Falkowski, Wausau (w/o enclosure)  
Brian Hoppe, REI



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September 14, 2001

BRRTS #03-50-001019

MR CARL BOHMAN  
AMHERST TELEPHONE COMPANY  
120 MILL STREET  
AMHERST, WI 54406

**FILE COPY**

Subject: Case Closure, Amherst Telephone Company, 120 Mill Street, Amherst, Wisconsin

Dear Mr. Bohman:

On September 13, 2001, the Amherst Telephone Company case was reviewed by the West Central Regional Close Out Committee for a determination as to whether or not the case qualified for close out under ch. NR 726, Wis. Adm. Code. Based on the information provided to date, the contamination on the site appears to have been remediated to the extent practicable under site conditions. Your case will be granted closure under s.NR726.05, Wisconsin Administrative Code when the following conditions have been met.

**GROUNDWATER USE RESTRICTION** A draft groundwater use restriction which meets the requirements of s.NR 726.05(8)(am), Wis. Adm. Code, must be provided to the Department for approval along with a **copy of the deed for the property**. After we have checked your document for completeness, you should sign it and have it recorded at the Portage County Register of Deeds Office. You need to submit a copy of the recorded document to me. Once the Department has received documentation that the restrictions have been recorded and all other conditions for closure have been met, the case will be considered closed. A copy of the groundwater use restriction is attached.

**MONITORING WELL ABANDONMENT** Monitoring wells at the site must be properly abandoned in compliance with s.NR141.25 Wis. Adm. Code. Documentation substantiating proper abandonment (Form 3300-5W) should be forwarded to me at the above address.

This case may be reopened pursuant to s. NR726.05 (2)(b) 2-5 or NR726.09 Wisconsin-Administrative Code, if additional information regarding site conditions indicates that natural attenuation is no longer an effective remedial action; or if contamination on the site poses a threat to public health, safety, or welfare of the environment.

Mr. Carl Bohman  
Amherst Telephone Company

September 14, 2001

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If you have additional relevant information which was not formerly provided to the Department, and which you feel would significantly impact the Department's closure decision, you may submit that information for our re-evaluation of case closure. I appreciate the actions you and your consultant have undertaken to restore the environment. If you have any questions, please feel free to call me at 715/359-6514.

Sincerely,



Lisa Gutknecht - Project Manager  
Remediation & Redevelopment Program

Enclosure

c: Bill Evans, Eau Claire (w/o enclosure)  
Glenn Falkowski, Wausau (w/o enclosure)  
Brian Hoppe, REI



WHEREAS, natural attenuation has been approved by the Department of Natural Resources to remediate groundwater contamination exceeding ch. NR 140, Wis. Adm. Code, groundwater standards within the boundaries of this property.

WHEREAS, construction of wells where the water quality does not comply with drinking water standards in ch. NR 809, Wis. Adm. Code, is restricted by chs. NR 811 and NR 812, Wis. Adm. Code. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitation and restrictions:

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

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, Carl F. Bohman, President, asserts that he is duly authorized to sign this document on behalf of Amherst Telephone Company.

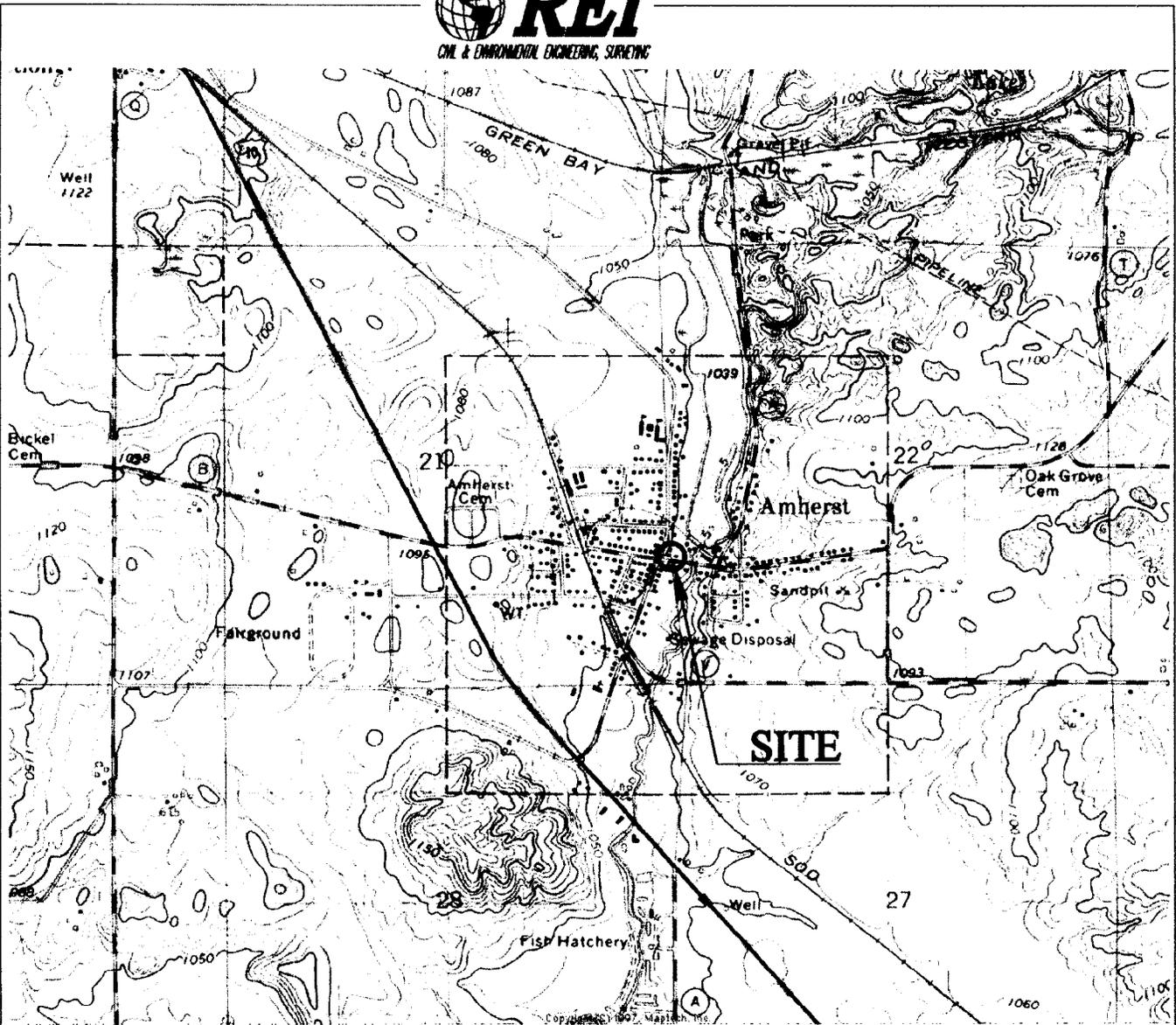
IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 30th day of October, 2001.

Signature: Carl F. Bohman  
Printed Name: Carl F. Bohman

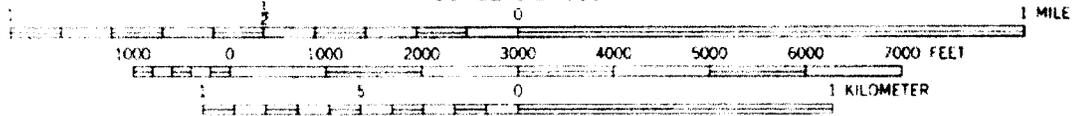
Subscribed and sworn to before me this 30th day of October, 2001.

[Signature]  
Notary Public, State of Wisconsin  
My commission is permanent

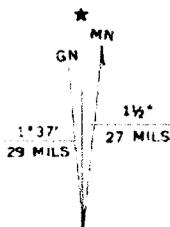
This document was drafted by Attorney William C. Williams



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET  
 DATUM IS MEAN SEA LEVEL



UTM GRID AND 1969 MAGNETIC NORTH DECLINATION AT CENTER OF SITE.

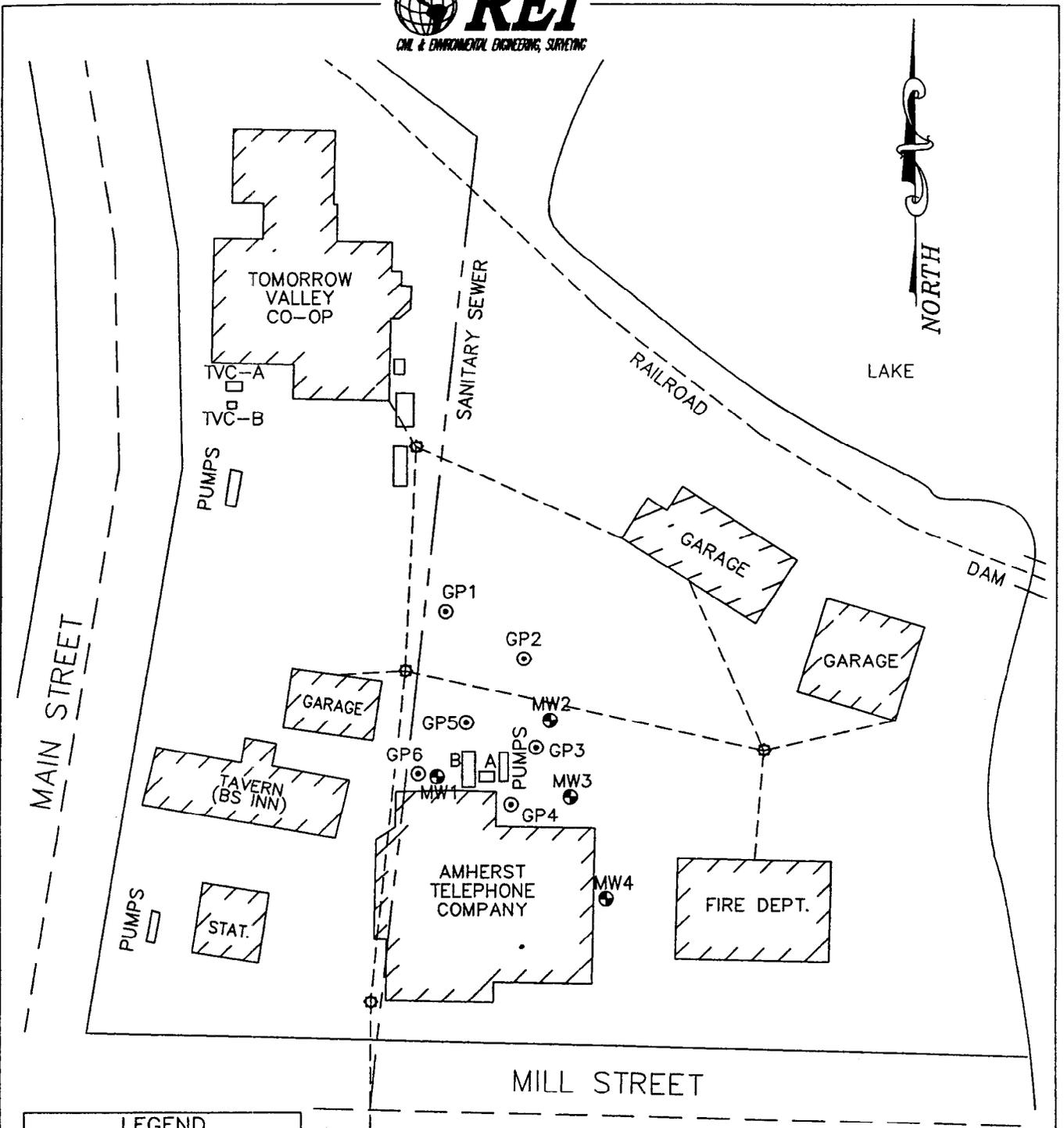
**AMHERST, WIS.**  
 NE 1/4 AMHERST 15' QUADRANGLE  
 N4422.5-W8915/7.5

1969

AMHERST TELEPHONE COMPANY  
 MILL STREET  
 AMHERST, WISCONSIN

FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	DRAWN BY:	DATE:
#0282	TAW	01/25/00



**LEGEND**

0 60  
 SCALE: 1" = 60'

- ⊕ - MONITORING WELL LOCATION
- ⊙ - GEOPROBE LOCATION
- - - OVERHEAD UTILITIES
- A - 550 GAL. UNLEADED GAS TANK
- B - 450 GAL. LEADED GAS TANK
- TVC-A - 1,000 GAL. GAS TANK (TOM. VAL. CO-OP SITE)
- TVC-B - 500 GAL. DIESEL TANK (TOM. VAL. CO-OP SITE)

J:\DRAFTING\0282AMHR\282BASE.DWG

AMHERST TELEPHONE COMPANY MILL STREET AMHERST, WISCONSIN		FIGURE 2 : SITE MAP	
PROJECT NO.	#0282	DRAWN BY:	TAW
		DATE:	10/21/99



Table 2a  
Monitoring Well MW1  
Groundwater Analytical Data  
Amherst Telephone Company  
Amherst, Wisconsin

PARAMETER	ES	PAL	Sampling Dates									
			11/23/94	5/31/94	8/29/94	11/21/95	7/11/96	5/6/98	8/31/98	2/15/99	5/12/99	8/16/99
<b>GRO</b>	-	-	404 ug/l	1000 ug/l	260 ug/l	X	532 ug/l	NA	NA	NA	NA	NA
<b>Detected PVOC's</b>												
Benzene	5	0.5	76.6 ug/l	67.6 ug/l	26 ug/l	X	22.8 ug/l	X	X	X	X	<0.15 ug/l
Ethylbenzene	700	140	28.6 ug/l	10.8 ug/l	18 ug/l	X	25.8 ug/l	X	X	X	X	<0.5 ug/l
Toluene	343	68.6	4.4 ug/l	60.0 ug/l	X	X	9.79 ug/l	X	0.32 ug/l	X	X	<0.4 ug/l
Total Xylenes	620	124	26.5 ug/l	392 ug/l	19 ug/l	X	64.5 ug/l	X	X	X	X	<0.19 ug/l
MTBE	60	12	7.1 ug/l	X	X	1 ug/l	18.8 ug/l	X	X	X	X	<0.3 ug/l
Total Trimethylbenzenes	480	96	15.7 ug/l	137.1 ug/l	15 ug/l	X	64.38 ug/l	X	X	X	X	<0.19 ug/l
<b>Inorganics</b>												
Dissolved Lead	15	1.5	33.9 ug/l	X	X	X	NA	NA	NA	1.8 ug/l	X	NA
Dissolved Iron	0.3	0.15	NA	NA	NA	NA	NA	NA	NA	<0.001 mg/l	0.022 mg/l	NA
Nitrate + Nitrite	10	2	NA	NA	NA	NA	NA	NA	NA	5.6 mg/l	5.71 mg/l	NA
Sulfate	250	125	NA	NA	NA	NA	NA	NA	NA	14 mg/l	18.3 mg/l	NA
<b>Field Measurements</b>												
Temperature °F			NA	NA	NA	NA	NA	46.80	64.55	42.16	47.19	64.89
Conductivity (ms/cm)			NA	NA	NA	NA	NA	464	667	442	481	645
Dissolved Oxygen								2.16	1.31	4.23	1.45	8.64
pH			NA	NA	NA	NA	NA	7.05	7.75	6.56	7.35	7.07
Redox Potential (mV)			NA	NA	NA	NA	NA	227.6	33.3	173.3	126.9	26.6

X = Not Detected

NA = Not Analyzed

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventative Action Limits

Table 2b  
Monitoring Well MW2  
Groundwater Analytical Data  
Amherst Telephone Company  
Amherst, Wisconsin

PARAMETER	ES	PAL	Sampling Dates										
			11/23/94	5/31/94	8/29/94	11/21/95	7/11/96	5/6/98	8/31/98	2/15/99	5/12/99	8/16/99	
<b>GRO</b>	-	-	98.3 ug/l	443 ug/l	X	300 ug/l	50.3 ug/l	NA	NA	NA	NA	NA	
<b>Detected PVOC's</b>													
Benzene	5	0.5	50.7 ug/l	294 ug/l	3.4 ug/l	40 ug/l	14.9 ug/l	X	8.7 ug/l	56 ug/l	16.5 ug/l	10.9 ug/l	
Ethylbenzene	700	140	X	X	X	X	1.49 ug/l	X	0.40 ug/l	X	X	<0.5 ug/l	
Toluene	343	68.6	X	X	X	X	X	X	2.1 ug/l	X	2.58 ug/l	<0.4 ug/l	
Total Xylenes	620	124	X	4.0 ug/l	X	X	X	X	14 ug/l	2.4	8.73 ug/l	0.226 ug/l	
MTBE	60	12	80.4 ug/l	261 ug/l	32 ug/l	220 ug/l	8.01 ug/l	110 ug/l	140 ug/l	17 ug/l	73.2 ug/l	13.5 ug/l	
Total Trimethylbenzenes	480	96	X	1.6 ug/l	X	X	1.03 ug/l	X	1.12 ug/l	0.17 ug/l	X	<0.19 ug/l	
<b>Inorganics</b>													
Dissolved Lead	5	1.5	42.5 ug/l	X	X	0.003 mg/l	NA	NA	NA	3.2 ug/l	X	NA	
Dissolved Iron	0.3	0.15	NA	NA	NA	NA	NA	NA	NA	0.047 mg/l	0.232 mg/l	NA	
Nitrate + Nitrite	10	2	NA	NA	NA	NA	NA	NA	NA	5.6 ug/l	2.42 mg/l	NA	
Sulfate	250	125	NA	NA	NA	NA	NA	NA	NA	16 ug/l	18.6 mg/l	NA	
<b>Field Measurements</b>													
Temperature °F			NA	NA	NA	NA	NA	NA	52.3	70.22	40.33	49.15	69.03
Conductivity (ms/cm)			NA	NA	NA	NA	NA	NA	73	895	1088	569	82
Dissolved Oxygen									1.78	1.43	5.00	1.51	3.46
pH			NA	NA	NA	NA	NA	NA	7.56	7.19	6.46	7.37	7.17
Redox Potential (mV)			NA	NA	NA	NA	NA	NA	194.8	-57.8	182.1	60.7	21.4

X = Not Detected  
 NA = Not Analyzed  
 ES = NR140.10 Enforcement Standards  
 PAL = NR140.10 Preventative Action Limits

Table 2c  
Monitoring Well MW3  
Groundwater Analytical Data  
Amherst Telephone Company  
Amherst, Wisconsin

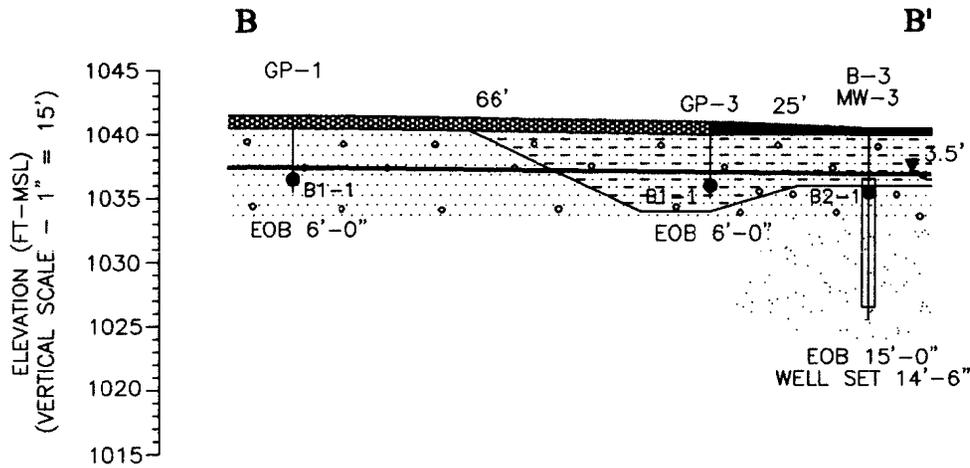
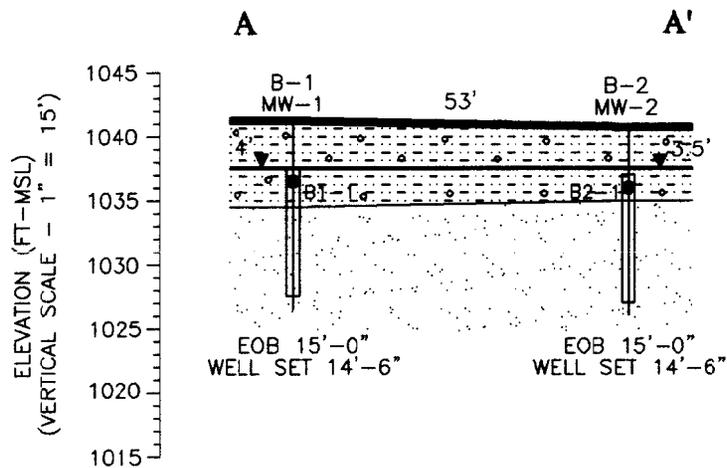
PARAMETER	ES	PAL	Sampling Dates									
			11/23/94	5/31/94	8/29/94	11/21/95	7/11/96	5/6/98	8/31/98	2/15/99	5/12/99	8/16/99
<b>GRO</b>	-	-	X	X	X	X	X	NA	NA	NA	NA	NA
<b>Detected PVOC's</b>												
Benzene	5	0.5	X	0.9 ug/l	X	X	1.66 ug/l	X	X	X	X	1.74 ug/l
Ethylbenzene	700	140	X	X	X	X	X	X	X	X	X	<0.5 ug/l
Toluene	343	68.6	X	X	X	X	X	X	0.33 ug/l	X	X	<0.4 ug/l
Total Xylenes	620	124	X	X	X	X	X	X	X	X	X	<0.19 ug/l
MTBE	60	12	2.6 ug/l	X	X	X	50.0 ug/l	14.0 ug/l	8.7 ug/l	2.8 ug/l	4.27 ug/l	22.7 ug/l
Total Trimethylbenzenes	480	96	X	X	X	X	X	X	X	X	X	<0.19 ug/l
<b>Inorganics</b>												
Dissolved Lead	5	1.5	46.0 ug/l	X	X	X	NA	NA	NA	<1.4 ug/l	X	NA
Dissolved Iron	0.3	0.15	NA	NA	NA	NA	NA	NA	NA	0.0031 mg/l	0.011 mg/l	NA
Nitrate + Nitrite	10	2	NA	NA	NA	NA	NA	NA	NA	4.0 mg/l	3.13 mg/l	NA
Sulfate	250	125	NA	NA	NA	NA	NA	NA	NA	15 mg/l	20.3 mg/l	NA
<b>Field Measurements</b>												
Temperature °F			NA	NA	NA	NA	NA	47.60	68.09	41.77	47.46	66.45
Conductivity (ms/cm)			NA	NA	NA	NA	NA	987	1533	438	1099	1521
Dissolved Oxygen								3.23	1.09	4.06	2.75	0.02
pH			NA	NA	NA	NA	NA	6.57	6.45	6.52	7.04	6.65
Redox Potential (mV)			NA	NA	NA	NA	NA	246.1	-16.2	114	30.2	31.8

X = Not Detected  
 ~ NA = Not Analyzed  
 ES = NR140.10 Enforcement Standards  
 PAL = NR140.10 Preventative Action Limits

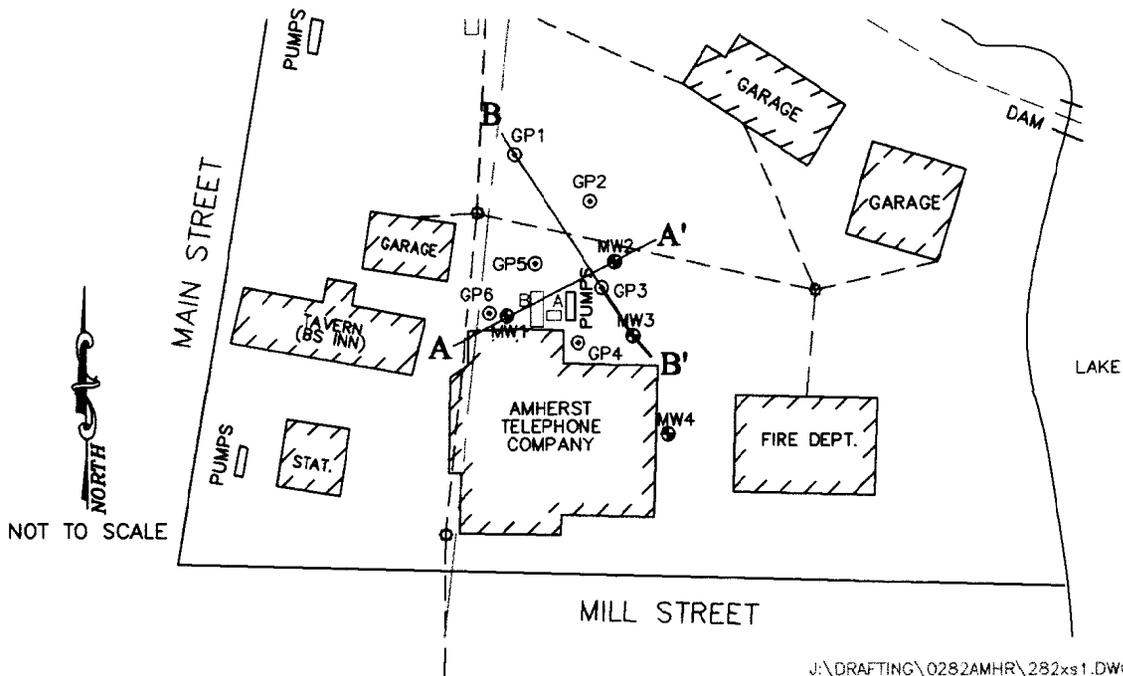
Table 2d  
Monitoring Well MW4  
Groundwater Analytical Data  
Amherst Telephone Company  
Amherst, Wisconsin

PARAMETER	ES	PAL	Sampling Dates			
			9/11/98	2/15/99	5/12/99	8/16/99
<b>GRO</b>	-	-	NA	NA	NA	NA
<b>Detected PVOC's</b>						
Benzene	5	0.5	1.4 ug/l	X	X	<0.15 ug/l
Ethylbenzene	700	140	0.36 ug/l	X	X	<0.5 ug/l
Toluene	343	68.6	1.3 ug/l	X	X	<0.4 ug/l
Total Xylenes	620	124	1.9 ug/l	X	X	<0.19 ug/l
MTBE	60	12	X	X	X	<0.3 ug/l
Total Trimethylbenzenes	480	96	0.95 ug/l	X	X	<0.19 ug/l
<b>Inorganics</b>						
Dissolved Lead	5	1.5	NA	<1.4 ug/l	X	NA
Dissolved Iron	0.3	0.15	NA	0.20 mg/l	0.207 mg/l	NA
Nitrate + Nitrite	10	2	NA	0.39 mg/l	0.54 mg/l	NA
Sulfate	250	125	NA	14 mg/l	12.1 mg/l	NA
<b>Field Measurements</b>						
Temperature °F			NA	43.81	52.39	63.86
Conductivity (ms/cm)			NA	452	605	850
Dissolved Oxygen			NA	5.2	1.31	0.06
pH			NA	6.43	7.51	6.38
Redox Potential (mV)			NA	33.8	-161.7	-101.4

X = Not Detected  
NA = Not Analyzed  
ES = NR140.10 Enforcement Standards  
PAL = NR140.10 Preventative Action Limits



LEGEND	
	- ASPHALT
	- GRAVEL
	- FINE-MED LIGHT BROWN SAND
	- FINE-COARSE BROWN SAND W/TRACE OF W/GRAVEL AND TRACE ORGANIC LAYER
	- GREYISH-BLACK TO BROWN SILTY SAND W/SMALL GRAVEL AND TRACE ORGANIC LAYER
	- 15' - DEPTH TO WATER DURING BOREHOLE ADVANCEMENT



NORTH  
 NOT TO SCALE

J:\DRAFTING\0282AMHR\282xs1.DWG

AHMERST TELEPHONE COMPANY  
 MILL STREET  
 AHMERST, WISCONSIN

FIGURE 3 : CROSS-SECTION DIAGRAM A-A', B-B'

PROJECT NO.

#0282

DRAWN BY:

DDD

DATE:

2/15/94