GIS REGISTRY INFORMATION

SITE NAME:	Union 76 Station (Former)					
BRRTS #:	03-67-000545			**FID #** (if appropriate):		
COMMERCE # (if appropriate):	53091-9999-92					
CLOSURE DATE:	February 18, 2005					
STREET ADDRESS:	9292 Skyline Dr					
CITY:	Allenton					
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	649983		**Y =**	340809	
CONTAMINATED MEDIA:	Groundwater		Soil		Both	x
OFF-SOURCE GW CONTAMINATION >ES:		**Yes**			**No**	
• **IF YES, STREET ADDRESS:**						
• **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**	**X**		**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)	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.**	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	X
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)	X
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	x
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	

commerce.wi.gov
Wisconsin
Department of Commerce

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
101 West Pleasant Street, Suite 100A
Milwaukee, Wisconsin 53212-3963
TDD #: (608) 264-8777
Fax #: (414) 220-5374
Jim Doyle, Governor
Mary P. Burke, Secretary

February 18, 2005

Mr. Gene Koll
Theresa State Bank
309 Wisconsin St.
PO Box 128
Theresa, WI 53091

RE: **Final Closure**

Commerce # 53091-9999-92 WDNR BRRTS # 03-67-000545
Union 76 Station (Former), 9292 Skyline Dr., Allenton

Dear Mr. Koll:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5375.

Sincerely,

Greg Michael
Hydrogeologist
Site Review Section

cc: E2M Environmental Engineering Mgmt., LLC
Case File

TSB BANK

LOMIRA OFFICE
695 East Avenue
Lomira, WI 53048
(920) 269-7777
Fax: (920) 269-7300

THERESA OFFICE
309 Wisconsin St.
Theresa, WI 53091
(920) 488-3604
Fax: (920) 488-2108

MAYVILLE OFFICE
935E Horicon St.
Mayville, WI 53050
(920) 387-4800
Fax: (920) 387-4100

June 11, 2004

E2M
Christian Mielke
W223 N7343 Carole Court
Sussex WI 53089

Dear Mr. Mielke,

Re: Former Theresa Union 76 PECFA Site

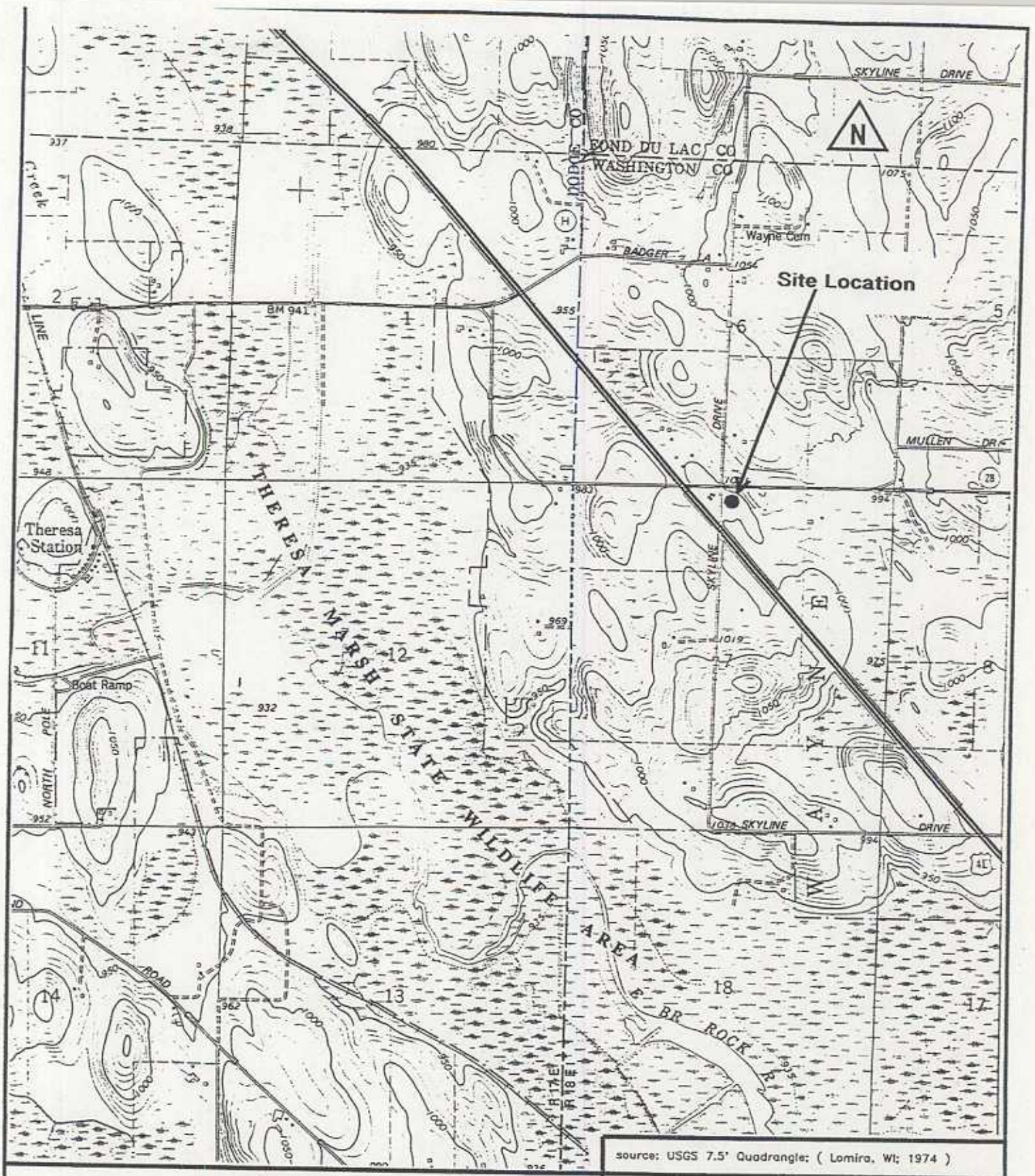
To the best of my knowledge, the legal description provided herein is for the property within the contaminated boundary. This statement does not apply to any railroad or municipal right-of-ways.

I hope this letter will help facilitate the filing of the Closure Submittal.

Sincerely,

Michael D. Bonnett
President

rln



source: USGS 7.5' Quadrangle: (Lomira, WI; 1974)

date:	drafted by:	checked by:	approved by:
3/17/95	PDF	RKS	R.H

scale: 1" = 2,000'

Figure B-1

SITE LOCATION

Former Theresa Union 76

9292 Skyline Drive

Wayne, WI

STATE BAR OF WISCONSIN FORM 3 - 1998

QUIT CLAIM DEED

Document Number

DOC#: 895075

Recorded
JULY 27,2001 AT 01:15PM

DOROTHY C. BONNERING
REGISTER OF DEEDS
WASHINGTON COUNTY, WI
Fee Amount: $12.00
Transfer fee: $150.00

This Deed, made between Richard A. Cassel, Sr. and Scott Pecor, Grantors

and Daniel L. Bishop, Grantee.

Grantor quit claims to Grantee the following described real estate in Washington County, State of Wisconsin:

Attached hereto as exhibit "A".

Recording Area

Name and Return Address
Daniel Bishop
3811- 21st Street
Racine, WI 53405

12-2

T12-014700A
Parcel Identification Number (PIN)

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

TRANSFER FEE $ 150.00

Together with all appurtenant rights, title and interests.

Dated this 27th day of July, 2001.

Richard A Cassel Sr. (SEAL)
• Richard A. Cassel, Sr.

(SEAL)
• Scott Pecor

(SEAL)
•

(SEAL)
•

AUTHENTICATION

Signature(s)

authenticated this _____ day of _____, _____

•

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

THIS INSTRUMENT WAS DRAFTED BY

Atty. Thomas J. McNamara

Milwaukee, WI

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

ACKNOWLEDGMENT

State of Wisconsin,
Ozaukee County, } ss.

Personally came before me this 27th day of July, 2001, the above named

Richard A Cassel, Sr and
Scott Pecor

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

Margaret M Holdmann

• Margaret M Holdmann

Notary Public, State of Wisconsin
My commission is permanent. (If not, state expiration date: 6-20-2004.)

* Names of persons signing in any capacity must be typed or printed below their signature.

DOC#: 895075

Exhibit "A" Real Estate Description Attachment

That part of the Northwest Quarter of the NORTHEAST Quarter (NW 1/4 NE 1/4) of Section Seven (7), Township Twelve (12) North of Range Eighteen (18) East, Town of Wayne, Washington County, Wisconsin, which is bounded and described as follows, viz:

Commencing at the north quarter post of Said Section; thence South on the quarter line, 488.00 feet to a point on the easterly line of the right of way of Federal Highway 41; thence South 42 degrees 46 minutes East along said right of way line, 368.2 feet; thence North, 758.2 feet to a point in the north line of said NW 1/4 of the NE 1/4; thence West on the north line of said NW 1/4 of the NE 1/4, 250 feet to the place of beginning, EXCEPTING THEREFROM that portion thereof heretofore conveyed to Washington County for highway purposes as described by Deeds recorded in Washington County Registry in Volume 195 of Deeds on page 65, Document No. 220333 and by Deed recorded in the Washington County Registry in Volume 190 of Deeds on page 181, Document No. 217083.

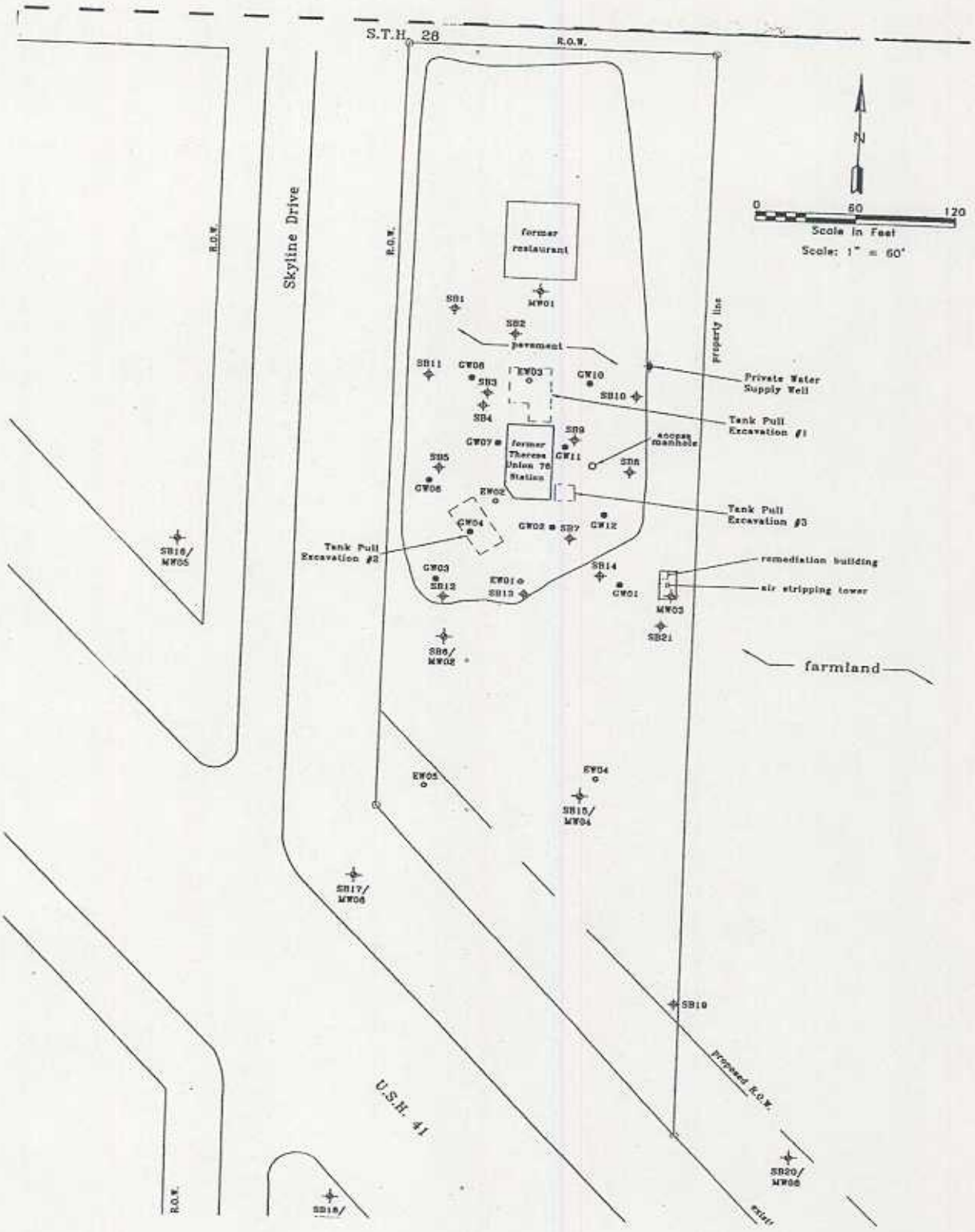

S.T.H. 28
R.O.W.
Skyline Drive
R.O.W.
R.O.W.
R.O.W.
N
0
60
120
Scale in Feet
Scale: 1" = 60'
former restaurant
MW01
SB1
SB2
pavement
SB11
GW08
SB3
EW03
GW10
SB10
SB4
Private Water Supply Well
Tank Pull Excavation #1
GW07
former Therese Union 76 Station
SB9
GW11
access manhole
SB5
SB8
GW06
EW02
Tank Pull Excavation #3
GW04
GW02
SB7
GW12
Tank Pull Excavation #2
SB16/ MW05
GW03
SB12
EW01
SB13
SB14
GW01
remediation building
air stripping tower
MW03
SB21
SB6/ MW02
farmland
property line
EW05
EW04
SB15/ MW04
SB17/ MW06
SB19
proposed R.O.W.
U.S.H. 41
SB20/ MW08
SB18/
exist

TABLE C-1

Theresa 76
Soil Analytical Results
Tank Excavation Soil Samples

Location	test	concentration (ppm)
SS #1 Tank #1 east end 8' 10"	TPH	2,700 (gasoline)
SS #2 Tank #1 8.5'	TPH	3,100 (gasoline)
SS #3 Tank #2 west end 9' 5"	TPH	* 370 (gasoline)
SS #4 Tank #2 east end 9.0'	TPH	6,300 (gasoline)
SS #5 Tank #2 west end 9.0'	TPH	3,800 (gasoline)
SS #6 Tank #3 9.0'	TPH	10,000 (gasoline)
SS #7 Tank #4 center bottom 11' 2"	TPH	## 2400 (gasoline) ## 2900 (diesel)
SS #8 Tank #5 south side 15.5'	TPH Soil	ND (5.0)

TABLE C-1 (cont.)
Theresa 76
Soil Analytical Results
Tank Excavation Soil Samples

Location	Test	concentration (ppm)
SS #9 Tank #5 north end 14.0'	TPH Soil	21 (diesel)
SS #10 Tank #6 8.0'	TPH Soil	ND (5.0)
SS #11 Tank #7 center bottom 8.0'	TPH Soil	** # 160 (diesel)
SS #12 staged soils	BTEX	0.12 (Benzene) 4.9 (Toluene) 0.99 (Ethyl Benzene) 58.0 (Total Xylenes)

note:
TPH = California Modified
TPH Soil = (extractable)
* = based on similarities to gasoline standard
** = sample appears to be a mixture of petroleum hydrocarbons
# = based on match to best available standard
= sample appears to be a mixture (concentration may be high due to overlapping peaks)
ND = not detected above method detection limit. Detection limit given in parenthesis.

Table C-2
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Received at Laboratory	Field OVM Readings (iu)	--Laboratory-- Analysis TPH (ppm)
SB1	1-3				2	
	3-5				0	
	5-7				0	
	7-9				0	
	9-11	SB1 (9-11')	1-28-91	2-1-91	0	ND (10)
	11-13				0	
	13-15				0	
	15-17				0	
	17-19				0	
	19-21				1	
	21-23				1	
	23-25				1	
	25-27				0	
	27-29				0	
	29-31				1	
	31-33				0	
	33-35				0	
SB2	1-3				0	
	3-5				0	
	5-7				0	
	7-9				0	
	9-11	SB2 (9-11')	1-28-91	2-1-91	0	ND (10)
	11-13				0	
	13-15	SB2 (13-15')	1-28-91	2-1-91	0	ND (10)
SB3	1-3				171	
	3-5				NR	
	5-7				319	
	7-9				354	
	9-11	SB3 (9-11')	1-28-91	2-1-91	385	2000 (gasoline)
	11-13				68	
	13-15	SB3 (13-15')	1-28-91	2-1-91	76	ND (10)
SB4	1-3				156	
	3-5				70	
	5-7	SB4 (5-7')	1-29-91	2-1-91	34	ND (10)
	7-9				2	
	9-11				19	
	11-13				32	
	13-15				4	
	15-17	SB4 (15-17')	1-29-91	2-1-91	0	ND (10)

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Received at Laboratory	Field OVM Readings (iu)	--Laboratory-- Analysis TPH (ppm)
SB5	1-3				1	
	3-5				59	
	5-7				220	
	7-9	SB5 (7-9')	1-29-91	2-1-91	602	490 (gasoline)
	9-11				404	
	11-13				104	
	13-15				86	
	15-17				235	
	17-19				34	
	19-21				421	
	21-23				372	
	23-25				80	
	25-27				103	
	27-29				127	
	29-31				35	
	31-33	SB5 (31-33')	1-29-91	2-1-91	11	ND (10)
SB6	1-3				2	
	3-5				0	
	5-7				0	
	7-9				0	
	9-11				19	
	11-13				30	
	13-15				33	
	15-17				24	
	17-19				0	
	19-21				2	
	21-23				48	
	23-25				46	
	25-27	SB6 (25-27')	1-30-91	2-1-91	55	ND (10)
	27-29	SB6 (27-29')	1-30-91	2-1-91	31	ND (10)

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Received at Laboratory	Field OVM Readings (iu)	--Laboratory-- Analysis TPH (ppm)
SB7	1-2.5				0.3	
	3-5.5				128	
	6-7.5				171	
	8.5-10				578	
	11-12.5				603	
	13.5-15				460	
	16-17.5	SB7 (16-17.5')	3-5-91	3-6-91	770	62/110(gasoline/diesel)
	18.5-20				435	
	21-22.5				309	
	23.5-25	SB7 (23.5-25')	3-5-91	3-6-91	457	18/33(gasoline/diesel)
SB8	1-2.5				NR	
	3-5.5				28	
	6-7.5				28	
	8.5-10	SB8 (8.5-10')	3-5-91	3-6-91	37	ND (10)
	11-12.5				13	
	13.5-15	SB8 (13.5-15')	3-5-91	3-6-91	22	ND (10)
SB9	1-2.5				237	
	3-5.5				338	
	6-7.5				435	
	8.5-10	SB9 (8.5-10')	3-5-91	3-6-91	719	1100 (diesel)
	11-12.5				709	
	13.5-15				491	
	16-17.5				434	
	18.5-20	SB9 (18.5-20')	3-5-91	3-6-91	103	ND (10)
SB-MW1	1-3				0	
	3-5				0	
	5-7				0	
	7-9				0	
	9-11	SB-MW1 (9-11')	1-29-91	2-1-91	0	ND (10)
	11-13				0	
	13-15				0	
	15-17				0	
	17-19				0	
	19-21				0	

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Received at Laboratory	Field OVM Readings (iu)	--Laboratory-- Analysis TPH (ppm)
SB-MW2		Blind Drilled adjacent to soil boring SB6. No analytical samples collected	-	-	-	-
SB-MW3	1-2.5				1.5	
	3-5.5				0	
	6-7.5				0	
	8.5-10				0	
	11-12.5	SB-MW3 (11-12.5')	3-5-91	3-6-91	2.0	ND (10)
	13.5-15				1.7	
	16-17.5				1.7	
	18.5-20				NR	
	21-22.5				1.5	
	23.5-25	SB-MW3 (23.5-25')	3-5-91	3-6-91	1.3	ND (10)
SB10	2.5-4.5				1.0	
	5-7	SB10 (5-7')	5-17-91	5-20-91	1.1	
	7.5-9.5				1.7	
	10-12				NR	
	12.5-14.5	SB10 (12.5-14.5')	5-17-91	5-20-91	1.1	
	15-17				0	
SB11	2.5-4.5	SB11 (2.5-4.5')	5-17-91	5-20-91	55	ND (10)
	5-7				16	
	7.5-9.5				23	
	10-12				6	
	12.5-14.5	SB11(12.5-14.5')	5-17-91	5-20-91	3	ND (10)
	15-17				0	

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Received at Laboratory	Field OVM Readings (iu)	--Laboratory-- Analysis TPH (ppm)
SB12	0-2				0	
	2.5-4.5				0	
	5-7				0	
	7.5-9.5	SB12 (7.5-9.5')	6-3-91	6-4-91	156	52 (gasoline)
	10-12				58	
	12.5-14.5				32	
	15-17				11	
	17.5-19.5	SB12 (17.5-19.5')	6-3-91	6-4-91	0	ND (10)
SB13	0-2				0	
	2.5-4.5				0	
	5-7				38	
	7.5-9.5				62	
	10-12				74	
	12.5-14.5	SB13 (12.5-14.5')	6-3-91	6-4-91	83	ND (10)
	15-17	SB13 (15-17')	6-3-91	6-4-91	26	10
SB14	0-2				12	
	2.5-4.5				184	
	5-7				161	
	7.5-9.5				160	
	10-12				247	
	12.5-14.5	SB14 (12.5-14.5)	6-3-91	6-4-91	287	860 (gasoline)
	15-17	SB14 (15-17)	6-3-91	6-4-91	73	ND (10)

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Shipped	Field OVM Readings (iu)	----Laboratory Analysis----				
						TPH (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	Toluene (ppm)	Xylene (ppm)
SB15 MW4	0-2				1.9					
	2.5-4.5				0.5					
	5-7				0.7					
	7.5-9.5				1.7					
	10-12				4.2					
	12.5-14.5				25					
	15-17	SB15/MW4 (15-17)	6-3-91	6-4-91	281	130(gasoline)	0.25	1.1	2.8	4.6
	17.5-19.5				270					
	20-22	SB15/MW4 (20-22)	6-3-91	6-4-91	221	ND (10)	-	-	-	-
SB16 MW5	0-2				1.0					
	2.5-4.5				0					
	5-7				0					
	7.5-9.5	SB16/MW5 (7.5-9.5)	6-4-91	6-6-91	0	ND (10)	-	-	-	-
	10-12				0					
	12.5-14.5				0					
	15-17				0					
	17.5-19.5				0					
	20-22				0					
	23-25				0					
	28-30	SB16/MW5 (28-30)	6-4-91	6-6-91	0	ND (10)	-	-	-	-
SB17 MW6	5-7				0					
	10-12				0					
	15-17				0					
	20-22	SB17/MW6 (20-22)	6-4-91	6-6-91	248	12(gasoline)	0.59	0.3	1.5	1.3
	22.5-24.5				196					
	25-27				91					
	28-30	SB17/MW6 (28-30)	6-4-91	6-6-91	2.0	ND (10)	-	-	-	-

Table C-2 (con't)
Theresa 76
Soil Boring Sampling
and
Analytical Result Summary

Boring Number	Sample Depth Interval (Feet)	Laboratory Sample I.D.	Date Collected	Date Shipped	Field OVM Readings (iu)	----Laboratory Analysis----				
						TPH (ppm)	Benzene (ppm)	Ethylbenzene (ppm)	Toluene (ppm)	Xylene (ppm)
SB18	5-7				0					
MW7	10-12				0.4					
	15-17				0					
	20-22	SB18/MW7 (20-22)	6-5-91	6-6-91	1.5	ND (10)	-	-	-	-
	22.5-24.5				0					
	25-27				0					
	27.5-29.5				0					
	30-32	SB18/MW7 (30-32)	6-5-91	6-6-91	0	ND (10)	-	-	-	-
	35-37				0					
SB19	0-2				0					
	2.5-4.5				0					
	5-7	SB19 (5-7)	6-5-91	6-6-91	39	ND (10)	-	-	-	-
	7.5-9.5				14					
	10-12				2.2					
	12.5-14.5	SB19 (12.5-14.5)	6-5-91	6-6-91	0.8	ND (10)	-	-	-	-
SB20	0-2				0					
MW8	2.5-4.5				0					
	5-7				0					
	7.5-9.5				0					
	10-12				0					
	12.5-14.5	SB20/MW8(12.5-14.5)	6-5-91	6-6-91	0	ND (10)	-	-	-	-
	17-19	SB20/MW8 (17-19)	6-5-91	6-6-91	0	ND (10)	-	-	-	-
SB21	5-7				0					
	10-12				0					
	15-17				0					
	17.5-19.5				0					
	20-22	SB21 (20-22)	6-5-91	6-6-91	0	ND (10)	-	-	-	-

+ ND = Not detected above method detection limits. Detection limit in parenthesis
NR = No recovery
i.u.= Instrument units
ppm = parts per million

Table C-3

Soil Investigation Sampling Analytical Results - PVOCs

NR 720, NR746 and Detected Compounds Only

Former Union 76

Theresa, Wisconsin

Probe ID	Sampling Interval, ft bgs	Sample ID Number	Sample Date	Field OVM Readings, i.u.	PVOCs, ug/kg						
					Benzene	1,2-dichloro-ethane	Ethylbenzene	Toluene	1,2,4 TMB	1,3,5 TMB	Total Xylene
GP1	0-2 2-4	TH-GP1/2-4'	09/11/03	0.0 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP2	0-2 2-4	TH-GP2/2-4'	09/11/03	NR 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP3	0-2 2-4	TH-GP3/2-4'	09/11/03	NR 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP4	0-2 2-4	TH-GP4/2-4'	09/11/03	0.0 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP5	0-2 2-4	TH-GP5/2-4'	09/11/03	0.0 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP6	0-2 2-4	TH-GP6/2-4'	09/11/03	0.0 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP7	0-2 2-4	TH-GP7/2-4'	09/11/03	2.1 11.5	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
NR 720 GRCL (blank space = no standard)					5.5*		2,900	1,500			4,100
NR 746 Table 1 - Soil Porosity (blank space = no standard)					8,500	600	4,600	42,000	83,000	11,000	42,000
NR 746 Table 2 - Direct Contact Zone (blank space = no standard)					1,100	540					

Notes: ND( ) = Not detected above quantification limit (detection limit)

NR = No Recovery

– = parameter not analyzed for

GRCL = NR 720 generic residual contaminant level

* = The GRCL for benzene is 5.5 ug/kg unless the sample is preserved with methanol then accepted GRCL is the detction limit of 25 ug/kg

1,110 = exceedance

Table C-3 continued
Soil Investigation Sampling Analytical Results - PVOCs
NR 720, NR746 and Detected Compounds Only
Former Union 76
Theresa, Wisconsin

Probe ID	Sampling Interval, ft bgs	Sample ID Number	Sample Date	Field OVM Readings, i.u.	PVOCs, ug/kg						
					Benzene	1,2-dichloro-ethane	Ethylbenzene	Toluene	1,2,4 TMB	1,3,5 TMB	Total Xylene
GP8	0-2 2-4	TH-GP8/2-4'	09/11/03	NR 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP9	0-2 2-4	TH-GP9/2-4'	09/11/03	NR 1,602	**1,110**	ND(<250)	**126,000**	**9,500**	**367,000**	**225,000**	**723,000**
GP10	0-2 2-4	TH-GP10/2-4'	09/11/03	1.4 3.4	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP11	0-2 2-4	TH-GP11/2-4'	09/11/03	NR 23.8	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP12	0-2 2-4	TH-GP12/2-4'	09/11/03	NR 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
GP13	0-2 2-4	TH-GP13/2-4'	09/11/03	0.0 0.0	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)	ND(<25)
NR 720 GRCL (blank space = no standard)					5.5*		2,900	1,500			4,100
NR 746 Table 1 - Soil Porosity (blank space = no standard)					8,500	600	4,600	42,000	83,000	11,000	42,000
NR 746 Table 2 - Direct Contact Zone (blank space = no standard)					1,100	540					

Notes: ND( ) = Not detected above quantification limit (detection limit)
NR = No Recovery
-- = parameter not analyzed for
GRCL = NR 720 generic residual contaminant level
* = The GRCL for benzene is 5.5 ug/kg unless the sample is preserved with methanol then accepted GRCL is the detection limit of 25 ug/kg
1,110 = exceedance

Table C-4

Soil Investigation Sampling Analytical Results

Detected PAH Compounds Only

Former Union 76

Theresa, Wisconsin

Probe ID Number	Sampling Interval, ft bgs	Sample ID Number	Sample Date	Field OVM Readings, i.u.	PAHs, mg/kg					
					Acena-phthene	Benz (a) Anthracene	Benzo (a) pyrene	Flour-anthene	Phenan-threne	Pyrene
GP1	0-2 2-4	TH-GP1/2-4'	09/11/03	0.0 0.0	ND(<0.113)	ND(<0.0565)	**0.0532**	0.128	ND(<0.113)	165.000
GP2	0-2 2-4	TH-GP2/2-4'	09/11/03	NR 0.0	0.277	0.0827	**0.0896**	0.205	0.107	0.185
GP3	0-2 2-4	TH-GP3/2-4'	09/11/03	NR 0.0	ND(<0.106)	ND(<0.0528)	ND(<0.00528)	ND(<0.106)	ND(<0.106)	ND(<0.106)
GP4	0-2 2-4	TH-GP4/2-4'	09/11/03	0.0 0.0	ND(<0.110)	ND(<0.0548)	**0.0109**	ND(<0.110)	ND(<0.110)	ND(<0.110)
GP5	0-2 2-4	TH-GP5/2-4'	09/11/03	0.0 0.0	ND(<0.111)	ND(<0.0557)	ND(<0.00557)	ND(<0.111)	ND(<0.111)	ND(<0.111)
GP8	0-2 2-4	TH-GP8/2-4'	09/11/03	NR 0.0	ND(<0.110)	ND(<0.0549)	ND(<0.00549)	ND(<0.110)	ND(<0.110)	ND(<0.110)
Suggested GRCLs[1]										
Protection of Groundwater (mg/kg):					38	17	48	500	1.8	8700
Direct Contact - Non-Industrial (mg/kg):					900	0.088	0.0088	600	18	500

Notes: ND( ) = Not detected above quantification limit (detection limit)
NR = No Recovery
I-pyrene = Indeno(1,2,3-cd) pyrene
[1] Generic Residual Contaminant Levels have been obtained from *"Soil Cleanup Levels for... (PAHs) Interim Guidance"*, April 1997 (corrected), WDNR Pub. RR-519-97
0.0109 = exceedance of suggested GRCL

Table C-5

Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
MW01	12/13/93	TH/MW01-A	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	03/18/94	TH/MW01-B	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	06/16/94	TH/MW01-C	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	09/23/94	TH/MW01-D	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	02/28/95	TH/MW01-E	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	05/31/95	TH/MW01-F	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	08/30/95	TH/MW01-G	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/14/95	TH/MW01-H	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/02/99	TH/MW01-U	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.46	ND	0.3
	09/27/02	TH/MW01-AA	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
MW02	12/13/93	TH/MW02-A	**4,100**	**1,200**	**1,100**	**1,900**	**750**	300
	03/18/94	TH/MW02-B	**4,200**	**1,900**	**950**	**6,100**	**2,180**	7,800
	06/16/94	TH/MW02-C	**1,700**	470	**620**	890	**610**	1,700
	09/23/94	TH/MW02-D	**3,100**	**1,200**	**450**	410	**980**	1,920
	02/28/95	TH/MW02-E	**2,600**	**1,100**	**310**	460	**790**	1,810
	05/31/95	TH/MW02-F	**2,100**	**710**	**250**	**1,400**	**810**	2,120
	08/30/95	TH/MW02-G	**3,300**	**900**	**370**	**3,500**	**700**	2,880
	12/14/95	TH/MW02-H	**4,900**	**1,100**	**310**	**4,700**	**850**	3,600
	03/11/96	TH/MW02-I	**3,000**	**820**	**280**	**1,700**	**480**	1,680
	06/27/96	TH/MW02-J	**3,800**	**1,300**	**240**	**5,300**	**1,240**	5,600
	09/27/96	TH/MW02-K	**3,700**	**1,300**	**270**	440	**1,020**	2,110
	12/11/96	TH/MW02-L	**1,700**	470	**280**	63	308	630
	03/20/97	TH/MW02-M	**2,200**	740	**140**	90	**730**	1,150
	06/25/97	TH/MW02-N	**1,900**	450	**160**	77	**500**	530
	09/18/97	TH/MW02-O	**940**	88	**780**	15	43.1	81.9
	12/15/97	TH/MW02-P	**2,400**	630	**170**	62	**616**	579
	02/19/98	TH/MW02-Q	**1,400**	220	**320**	22	132	112
	06/02/98	TH/MW02-R	**1,700**	200	**280**	28	109	84
	09/18/98	TH/MW02-S	**1,500**	440	**150**	43	337	394
	02/08/99	TH/MW02-T	**2,400**	300	**210**	21	291	210
	12/02/99	TH/MW02-U	**960**	180	**260**	11	119	100
	03/30/00	TH/MW02-V	**648**	283	**101**	22.4	255	171
	10/31/00	TH/MW02-W	**527**	391	**68.8**	15.8	248	295
	11/01/01	TH/MW02-X	**360**	300	**76**	13	145	156
	03/14/02	TH/MW02-Y	**538**	270	**90.1**	11.3	135	134
	06/20/02	TH/MW02-Z	**588**	412	31.3	15	233	284
	09/27/02	TH/MW02-AA	**606**	321	**67.5**	10.2	127	107
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes:
all concentrations reported in ug/L unless noted
PVOCs = Petroleum Volatile Organic Compounds
ND( ) = Not detected above limit of detection (detection limit)
-- = Parameter not analyzed for
NA = Not applicable, standard does not presently exist for this parameter
* = Groundwater Standards from s. NR 140, Wis. Adm. Code, June 2003
ES = NR 140 Enforcement Standard
PAL = NR 140 Preventive Action Limit

606 = Enforcement Standard Exceedence
300 = Preventive Action Limit Exceedence

Table C-5 continued
Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
MW03	12/13/93	TH/MW03-A	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	03/18/94	TH/MW03-B	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	06/16/94	TH/MW03-C	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	09/23/94	TH/MW03-D	**9.7**	ND(<1.0)	8.1	ND(<1.0)	ND	ND
	02/28/95	TH/MW03-E	1.6	ND(<1.0)	3.3	ND(<1.0)	ND	ND
	05/31/95	TH/MW03-F	3.9	ND(<1.0)	13	ND(<1.0)	ND	ND
	08/30/95	TH/MW03-G	1.4	ND(<1.0)	3.9	ND(<1.0)	ND	ND
	12/14/95	TH/MW03-H	1.6	ND(<1.0)	7.8	1.1	ND	ND
	03/11/96	TH/MW03-I	ND(<0.6)	ND(<1.0)	2.4	ND(<1.0)	ND	ND
	06/27/96	TH/MW03-J	ND(<0.6)	ND(<1.0)	3.5	ND(<1.0)	ND	ND
	09/27/96	TH/MW03-K	ND(<0.6)	ND(<1.0)	4.6	ND(<1.0)	ND	ND
	12/11/96	TH/MW03-L	ND(<0.6)	ND(<1.0)	3.6	ND(<1.0)	ND	ND
	03/20/97	TH/MW03-M	ND(<0.20)	ND(<0.30)	0.5 Q	ND(<0.40)	ND	ND
	06/25/97	TH/MW03-N	ND(<0.41)	ND(<0.23)	ND(<0.53)	ND(<0.28)	ND	ND
	09/17/97	TH/MW03-O	ND(<0.16)	ND(<0.29)	1.8	0.49 Q	ND	ND
	12/15/97	TH/MW03-P	ND(<0.16)	ND(<0.29)	2.1	ND(<0.36)	ND	ND
	02/19/98	TH/MW03-Q	ND(<0.20)	ND(<0.30)	3.1	0.2 Q	0.3	ND
	06/02/98	TH/MW03-R	ND(<0.27)	ND(<0.32)	1.4	ND(<0.27)	ND	ND
	09/18/98	TH/MW03-S	ND(<0.26)	ND(<0.24)	ND(<0.22)	ND(<0.21)	ND	ND
	12/02/99	TH/MW03-U	ND(<0.13)	ND(<0.22)	1.7	0.62	0.29	0.52
	03/30/00	Not sampled						
	10/31/00	TH/MW03-W	ND(<0.5)	ND(<0.5)	1.88	ND(<0.5)	ND	ND(<0.5)
	11/01/01	TH/MW03-X	ND(<0.45)	ND(<0.82)	ND(<0.43)	ND(<0.68)	ND	ND
	03/14/02	TH/MW03-Y	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/MW03-Z	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	09/27/02	TH/MW03-AA	ND(<0.500)	ND(<0.500)	1.08	ND(<0.500)	ND	0.703
MW04	12/13/93	TH/MW04-A	**1,000**	**930**	**130**	97	**1,180**	1,200
	03/18/94	TH/MW04-B	**1,300**	**1,300**	**110**	190	**1,890**	2,000
	06/16/94	TH/MW04-C	**1,000**	**950**	**86**	ND(<50)	**1,510**	1,400
	09/23/94	TH/MW04-D	**1,000**	**1,200**	**80**	26	**1,810**	1,521
	02/28/95	TH/MW04-E	**710**	**930**	**77**	41	**1,520**	931
	05/31/95	TH/MW04-F	**1,400**	**940**	57	130	**1,530**	1,243
	08/30/95	TH/MW04-G	**1,400**	**790**	**65**	50	**1,180**	909
	12/14/95	TH/MW04-H	**720**	**810**	46	36	**1,160**	747
	03/11/96	TH/MW04-I	**390**	680	37	34	**1,110**	664
	06/27/96	TH/MW04-J	**330**	**810**	ND(<25)	46	**1,520**	948
	09/27/96	TH/MW04-K	**140**	430	30	15	**770**	340
	12/11/96	TH/MW04-L	**130**	390	27	9.7	392	226
	03/20/97	TH/MW04-M	**67**	380	11	14	**526**	436
	06/25/97	TH/MW04-N	**150**	**1,400**	ND(<11)	6 Q	**2,420**	1,514
	09/18/97	TH/MW04-O	**33**	300	13	1.5 Q	287	251
	12/15/97	TH/MW04-P	**30**	280	36	1.5 Q	148	172
	02/19/98	TH/MW04-Q	**74**	**700**	ND(<4.0)	6 Q	**820**	732
	06/02/98	TH/MW04-R	**14**	220	3.8	0.34 Q	208	182
	09/18/98	TH/MW04-S	**16**	290	27	ND(<0.53)	100	24.1
	02/08/99	TH/MW04-T	**15**	250	ND(<4.1)	ND(<3.8)	339	220
	12/02/99	TH/MW04-U	3.7	84	ND(<3.2)	5.3	25	6.7
	03/30/00	TH/MW04-V	2.7	67.1	1.93	0.64	51.3	17.2
	10/31/00	TH/MW04-W	4.72	97.8	1.52	0.882	99.5	21.5
	11/03/01	TH/MW04-X	**19**	63	8.0	1.3	36	16
	03/14/02	TH/MW04-Y	1.95	48.0	0.991	0.641	53.1	15.2
	06/20/02	TH/MW04-Z	1.93	50.6	1.00	0.526	57.8	9.86
	09/28/02	TH/MW04-AA	1.38	27.7	1.70	0.841	4.61	2.25
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes: all concentrations reported in ug/L unless noted
PVOCs = Petroleum Volatile Organic Compounds
ND( ) = Not detected above limit of detection (detection limit)
-- = Parameter not analyzed for
NA = Not applicable, standard does not presently exist for this parameter
* = Groundwater Standards from s. NR 140, Wis. Adm. Code, June 2003
ES = NR 140 Enforcement Standard
PAL = NR 140 Preventive Action Limit
606 = Enforcement Standard Exceedence
300 = Preventive Action Limit Exceedence

Table 1-5 continued
Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
MW05	12/13/93	TH/MW05-A	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	03/18/94	TH/MW05-B	ND(<1.0)	3.1	ND(<1.0)	2.6	4.2	12
	06/16/94	TH/MW05-C	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	09/23/94	TH/MW05-D	ND(<0.6)	1	ND(<1.0)	ND(<1.0)	4.6	1
	02/28/95	TH/MW05-E	ND(<0.6)	ND(<5.0)	ND(<1.0)	ND(<1.0)	ND	ND
	05/31/95	TH/MW05-F	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	08/30/95	TH/MW05-G	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/14/95	TH/MW05-H	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/02/99	TH/MW05-U	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.34	ND	ND
	11/01/00	TH/MW05-W	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	0.725
	09/28/02	TH/MW05-AA	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
MW06	12/13/93	TH/MW06-A	**12,000**	**1,400**	**1,100**	**7,900**	**640**	5,300
	03/18/94	TH/MW06-B	**12,000**	**1,800**	**860**	**8,100**	**750**	6,500
	06/16/94	TH/MW06-C	**7,500**	ND(<200)	**730**	**5,400**	**270**	4,200
	09/23/94	TH/MW06-D	**9,000**	**1,900**	**670**	**8,500**	**930**	6,700
	02/28/95	TH/MW06-E	**7,600**	**1,800**	**540**	**5,000**	**990**	6,400
	05/31/95	TH/MW06-F	**8,200**	**1,600**	**410**	**4,800**	**900**	5,300
	08/30/95	TH/MW06-G	**7,200**	**1,500**	**470**	**4,600**	**840**	5,000
	12/14/95	TH/MW06-H	**7,300**	**1,600**	**400**	**2,900**	**880**	5,100
	03/11/96	TH/MW06-I	**8,600**	**2,000**	**480**	**4,600**	**1,160**	6,700
	06/27/96	TH/MW06-J	**6,900**	**1,900**	**370**	**4,400**	**1,090**	6,300
	09/27/96	TH/MW06-K	**11,000**	**650**	**540**	**1,200**	297	1,690
	12/11/96	TH/MW06-L	**9,800**	**400**	**400**	510	86	790
	03/20/97	TH/MW06-M	**7,200**	**1,800**	**320**	**2,800**	**1,010**	5,600
	06/25/97	TH/MW06-N	**5,200**	**1,400**	**210**	**1,900**	**750**	3,800
	09/18/97	TH/MW06-O	**4,100**	600	**190**	610	277	1,300
	12/15/97	TH/MW06-P	**5,300**	**1,100**	**250**	760	**680**	3,400
	02/19/98	TH/MW06-Q	**6,700**	620	**320**	630	270	1,670
	06/02/98	TH/MW06-R	**5,900**	**950**	**250**	660	368	2,600
	09/18/98	TH/MW06-S	**4,100**	640	**240**	220	291	1,410
	02/08/99	TH/MW06-T	**7,900**	**1,500**	**280**	690	**900**	3,100
	12/02/99	TH/MW06U	**7,700**	**870**	**210**	490	325	2,100
	03/30/00	TH/MW06-V	**8,000**	**1,210**	**297**	620	**514**	2,930
	10/31/00	TH/MW06-W	**5,410**	**1,490**	**211**	424	**901**	5,100
	11/03/01	TH/MW06-X	**4,700**	**1,400**	**140**	330	**760**	3,900
	03/14/02	TH/MW06-Y	**4,470**	**1,880**	**69.4**	498	**1,249**	2,810
	06/20/02	TH/MW06-Z	**4,470**	**1,560**	**63**	357	**985**	4,840
	09/28/02	TH/MW06-AA	**5,560**	**1,200**	**118**	387	**610**	3,560
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes: all concentrations reported in ug/L unless noted
PVOCs = Petroleum Volatile Organic Compounds
ND( ) = Not detected above limit of detection (detection limit)
-- = Parameter not analyzed for
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PAL = NR 140 Preventive Action Limit
606 = Enforcement Standard Exceedence
300 = Preventive Action Limit Exceedence

Table C-5 continued
Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
MW07	12/13/93	TH/MW07-A	ND(<1.0)	ND(<1.0)	2.8	ND(<1.0)	ND	ND
	03/18/94	TH/MW07-B	ND(<1.0)	ND(<1.0)	180	ND(<1.0)	ND	ND
	06/16/94	TH/MW07-C	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	09/23/94	TH/MW07-D	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	02/28/95	TH/MW07-E	ND(<0.6)	ND(<1.0)	10	ND(<1.0)	ND	ND
	05/31/95	TH/MW07-F	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	08/30/95	TH/MW07-G	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/14/95	TH/MW07-H	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/02/99	TH/MW07-U	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.74	ND	ND
	10/31/00	TH/MW07-W	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	0.608
	09/27/02	TH/MW07-AA	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
MW08	12/13/93	TH/MW08-A	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	03/18/94	TH/MW08-B	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	06/16/94	TH/MW08-C	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	09/23/94	TH/MW08-D	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	02/28/95	TH/MW08-E	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	05/31/95	TH/MW08-F	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	08/30/95	TH/MW08-G	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/14/95	TH/MW08-H	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/02/99	TH/MW08-U	ND(<0.13)	ND(<0.22)	ND(<0.16)	ND(<0.20)	ND	ND
	10/31/00	TH/MW08-W	**22**	12.7	ND(<0.2)	2.81	5.01	38.3
	11/03/01	TH/MW08-X	ND(<0.45)	ND(<0.82)	ND(<0.43)	ND(<0.68)	ND	ND
	03/14/02	TH/MW08-Y	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/MW08-Z	ND(<0.500)	ND(<0.500)	ND(<0.200)	1.75	ND	0.738
	09/28/02	TH/MW08-AA	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
GW01	06/27/96	TH/GW01-03	16	ND(<1.0)	4.8	ND(<1.0)	ND	ND
	09/27/96	TH/GW01-04	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND
	12/11/96	TH/GW01-05	1.4	ND(<1.0)	3	ND(<1.0)	ND	ND
	06/25/97	TH/GW01-07	ND(<0.16)	ND(<0.29)	0.85	ND(<0.36)	ND	ND
	09/17/97	TH/GW01-08	ND(<0.16)	ND(<0.29)	6.7	ND(<0.36)	ND	ND
	12/15/97	TH/GW01-09	7.8	ND(<0.23)	9.1	ND(<0.28)	ND	ND
	02/19/98	TH/GW01-10	ND(<0.20)	ND(<0.30)	ND(<0.20)	0.3 Q	0.3 Q	ND
	06/02/98	TH/GW01-11	0.52 Q	ND(<0.32)	1.2	ND(<0.27)	ND	ND
	09/18/98	TH/GW01-12	ND(<0.26)	ND(<0.24)	ND(<0.22)	ND(<0.21)	ND	ND
	12/03/99	TH/GW01-14	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.41	ND	0.25
	03/30/00	Not Sampled						
	11/01/00	TH/GW01-16	0.754	2.55	ND(<0.2)	ND(<0.5)	3.72	11.5
	11/01/01	TH/GW01-17	ND(<0.45)	ND(<0.82)	ND(<0.43)	ND(<0.68)	ND	ND
	03/14/02	TH/GW01-18	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/GW01-19	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	09/27/02	TH/GW01-20	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes: all concentrations reported in ug/L unless noted
PVOCs = Petrolcum Volatile Organic Compounds
ND( ) = Not detected above limit of detection (detection limit)
-- = Parameter not analyzed for
NA = Not applicable, standard does not presently exist for this parameter
* = Groundwater Standards from s. NR 140, Wis. Adm. Code, June 2003
ES = NR 140 Enforcement Standard
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606 = Enforcement Standard Exceedence
300 = Preventive Action Limit Exceedence

Table 6-5 continued
Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
GW02	05/31/95	TH/GW02-F	**1,600**	**2,100**	ND(<100)	**13,000**	**1,870**	**10,400**
	12/14/95	TH/GW02-01	**480**	**1,300**	ND(<25)	**4,000**	**1,130**	6,700
	03/11/96	TH/GW02-02	**430**	**1,800**	30	**3,600**	**1,490**	8,200
	06/27/96	TH/GW02-03	**330**	**1,900**	ND(<50)	**1,800**	**1,590**	7,600
	09/27/96	TH/GW02-04	**250**	**2,100**	ND(<50)	**1,700**	**1,740**	8,100
	12/11/96	TH/GW02-05	**100**	**1,200**	ND(<25)	520	**1,090**	4,300
	03/20/97	TH/GW02-06	**16**	130	1.7	71	148	570
	06/25/97	TH/GW02-07	**54**	**830**	7.1	290	**860**	3,600
	09/17/97	TH/GW02-08	**65**	**1,300**	17	520	**1,200**	5,500
	12/12/97	TH/GW02-09	**310**	**1,200**	36	340	**1,220**	4,700
	02/19/98	TH/GW02-10	**210**	**1,200**	ND(<20)	320	**1,130**	4,900
	06/02/98	TH/GW02-11	**68**	**820**	7	240	**1,100**	4,600
	09/18/98	TH/GW02-12	**37**	190	26	78	**730**	2,400
	02/08/99	TH/GW02-13	**24**	320	ND(<4.1)	62	**810**	420
	12/03/99	TH/GW02-14	**32**	240	ND(<6.4)	51	**660**	1,500
	03/30/00	TH/GW02-15	**43.3**	538	7.66	86.8	**1,144**	2,370
	11/01/00	TH/GW02-16	**40.2**	163	10.6	30.9	400	849
	11/03/01	TH/GW02-17	**20**	150	ND(<1.1)	11	355	210
	03/14/02	TH/GW02-18	**36.1**	303	24.5	34.8	**750**	1,150
	06/20/02	TH/GW02-19	**6.54**	129	2.83	15.9	339	564
	09/28/02	TH/GW02-20	**16.0**	314	11.7	38.2	**883**	1,350
GW03	12/14/95	TH/GW03-01	**11,000**	**2,200**	**390**	**15,000**	**1,530**	**10,900**
	06/27/96	TH/GW03-03	**7,200**	**980**	**190**	**9,300**	**760**	4,900
	09/27/96	TH/GW03-04	**5,800**	**1,300**	**490**	**16,000**	**1,810**	9,900
	12/11/96	TH/GW03-05	**320**	220	ND(<50)	380	**620**	1,430
	03/20/97	TH/GW03-06	**330**	33	16	110	34	204
	06/25/97	TH/GW03-07	**320**	62	22	280	65.1	296
	09/18/97	TH/GW03-08	**5,200**	**1,900**	**93**	**10,000**	**1,300**	9,000
	12/12/97	TH/GW03-09	**4,700**	450	ND(<10)	90	459 Q	1,590
	02/19/98	TH/GW03-10	**7**	5.4	2.7	1	1.7	16.2
	06/02/98	TH/GW03-11	**170**	19	11	93	1.3	66
	09/18/98	TH/GW03-12	**2,300**	**2,000**	**170**	**4,700**	**1,690**	**10,300**
	02/08/99	TH/GW03-13	**1,600**	530	**74**	**1,200**	**540**	2,500
	12/03/99	TH/GW03-14	**280**	83	ND(<3.2)	8.4	125	230
	03/30/00	TH/GW03-15	**39.3**	6.68	0.943	1.79	9.97	10.8
	11/01/00	TH/GW03-16	**1,340**	401	24.5	41.3	328	1,080
	11/01/01	TH/GW03-17	**2,800**	520	29	930	360	2,530
	03/14/02	TH/GW03-18	**2,880**	482	35	**1,020**	256	2,250
	06/20/02	TH/GW03-19	**2,550**	397	33	864	**5,380**	1,570
	09/27/02	TH/GW03-20	**2,050**	603	7.62	35.7	**560**	1,790
GW04	12/14/95	TH/GW04-01	ND(<0.6)	ND(<1.0)	ND(<1.0)	1.2	ND	ND
	12/03/99	TH/GW04-14	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.49	ND	0.27
	03/30/00	Not Sampled						
	11/01/00	TH/GW04-16	2.44	1.25	ND(<0.2)	ND(<0.5)	1.57	18.2
	11/01/01	TH/GW04-17	ND(<0.45)	ND(<0.82)	ND(<0.43)	ND(<0.68)	ND	ND
	03/14/02	TH/GW04-18	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/GW04-19	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	09/27/02	TH/GW04-20	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

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Table C-5 continued
Summary of Quarterly Groundwater Analytical Results
Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
GW06	12/14/95	TH/GW06-01	**3,900**	450	59	**2,600**	384	1,950
	03/11/96	TH/GW06-02	**2,800**	280	33	810	298	1,060
	06/27/96	TH/GW06-03	**69**	11	1.3	22	20.3	26.6
	09/27/96	TH/GW06-04	**3,300**	490	ND(<100)	**6,300**	**780**	4,300
	12/11/96	TH/GW06-05	**600**	150	9.7	170	396	1,270
	03/20/97	TH/GW06-06	**200**	150	3.2	47	379	1,000
	06/25/97	TH/GW06-07	**310**	65	2.5 Q	360	128	420
	09/18/97	TH/GW06-08	**320**	92	21	210	169	730
	12/12/97	TH/GW06-09	**3,500**	170	**170**	43	230	196
	02/19/98	TH/GW06-10	**34**	6.4	ND(<0.20)	8.5	17.9	23.5
	06/02/98	TH/GW06-11	**42**	15	1.1	8.4	11.1	38
	09/18/98	TH/GW06-12	**180**	45	25	32	109	290
	02/08/99	TH/GW06-13	**970**	64	7.6	24	93	110
	12/03/99	TH/GW06-14	**39**	9.5	ND(<1.1)	1.3	15	4.5
	03/30/00	TH/GW06-15	**7.33**	1.52	ND(<0.200)	0.59	3.07	2.41
	11/01/00	TH/GW06-16	**43.8**	6.13	ND(<0.200)	0.978	12.4	18.2
	11/01/01	TH/GW06-17	**130**	23	1	4.2	38.2	68
	03/14/02	TH/GW06-18	**135**	12.5	0.638	2.1	13.8	25.3
	06/20/02	TH/GW06-19	**10.6**	4.24	ND(<0.200)	ND(<0.500)	6.17	7.28
	09/27/02	TH/GW06-20	**22.2**	3.2	0.803	ND(<0.500)	6.5	9.51
GW07	05/31/95	TH/GW07-F	**12,000**	**880**	**370**	**4,100**	**870**	4,600
	12/14/95	TH/GW07-01	**17,000**	**1,300**	**190**	**2,200**	**1,430**	6,200
	03/11/96	TH/GW07-02	**19,000**	**1,600**	**270**	**1,500**	**1,400**	6,280
	06/27/96	TH/GW07-03	**13,000**	**1,100**	**190**	**2,400**	**1,310**	5,600
	09/27/96	TH/GW07-04	**17,000**	**1,500**	**ND(<200)**	**1,300**	**1,310**	6,100
	12/11/96	TH/GW07-05	**12,000**	**1,400**	**110**	930	**1,290**	5,470
	03/20/97	TH/GW07-06	**7,900**	**1,000**	**74**	230	**920**	3,690
	06/25/97	TH/GW07-07	**10,000**	**1,300**	**68 Q**	870	**1,180**	5,240
	09/18/97	TH/GW07-08	**9,500**	**1,400**	ND(<20)	670	**1,270**	5,380
	12/12/97	TH/GW07-09	**12,000**	**1,500**	ND(<20)	540	**1,380**	5,470
	02/19/98	TH/GW07-10	**15,000**	**1,400**	**150**	400	**1,360**	4,560
	06/02/98	TH/GW07-11	**9,000**	**1,300**	33	480	**1,250**	5,480
	09/18/98	TH/GW07-12	**2,600**	**860**	18	210	**1,420**	4,480
	02/08/99	TH/GW07-13	**330**	510	ND(<4.1)	24	**1,150**	2,800
	12/03/99	TH/GW07-14	**4,400**	**890**	ND(<6.4)	100	**1,120**	3,700
	03/30/00	TH/GW07-15	**5,430**	**1,010**	29	104	**1,305**	3,820
	11/01/00	TH/GW07-16	**7,100**	**875**	**63.7**	92	**1,093**	3,340
	11/01/01	No Sample						
	03/14/02	TH/GW07-18	**3,990**	**936**	ND(<20.0)	74.4	**1,055**	3,460
	06/20/02	TH/GW07-19	**5,020**	**965**	**145**	91.7	**1,061**	3,400
	09/27/02	TH/GW07-20	**11,600**	**1,520**	26.0	181	**1,637**	5,580
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes: all concentrations reported in ug/L unless noted
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Table C-5 continued
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Former Theresa Union 76 Station
Town of Wayne, Wisconsin

Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
GW08	05/31/95	TH/GW08-F	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	ND(<2.0)
	12/14/95	TH/GW08-01	ND(<0.6)	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND	1.5
	12/03/99	TH/GW08-14	ND(<0.13)	ND(<0.22)	0.35	0.31	ND	ND
	03/30/00	Not Sampled						
	11/01/00	TH/GW08-16	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<0.5)	ND	1.11
	11/01/01	TH/GW08-17	ND(<0.45)	ND(<0.82)	1.3	ND(<0.68)	ND	ND
	03/14/02	TH/GW08-18	ND(<0.500)	ND(<0.500)	0.511	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/GW08-19	ND(<0.500)	ND(<0.500)	1.06	ND(<0.500)	ND	ND(<0.500)
	09/28/02	TH/GW08-19	ND(<0.500)	ND(<0.500)	4.50	ND(<0.500)	ND	ND(<0.500)
GW10	12/14/95	TH/GW10-01	ND(<0.6)	1.6	ND(<1.0)	2.2	1.4	6.2
	12/03/99	TH/GW10-14	ND(<0.13)	ND(<0.22)	ND(<0.16)	0.33	ND	ND
	03/30/00	Not Sampled						
	11/01/00	TH/GW10-16	ND(<0.5)	1.45	ND(<0.2)	0.709	4.38	3.67
	11/01/01	TH/GW10-17	ND(<0.45)	ND(<0.82)	ND(<0.43)	ND(<0.68)	ND	ND
	03/14/02	TH/GW10-18	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	06/20/02	TH/GW10-19	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
	09/28/02	TH/GW10-20	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
GW11	12/14/95	TH/GW11-01	**410**	**1,000**	ND(<10)	460	**610**	1,830
	03/11/96	TH/GW11-02	**670**	**710**	9	600	**480**	790
	06/27/96	TH/GW11-03	1.6	70	19	2.7	**510**	171
	09/27/96	TH/GW11-04	**210**	410	14	240	227	880
	12/11/96	TH/GW11-05	**550**	**1,500**	ND(<25)	**1,800**	**717**	3,280
	03/20/97	TH/GW11-06	**650**	**1,200**	ND(<2.0)	230	**495**	1,120
	06/25/97	TH/GW11-07	**190**	530	13	130	243	690
	09/17/97	TH/GW11-08	**120**	290	ND(<0.40)	59	149	300
	12/12/97	TH/GW11-09	**590**	**2,100**	ND(<5.0)	**3,500**	**1,090**	6,000
	02/19/98	TH/GW11-10	**700**	**1,400**	ND(<10)	**2,000**	615	3,200
	06/02/98	TH/GW11-11	0.76	ND(<0.32)	ND(<0.32)	1.3	72	29.4
	09/18/98	TH/GW11-12	**6.8**	24	17	27	142.3	71
	02/08/99	TH/GW11-13	**5**	1.6	ND(<0.41)	1.2	6.2	3.4
	12/03/99	TH/GW11-14	**220**	83	ND(<3.2)	68	33	190
	03/30/00	TH/GW11-15	**140**	625	4.67	329	413.8	1,810
	11/01/00	TH/GW11-16	**132**	**1,090**	ND(<50)	794	**708**	3,060
	11/03/01	TH/GW11-17	**54**	380	ND(<2.1)	88	124	768
	03/14/02	TH/GW11-18	**129**	353	22.4	78.6	156	456
	06/20/02	TH/GW11-19	1.47	24.2	2.24	5.92	10.7	53.3
	09/28/02	TH/GW11-20	**71.6**	**1,260**	ND(<0.200)	413	416	2,780
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

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Well Number	Date Sampled	Sample ID	Benzene	Ethylbenzene	MTBE	Toluene	Trimethyl-benzenes	Total Xylenes
GW12	12/14/95	TH/GW12-01	**180**	130	43	80	209	204
	03/11/96	TH/GW12-02	**170**	150	34	140	245	284
	06/27/96	TH/GW12-03	**78**	70	20	28	161	128
	09/27/96	TH/GW12-04	**58**	14	11	6	38	41
	12/11/96	TH/GW12-05	**51**	ND(<1.0)	20	ND(<1.0)	ND(<1.0)	ND
	06/25/97	TH/GW12-07	**81**	7.8	15	0.98	2.8	13.1
	09/17/97	TH/GW12-08	**51**	4.3	15	0.65	1.4	5.2
	12/12/97	TH/GW12-09	**28**	0.97	19	ND(<0.36)	ND(<0.34)	ND
	02/19/98	TH/GW12-10	**24**	4.3	26	0.8	1.6	5.7
	06/02/98	TH/GW12-11	**38**	2.7	27	0.29	1.2	3.27
	09/18/98	TH/GW12-12	**21**	1.5	14	0.22	3.6	0.49
	02/08/99	TH/GW12-13	3.1	34	ND(<0.41)	2	29.5	5.7
	12/03/99	TH/GW12-14	4	0.68	3.3	0.21	1.4	0.29
	03/30/00	TH/GW12-15	**5.39**	2.04	4.31	ND(<0.5)	5.48	2.78
	11/01/00	TH/GW12-16	0.679	3.15	1.62	0.576	9.93	2.31
	11/03/01	TH/GW12-17	2.3	1.7	ND(<0.43)	ND(<0.68)	2.8	ND
	03/14/02	TH/GW12-18	ND(<0.500)	2.56	0.698	ND(<0.500)	4.82	2.02
	06/20/02	TH/GW12-19	ND(<0.500)	0.906	0.725	ND(<0.500)	ND	0.785
	09/28/02	TH/GW12-20	ND(<0.500)	ND(<0.500)	ND(<0.200)	ND(<0.500)	ND	ND(<0.500)
NR 140 ES*			5	700	60	1,000	480	10,000
NR140 PAL*			0.5	140	12	200	96	1,000

Notes: all concentrations reported in ug/L unless noted
PVOCs = Petroleum Volatile Organic Compounds
ND( ) = Not detected above limit of detection (detection limit)
-- = Parameter not analyzed for
NA = Not applicable, standard does not presently exist for this parameter
* = Groundwater Standards from s. NR 140, Wis. Adm. Code, June 2003
ES = NR 140 Enforcement Standard
PAL = NR 140 Preventive Action Limit

606 = Enforcement Standard Exceedence
300 = Preventive Action Limit Exceedence

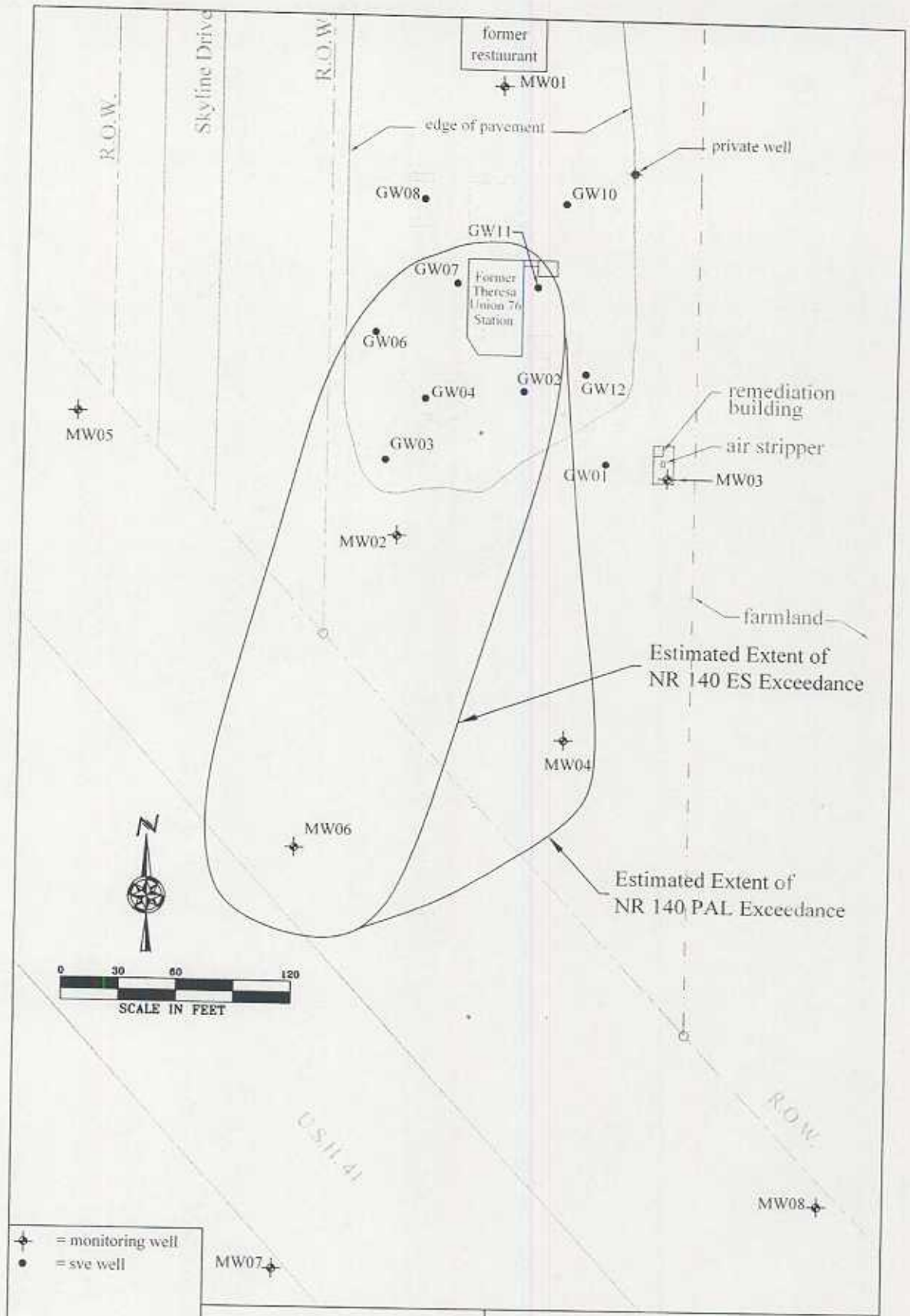


FIGURE B-8
ESTIMATED EXTENT OF PETROLEUM IMPACTED GROUNDWATER

Former Theresa Union 76
9292 Skyline Drive
Wayne, WI

E2M
Environmental & Engineering Management LLC
W223 N7343 Carole Court, Sussex, WI 53089

DATE:	DRAFTED BY:	APPROVED BY:	REV NO.
06/08/04	CAM		

SCALE: 1" = 60 feet | FILE: theresa_base

Table C-6
Historic Water Table Levels
Former Theresa Union 76
Wayne, Wisconsin

Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)	Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)
				1,009.37					1,008.25
	07/21/95	10.03	999.34			07/21/95	14.93	993.32	
	07/28/95	10.05	999.32			07/28/95	14.66	993.59	
	08/18/95	9.40	999.97			08/18/95	12.72	995.53	
	08/30/95	9.88	999.49			08/30/95	10.97	997.28	
	09/22/95	9.57	999.80			09/22/95	13.03	995.22	
	12/14/95	8.65	1,000.72			12/14/95	11.90	996.35	
	03/11/96	10.27	999.10			03/11/96	13.46	994.79	
	06/27/96	6.20	1,003.17			06/27/96	10.24	998.01	
	08/15/96	8.86	1,000.51			08/15/96	14.89	993.36	
	09/11/96	10.15	999.22			09/11/96	15.70	992.55	
MW01	10/16/96	10.92	998.45		MW02	10/16/96	16.35	991.90	
	12/11/96	11.34	998.03			12/11/96	15.94	992.31	
	03/20/97	9.47	999.90			03/20/97	12.70	995.55	
	06/25/97	7.89	1,001.48			06/25/97	13.12	995.13	
	09/17/97	9.55	999.82			09/17/97	14.87	993.38	
	12/12/97	10.95	998.42			12/12/97	16.02	992.23	
	02/19/98	–	–			02/19/98	14.10	994.15	
	06/02/98	8.28	1,001.09			06/02/98	13.79	994.46	
	09/18/98	–	–			09/18/98	15.01	993.24	
	02/18/99	7.30	1,002.07			02/18/99	10.87	997.38	
	12/03/99	9.95	999.42			12/03/99	14.93	993.32	
	03/30/00	–	–			03/30/00	14.23	994.02	
	11/01/00	–	–			11/01/00	14.80	993.45	
	11/01/01	–	–			11/01/01	10.45	*	
	03/14/02	–	–			03/14/02	9.72	*	
	06/20/02	–	–			06/20/02	11.75	*	
	09/27/02	9.02	1,000.35			09/27/02	14.76	*	
				1,007.67					1,007.56
	07/21/95	11.53	996.14			07/21/95	16.60	990.96	
	07/28/95	10.47	997.20			07/28/95	16.47	991.09	
	08/18/95	8.34	999.33			08/18/95	14.94	992.62	
	08/30/95	6.20	1,001.47			08/30/95	12.96	994.60	
	09/22/95	9.38	998.29			09/22/95	14.34	993.22	
	12/14/95	7.95	999.72			12/14/95	13.31	994.25	
	03/11/96	10.05	997.62			03/11/96	14.13	993.43	
	06/27/96	8.74	998.93			06/27/96	12.69	994.87	
	08/15/96	10.50	997.17			08/15/96	16.29	991.27	
	09/11/96	11.84	995.83			09/11/96	17.06	990.50	
MW03	10/16/96	13.64	994.03		MW04	10/16/96	17.49	990.07	
	12/11/96	13.58	994.09			12/11/96	16.61	990.95	
	03/20/97	8.80	998.87			03/20/97	13.25	994.31	
	06/25/97	7.27	1,000.40			06/25/97	14.41	993.15	
	09/17/97	10.18	997.49			09/17/97	16.30	991.26	
	12/12/97	13.69	993.98			12/12/97	16.79	990.77	
	02/19/98	9.91	997.76			02/19/98	14.73	992.83	
	06/02/98	9.20	998.47			06/02/98	15.52	992.04	
	09/18/98	10.79	996.88			09/18/98	17.20	990.36	
	02/18/99	–	–			02/18/99	12.05	995.51	
	12/03/99	12.10	995.57			12/03/99	15.80	991.76	
	03/30/00	–	–			03/30/00	15.19	992.37	
	11/01/00	10.68	996.99			11/01/00	14.81	992.75	
	11/01/01	6.82	1,000.85			11/03/01	12.69	994.87	
	03/14/02	5.05	1,002.62			03/15/02	11.89	995.67	
	06/20/02	8.32	999.35			06/21/02	13.2	994.36	
	09/27/02	12.49	995.18			09/28/02	16.06	991.50	

Note: Depth to groundwater measured from top of PVC elevation
* = MW02 has been damaged (bent) assumedly from snow plow activities between 11/00 and 11/01.
MSL = Mean Sea Level
– = Water table measurement not obtained

Table 2-8 continued
Historic Water Table Levels
Former Theresa Union 76
Wayne, Wisconsin

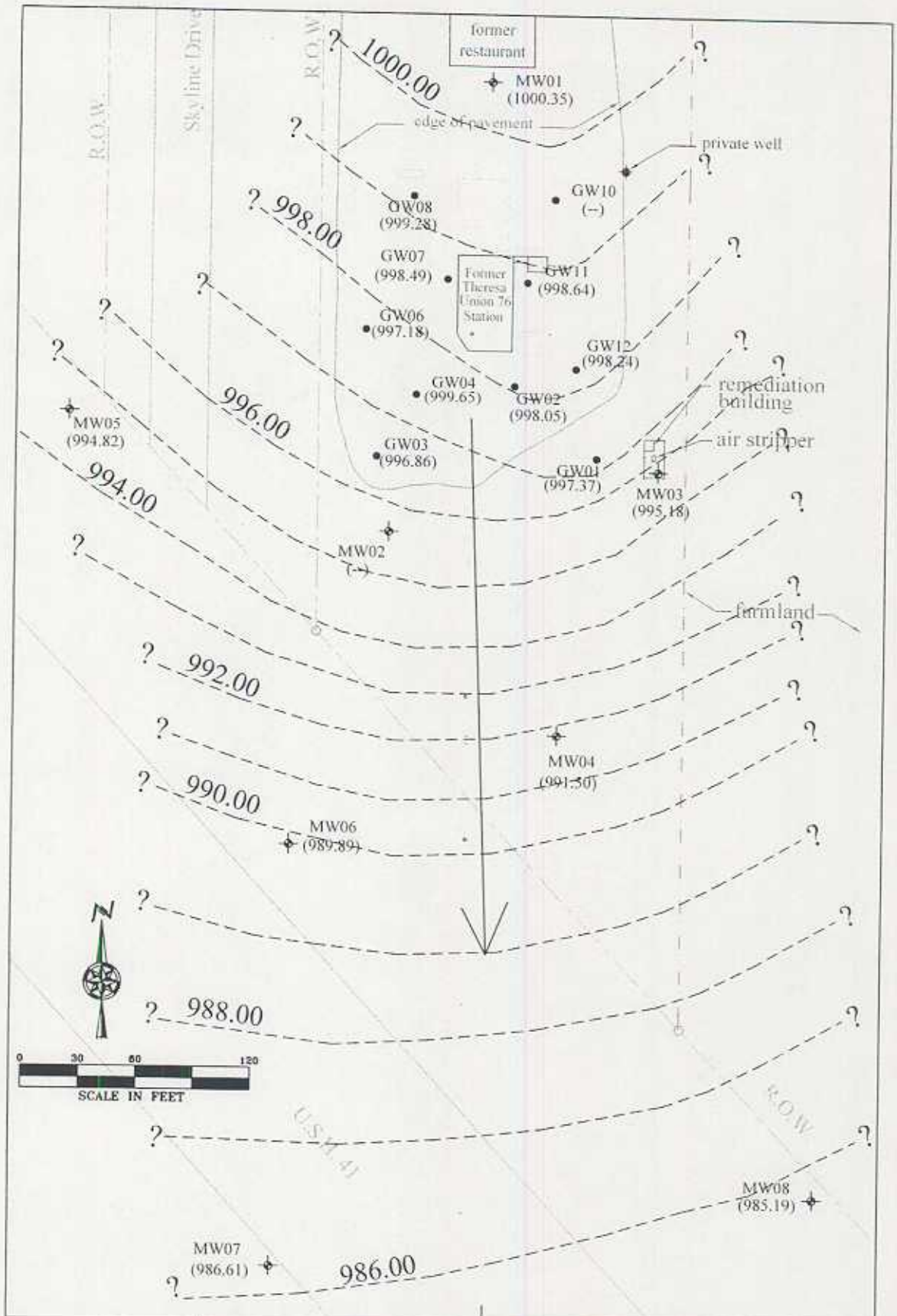
Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)	Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)
				1,008.89					1,007.56
	07/21/95	14.08	994.81			07/21/95	17.09	990.47	
	07/28/95	13.51	995.38			07/28/95	16.50	991.06	
	08/18/95	10.84	998.05			08/18/95	14.98	992.58	
	08/30/95	9.63	999.26			08/30/95	13.84	993.72	
	09/22/95	11.22	997.67			09/22/95	15.22	992.34	
	12/14/95	11.30	997.59			12/14/95	14.50	993.06	
	03/11/96	13.51	995.38			03/11/96	15.43	992.13	
	06/27/96	--	--			06/27/96	13.53	994.03	
	08/15/96	--	--			08/15/96	16.99	990.57	
MW05	09/11/96	--	--		MW06	09/11/96	18.42	989.14	
	10/16/96	--	--			10/16/96	17.80	989.76	
	12/11/96	--	--			12/11/96	17.63	989.93	
	03/20/97	11.84	997.05			03/20/97	14.82	992.74	
	06/25/97	11.13	997.76			06/25/97	15.49	992.07	
	09/17/97	13.41	995.48			09/17/97	16.82	990.74	
	12/12/97	16.40	992.49			12/12/97	14.54	993.02	
	02/19/98	--	--			02/19/98	15.70	991.86	
	06/02/98	12.52	996.37			06/02/98	16.10	991.46	
	09/18/98	--	--			09/18/98	17.48	990.08	
	02/18/99	--	--			02/18/99	14.16	993.40	
	12/03/99	15.15	993.74			12/03/99	16.78	990.78	
	03/30/00	--	--			03/30/00	16.29	991.27	
	11/01/00	13.54	995.35			11/01/00	15.83	991.73	
	11/01/01	--	--			11/03/01	14.39	993.17	
	03/14/02	--	--			03/15/02	13.72	993.84	
	06/20/02	--	--			06/21/02	14.36	993.20	
	09/27/02	14.07	994.82			09/28/02	17.67	989.89	
				1,005.60					993.09
	07/21/95	19.94	985.66			07/21/95	8.36	984.73	
	07/28/95	19.53	986.07			07/28/95	8.48	984.61	
	08/18/95	18.12	987.48			08/18/95	5.29	987.80	
	08/30/95	17.68	987.92			08/30/95	4.50	988.59	
	09/22/95	18.34	987.26			09/22/95	5.33	987.76	
	12/14/95	17.96	987.64			12/14/95	4.26	988.83	
	03/11/96	18.38	987.22			03/11/96	3.88	989.21	
	06/27/96	--	--			06/27/96	--	--	
	08/15/96	--	--			08/15/96	--	--	
MW07	09/11/96	--	--		MW08	09/11/96	--	--	
	10/16/96	--	--			10/16/96	--	--	
	12/11/96	--	--			12/11/96	--	--	
	03/20/97	17.60	988.00			03/20/97	4.41	988.68	
	06/25/97	18.10	987.50			06/25/97	--	--	
	09/17/97	18.71	986.89			09/17/97	--	--	
	12/12/97	19.14	986.46			12/12/97	--	--	
	02/19/98	--	--			02/19/98	--	--	
	06/02/98	18.54	987.06			06/02/98	--	--	
	09/18/98	--	--			09/18/98	--	--	
	02/18/99	--	--			02/18/99	--	--	
	12/03/99	18.76	986.84			12/03/99	6.28	986.81	
	03/30/00	--	--			03/30/00	--	--	
	11/01/00	18.49	987.11			11/01/00	5.74	987.35	
	11/01/01	--	--			11/03/01	3.95	989.14	
	03/14/02	--	--			03/15/02	3.43	989.66	
	06/20/02	--	--			06/21/02	4.23	988.86	
	09/27/02	18.99	986.61			09/28/02	7.90	985.19	

Note: Depth to groundwater measured from top of PVC elevation
MSL = Mean Sea Level
-- = Water table measurement not obtained

Table C-6
Water Table Levels - SVE Wells
Former Theresa Union 76
Wayne, Wisconsin

Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)	Well ID Number	Sample Date	Depth to Groundwater (ft.)	Elevation of Groundwater (ft., MSL)	Elevation Top of Riser (ft., MSL)
				1,005.29					1,006.14
	11/01/00	6.13	999.16			11/01/00	7.64	998.50	
	11/01/01	4.55	1,000.74			11/03/01	5.67	1,000.47	
GW01	03/14/02	3.22	1,002.07		GW02	03/15/02	4.75	1,001.39	
	06/20/02	4.77	1,000.52			06/21/02	5.26	1,000.88	
	09/27/02	7.92	997.37			09/28/02	8.09	998.05	
				1005.65					1005.74
	11/01/00	9.90	995.75			11/01/00	10.13	995.61	
	11/01/01	6.89	998.76			11/01/01	3.72	1,002.02	
GW03	03/14/02	5.62	1,000.03		GW04	03/14/02	2.53	1,003.21	
	06/20/02	7.83	997.82			06/20/02	3.75	1,001.99	
	09/27/02	8.79	996.86			09/27/02	6.09	999.65	
				1005.97					1006.09
	11/01/00	--	--			11/01/00	7.15	998.94	
	11/01/01	5.06	1,000.91			11/01/01	--	--	
GW06	03/14/02	4.75	1,001.22		GW07	03/15/02	4.94	1,001.15	
	06/20/02	5.92	1,000.05			06/20/02	4.97	1,001.12	
	09/27/02	8.79	997.18			09/27/02	7.60	998.49	
				1005.83					1006.44
	11/01/00	--	--			11/01/00	4.82	1,001.62	
	11/01/01	4.30	1,001.53			11/01/01	3.15	1,003.29	
GW08	03/15/02	4.50	1,001.33		GW10	03/15/02	3.21	1,003.23	
	06/21/02	3.69	1,002.14			06/21/02	1.65	1,004.79	
	09/28/02	6.55	999.28			09/28/02	5.09	1,001.35	
				1006.95					1006.19
	11/01/00	7.56	999.39			11/01/00	7.36	998.83	
	11/03/01	6.00	1,000.95			11/03/01	5.52	1,000.67	
GW11	03/15/02	5.03	1,001.92		GW12	03/15/02	4.56	1,001.63	
	06/21/02	5.20	1,001.75			06/21/02	5.12	1,001.07	
	09/28/02	8.31	998.64			09/28/02	7.95	998.24	

Note: Depth to groundwater measured from top of PVC elevation
MSL = Mean Sea Level
-- = Water table measurement not obtained



✦ = monitoring well

• = sve well

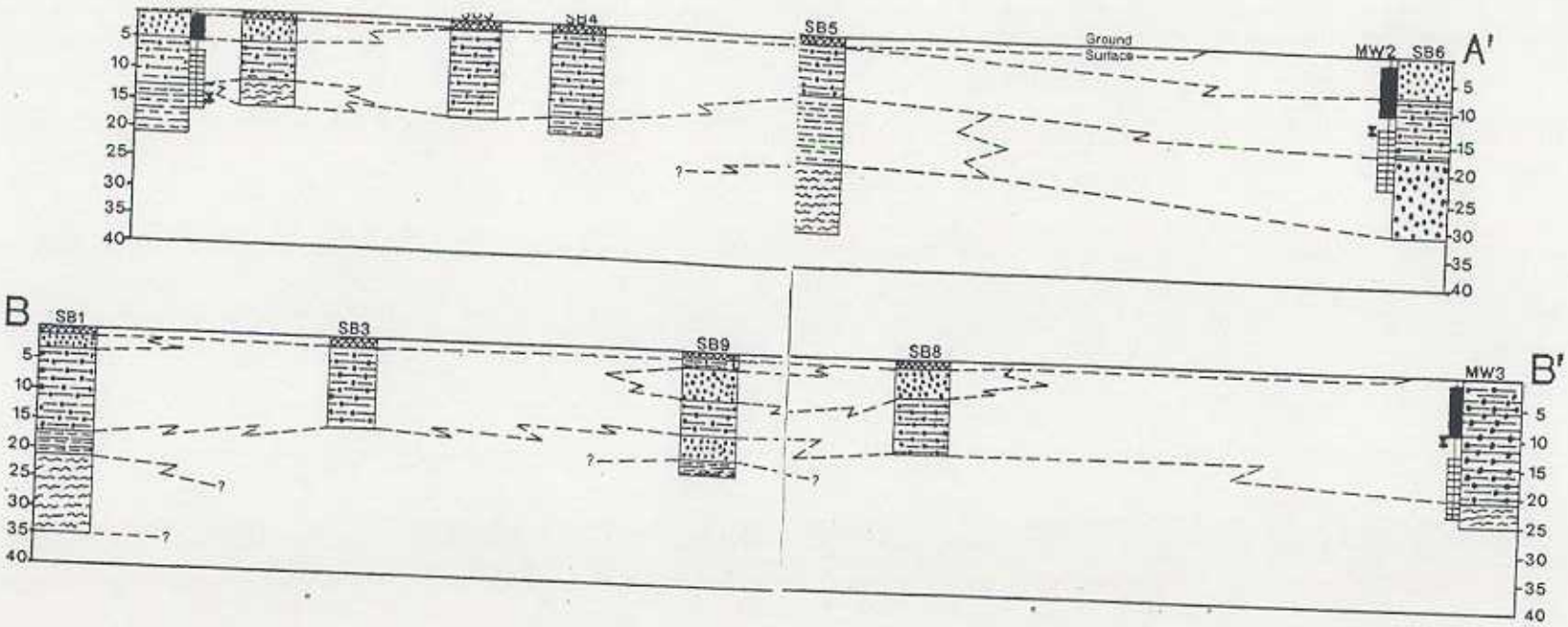
FIGURE B-7
INTERPRETED GROUNDWATER FLOW DIRECTION
(September 27, 2002)

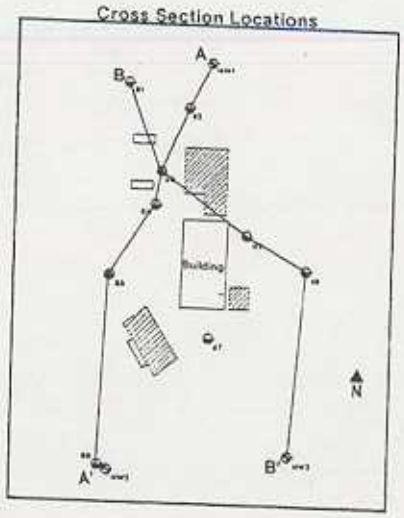
Former Theresa Union 76
9292 Skyline Drive
Wayne, WI

E2M
Environmental & Engineering Management LLC
W223 N7343 Carole Court, Sussex, WI 53089

DATE:	DRAFTED BY:	APPROVED BY:	REV NO.
06/08/04	CAM		

SCALE: 1" = 60 feet | FILE: theresa_base





Concrete Asphalt

SW Sand

SM Sandy Silt

ML Silt

CL Clay

SB1- Boring
MW1-Monitoring Well

--Bentonite Seal

--Water Table(3/15/91)

--Screened Interval

Theresa 76 Site Geologic Cross Section

Scale: 1" equals 20'

THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE TEST BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE TEST BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE TEST BORINGS MAY VARY FROM THOSE INDICATED.

Figure B-6

March 27, 1991

–

mjh

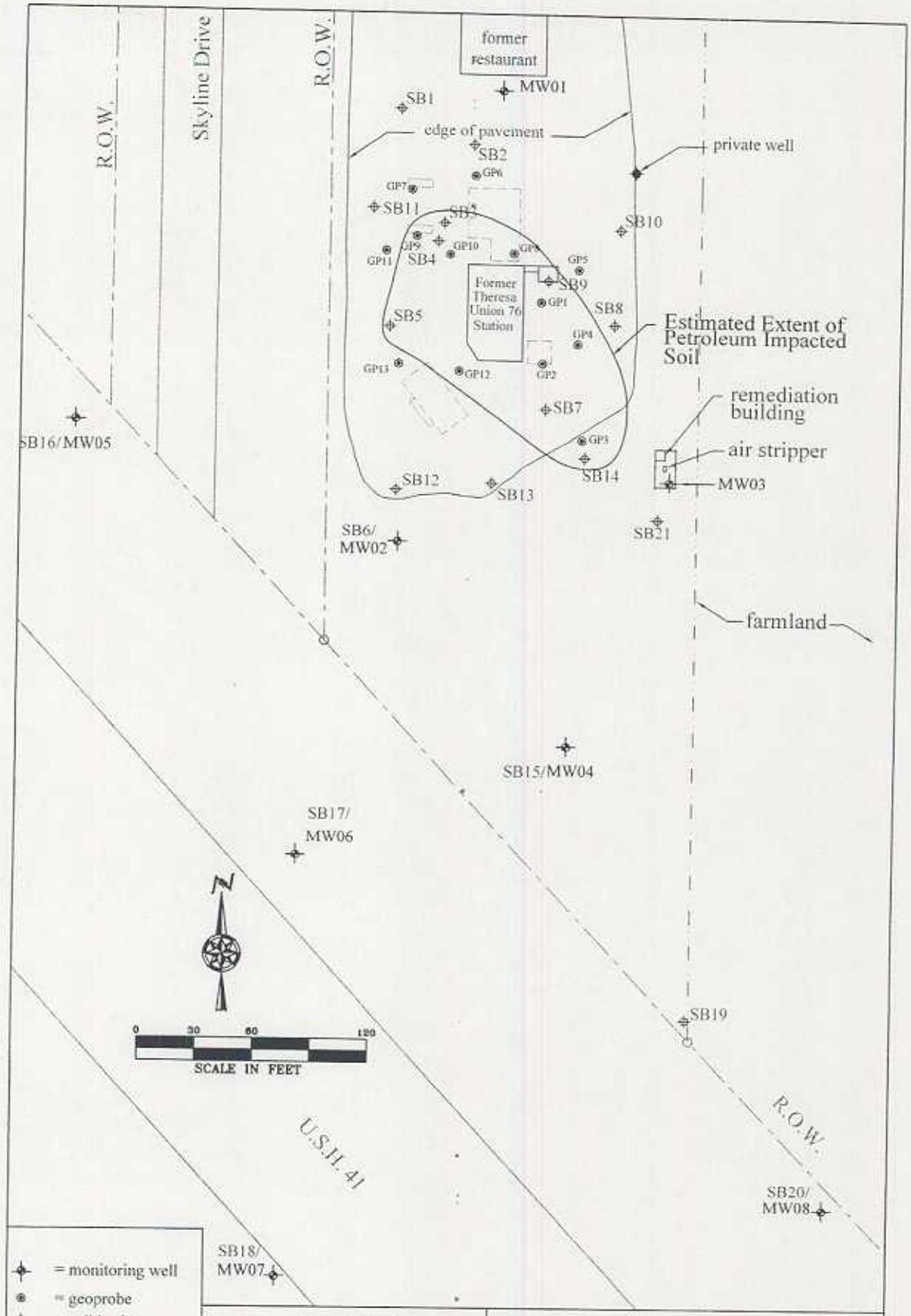


FIGURE B-9
ESTIMATED EXTENT OF PETROLEUM IMPACTED SOIL

Former Theresa Union 76
9292 Skyline Drive
Wayne, WI

E2M
Environmental & Engineering Management LLC
W223 N7343 Carole Court, Sussex, WI 53089

DATE:	DRAFTED BY:	APPROVED BY:	REV NO.
06/08/04	CAM		

SCALE: 1" = 60 feet | FILE: theresa_base

TSB BANK

LOMIRA OFFICE
695 East Avenue
Lomira, WI 53048
(920) 269-7777
Fax: (920) 269-7300

THERESA OFFICE
309 Wisconsin St.
Theresa, WI 53091
(920) 488-3604
Fax: (920) 488-2108

MAYVILLE OFFICE
935E Horicon St.
Mayville, WI 53050
(920) 387-4800
Fax: (920) 387-4100

June 11, 2004

COPY

Mr. Daniel Bishop
3811 21st Street
Racine WI 53405

RE: **Notification of Groundwater Contamination,** Former Theresa Union 76,
9292 Skyline Drive, Town of Wayne, WI
COMM#: 53091-9999-92 BRRTS#: 03-67-000545

Dear Mr. Bishop:

Groundwater contamination appears to have originated on the above referenced property. The levels of benzene, ethylbenzene and trimethylbenzene constituents in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter Comm 46, Wisconsin Administrative Code, and I will be requesting that the Department of Commerce accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

The Department of Commerce will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Commerce that is relevant to this closure request, you should mail that information to Site Review Section, Department of Commerce, 101 W. Pleasant Street, Suite 100A, Milwaukee, WI 53212.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds chapter NR 140 groundwater enforcement standards will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140

enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

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

If you need more information, you may contact me at P.O. Box 1111, Lomira, WI 53048, phone (920) 269-7777 or you may contact a Mr. Greg Michael at (414) 220-5375.

Sincerely,

Michael D. Bonnett

COPY

Mr. Michael D. Bonnett
President

rln

c: Mr. Christian Mielke, E2M Environmental and Engineering Management LLC
Attachments

E2M
Environmental and Engineering Management LLC
W223 N7343 Carole Court, Sussex, Wisconsin 53089
Phone/Fax: 262.820.3719

June 9, 2004

Mr. Ken Pesch
Highway Commissioner
Washington County Highway Department
900 Lang Street
West Bend, Wisconsin 53090-2666

Mr. Leander Herriges
Chairman
Town of Wayne
6030 Mohawk Road
Cambellsport, Wisconsin 53010

RE: **Notification of Groundwater Contamination Within Right of Way**, Former Theresa Union 76, 9292 Skyline Drive, Town of Wayne, WI
COMM#: 53091-9999-92 BRRTS#:03-67-000545

Dear Sirs:

Section NR 726.05(2)(b)(4), Wisconsin Administrative Code (WAC), requires notification of the appropriate units of government when a closure request is being made with groundwater WAC NR 140 Enforcement Standard exceedances in right-of-way. This letter serves as notification of potential contamination in the right-of-way of Skyline Drive and Highway 41. The estimated extent of groundwater contamination is illustrated on Figure 1. The notification of the Wisconsin Department of Transportation is included as Attachment 1.

If additional information is needed, please contact E2M at 262.820.3719.

Sincerely,
E2M Environmental and Engineering Management LLC

Christian A. Mielke, P.E.
Member/Project Manager

cc: Mr. Michael Bonnett, Theresa State Bank

Christian Mielke

From: "TeBeest, Sharlene" <sharlene.tebeest@dot.state.wi.us>
To: "'Christian Mielke'" <camielkee2m@wi.rr.com>
Sent: Tuesday, June 08, 2004 4:15 PM
Subject: RE: Notification of Contamination within Right of Way

Thank you! I will make the change.
-----Original Message-----
From: Christian Mielke [mailto:camielkee2m@wi.rr.com]
Sent: Tuesday, June 08, 2004 3:47 PM
To: Sharlene Tebeest
Subject: Notification of Contamination within Right of Way

With the first email I provided the Responsible Party Name.
This email has the property owners name. Please disregard first email.

Washington County
Highway 41
Former Theresa Union 76
9292 Skyline Drive
BRRTS #: 03-67-000545
PECFA #: 53091-9999-92
FID #: 267089900
Daniel L. Bishop
3811 21st Street, Racine, WI 53405
E2M Environmental and Engineering Management LLC
Christian A. Mielke
W223 N7343 Carole Court, Sussex, WI 53089
Phone/Fax: 262.820.3719
email: camielkee2m@wi.rr.com
Soil Contamination: No
Groundwater Contamination: Yes
Depth to Water: 13 to 18 feet below grade
Contamination Type: Petroleum contaminated groundwater
Remedial Method: Soil vapor extraction, groundwater pump and treat, natural attenuation.