The following site is being submitted for inclusion into the GIS registry:

- For DNR County and Region list go to:
  g:\pf\pecfa\site\gis\BRRTS County and Region Codes.xls
- To begin, click on cell to the right of; *This is a:*
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0342098105**
Comm # (no dashes):	54660979107
County:	Monroe
Region:	West Central
Site name:	Northside Mobil
Street Address:	907 E McCoy Blvd
City:	Tomah
Final Closure Date	2002-06-05
Closure Conditions:	met
Off-source property contamination?	No
(If yes, attach locational data and deed information on pg. 2)	
Right-of-way contamination?	No
Contaminated media:	Groundwater

GPS Coordinates (meters in the **WTM91** projection)

Easting (X):	480394.000000000
Northing (Y):	~~394132.000000000~~ 394144
Collection Method:	Other
Scale or Resolution:	4859
(1:24,000 scale or finer)	("1:" and comma is default)
Prepared by:	David Swimm
Submitted by:	Cheryl Nelson

Source Property Checklist

- ☒ Final Closure Letter
- ☒ Copy of the most recent deed, which includes legal description for all properties w/ GW > NR 140 ES
- ☐ Where the legal description in the deed(s) refers to a certified survey map or recorded plat map, include those documents
- ☐ Parcel ID for all properties w/ GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s) and/or potable wells etc for properties with GW >NR140 ES
- ☒ Latest Map(s) showing extent or outline of current GW plume (isoconcentrations)
- ☒ Map showing GW flow direction
- ☒ Latest Table of GW results
- ☐ Geologic cross section (if generated as part of the site investigation)
- ☐ Statement signed by RP certifying correctness of legal descriptions
- ☐ Updated Database

ENVIRONMENTAL & REGULATORY SERVICES
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Scott McCallum, Governor
Philip Edw. Albert, Secretary

Wisconsin
Department of Commerce

June 5, 2002

Marie L Dettinger
Northside Service Inc
907 E McCoy Blvd
Tomah, WI 54660-9791

RE: **Final Closure**

Commerce # 54660-9791-07 WDNR BRRTS # 03-42-098105
Northside Mobil, 907 E McCoy Blvd, Tomah

Four 10,000-gallon gasoline USTs and associated piping and dispensers, and diesel underground piping and dispensers removed during February 1996

Dear Ms. Dettinger:

The Wisconsin Department of Commerce (Commerce) PECFA Site Review Section has received all the items required as conditions for closure of the above-referenced site. This site is now listed as "closed" on the Commerce database.

It is in your best interest to keep all documentation related to the investigation and remediation of your site. This information may be needed for future property transactions.

If future site conditions indicate that any remaining contamination poses a threat, and subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility. If contamination is encountered, appropriate measures must be implemented to assure any residual contamination is managed following all applicable State of Wisconsin regulations and standards.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 264-8766.

Sincerely,

David Swimm
Hydrogeologist
Site Review Section

cc: Scott Hodgson, Miller Engineers & Scientists

503253

Document Number

NOTICE OF CONTAMINATION TO PROPERTY

RECORDS
VOL 368 PAGE 307

REGISTER'S OFFICE
County of Monroe, Wis.
Received for record this 9
day of Jan, 2001
at 12:45 o'clock P M.
Registers
15.00 pd Dettinger

Recording Area

Name and Return Address
Northside Service
PO Box 174
Tomah WI 54660

Parcel Identification Number (PIN)

Legal Description of the Property: In Re:

Parcel 1:
A parcel of land located in the Northwest Quarter of the Southwest Quarter (NW1/4 OF SW1/4), and in the Southwest Quarter of the Southwest Quarter (SW1/4 of SW1/4), Section Twenty-two (22), Township Eighteen (18) North, Range One (1) West, City of Tomah, Monroe County, Wisconsin, described as follows: Commencing at the NW corner of the NW1/4 of SW1/4 of said section 22, thence S0°08'E along the West line of said Section 22 a distance of 1241.97 feet to the southerly right-of-way line of State Highway #21; thence N61°33'E along the said right-of-way line 255.90 feet to the point of beginning; thence continuing N61°33'E along the said right-of-way 200 feet; thence S0°08'E, 331.00 feet; thence S61°33'W, 200.00 feet; thence N0°08'W, 331.00 feet to the southerly right-of-way line of State Highway #21 and the point of beginning.
Parcel 2:
An easement for the benefit of Parcel 1, also the right of ingress and egress together with others over a driveway in common described as follows: Beginning at the Northwest corner of the above described parcel; thence S0°08'E, 134.22 feet; thence N28°27'W, 117.91 feet to the southerly right-of-way of State Highway #21; thence N61°33'E along said right-of-way line 63.53 feet to the point of beginning.

RECEIVED
JAN 0 3 2001
ERS DIVISION

STATE OF WISCONSIN)
) ss
COUNTY OF MONROE)

Section 1. Marie Smith Dettinger is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Petroleum contaminated groundwater above NR 140 enforcement standards and soils above NR 746 direct contact risk levels of the Wisconsin Administrative Code exist on this property. Methyl tert-butyl ether (MtBE) contaminated groundwater has been collected from monitoring well MW-4 (concentration ranging from 430 ug/L on December 29, 1998 to 56 ug/L on October 29, 1999 over the four most recent sampling rounds). Benzene contaminated soil above direct contact risk levels occurs within 4 feet of the surface in the area immediately south of the diesel dispenser (refer to the attached *Figure 1: Estimated Extent of Contamination*, hereby made a part of this notice).

Section 3. It is the desire and intention of the property owner to impose restrictions on the property, which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time. The owner hereby declares that all the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or 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 prohibitions or requirements are applicable, prior to constructing or reconstructing

a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Benzene contaminated soil at a concentration of 3.1 mg/kg remains on this property within 4 feet of the surface in the area of the monitoring well at MW1 (immediately south of the diesel dispenser). The existing pavement cover (cap) is the selected remedial action to address the direct contact risk. Therefore, a cap or cover (i.e. concrete, asphalt) shall be maintained across the area of direct contact risk until: 1). The soil is actively remediated or removed or; 2). It can be shown that the soil has naturally degraded to levels shown to be protective of the environment and human health. If subsurface work is done in the contaminated areas, the contamination shall be properly treated or disposed of in accordance with applicable laws.

Residual petroleum contaminated soil likely remains on this site in the area of the former underground storage tanks (USTs) and former dispensers. It has been shown that this likely soil contamination is protective of health and the environment. If this contaminated soil is excavated in the future, it may be considered a solid waste and will need to be disposed in accordance with all applicable laws.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this _____ day of _____, 20____.

Signature: Marie Smith Dettinger

Printed Name: Marie Smith Dettinger

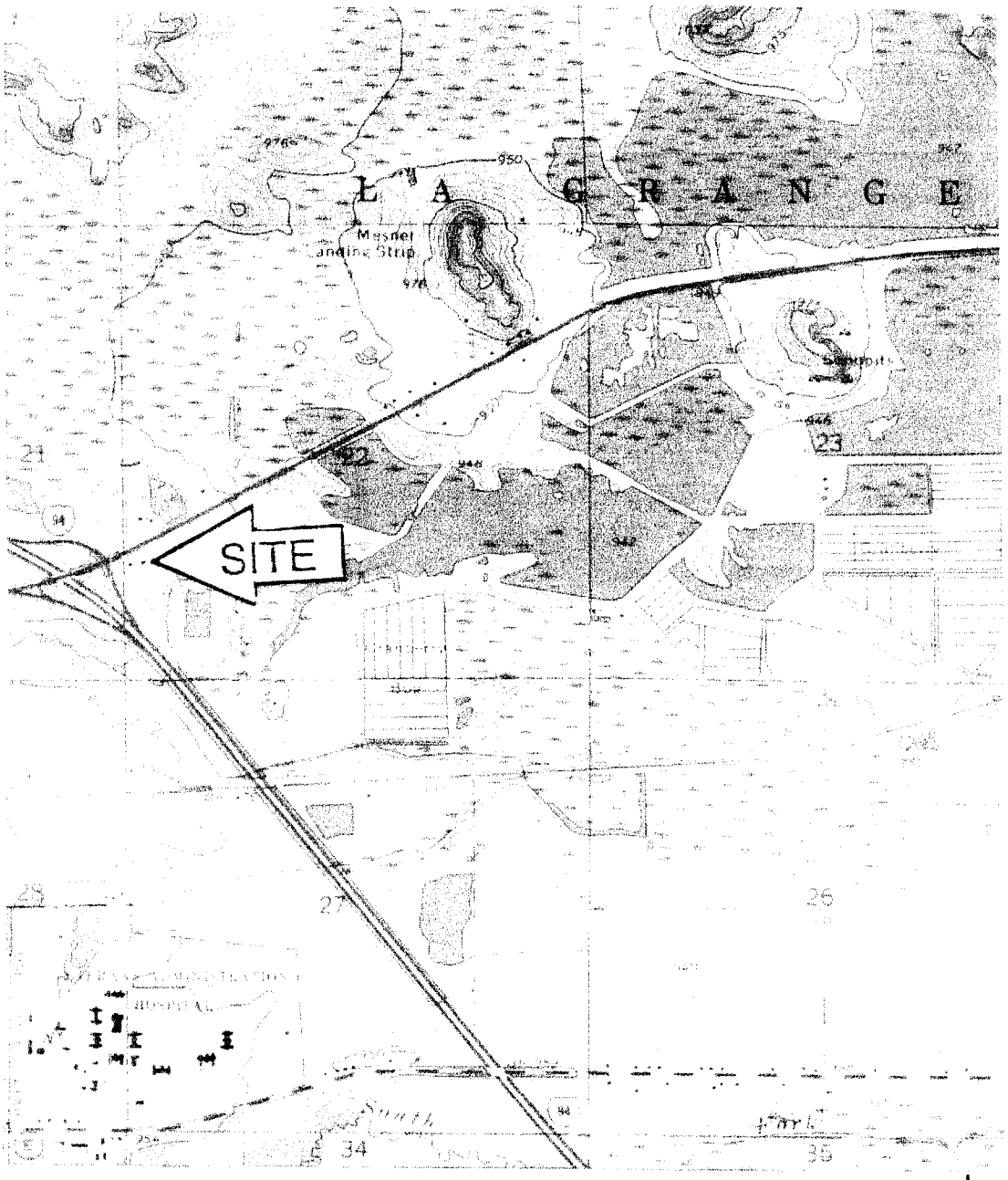
Title: _____

Subscribed and sworn to before me
this 9 day of Nov, 2001

Mary L. McClintock

Notary Public, State of Wisconsin
My commission 5/1/2005

This document was drafted by the Wisconsin Department of Commerce.



QUADRANGLE LOCATION

WYEVILLE WIS.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 WYEVILLE 15' QUADRANGLE

GRAPHIC SCALE

(IN FEET)
1 inch = 2,000 ft.

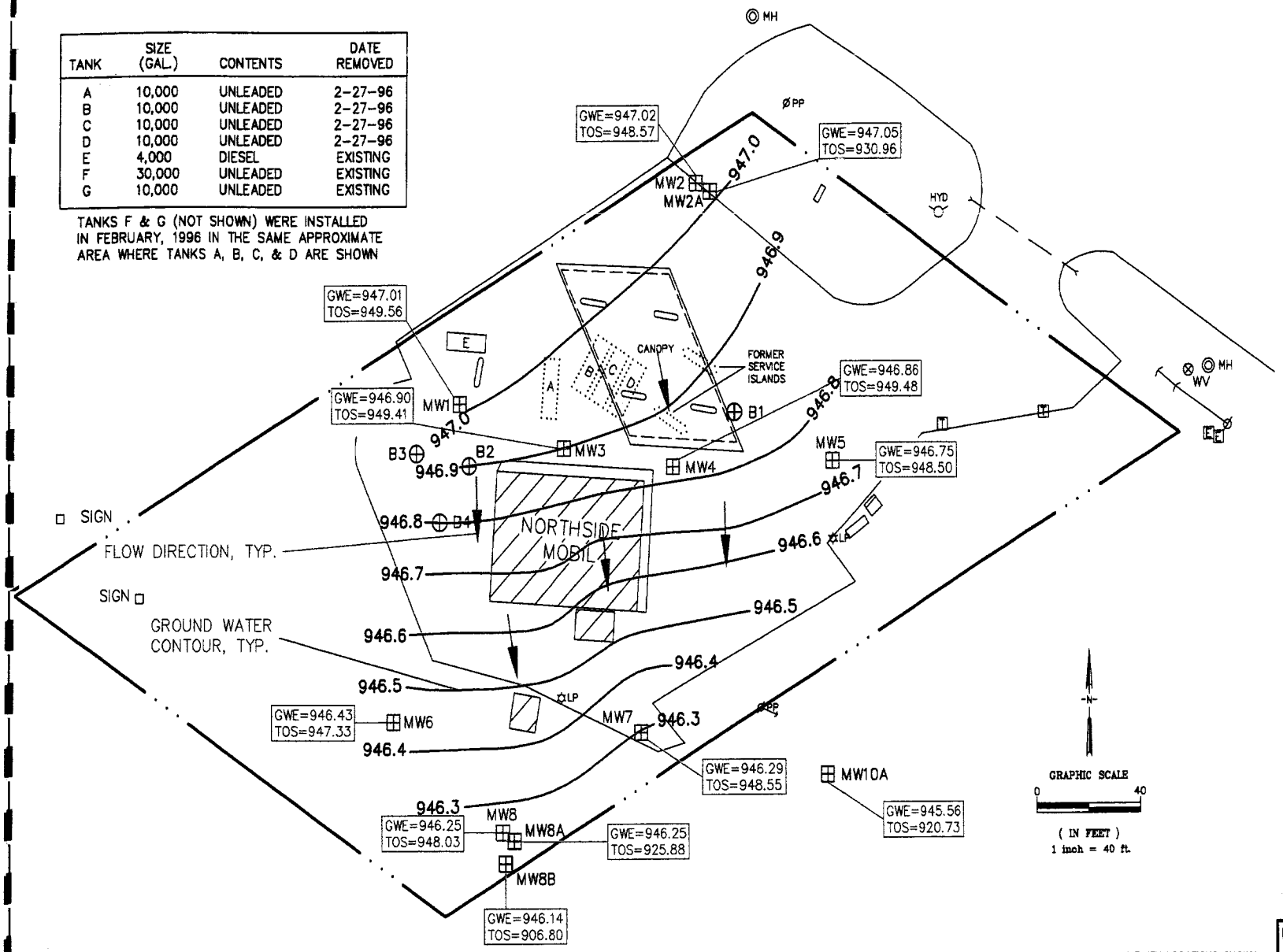
F-1	Date 3/21/00	By LR	CLIENT: NORTHSIDE SERVICE, INC. PROJECT: NORTHSIDE MOBIL LOCATION: TOMAH, WISCONSIN
	Job No. 13435E	Ck SAH	

MILLER
ENGINEERS
SCIENTISTS
An Employee Owned Company

FIGURE 1: SITE LOCATION MAP

TANK	SIZE (GAL.)	CONTENTS	DATE REMOVED
A	10,000	UNLEADED	2-27-96
B	10,000	UNLEADED	2-27-96
C	10,000	UNLEADED	2-27-96
D	10,000	UNLEADED	2-27-96
E	4,000	DIESEL	EXISTING
F	30,000	UNLEADED	EXISTING
G	10,000	UNLEADED	EXISTING

TANKS F & G (NOT SHOWN) WERE INSTALLED IN FEBRUARY, 1996 IN THE SAME APPROXIMATE AREA WHERE TANKS A, B, C, & D ARE SHOWN



GWE = GROUND WATER ELEVATION (ft.)
TOS = TOP SCREEN ELEVATION (ft.)
NT = NOT TESTED
OBSERVATION WELLS HIGH-LIGHTED IN GREEN

GWE=945.55
TOS=921.20
MW9A

GWE=945.29
TOS=903.29
MW9B

NOTE: ALL UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON FIELD SURVEY, RECORD MAPS OR DIGGER'S HOTLINE MARKINGS. THE EXACT LOCATION OF ALL UTILITIES MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION.

LEGEND

EXISTING UTILITIES

- SANITARY SEWER W/MANHOLE
- SANITARY LATERAL
- STORM SEWER W/MANHOLE
- STORM SEWER W/CATCH BASIN
- STORM SEWER W/END SECTION
- STORM SEWER LATERAL
- MH MANHOLE
- CB CATCH BASIN
- INL CURB INLET
- CO CLEANOUT
- W WATER MAIN
- WS WATER SERVICE
- HYDRANT & VALVE
- WV WATER VALVE
- CS CURB STOP
- G GAS MAIN
- GS GAS SERVICE
- GV GAS VALVE
- GAS METER
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- LP LIGHT POLE
- PP POWER POLE
- ELECTRIC PEDESTAL
- TRANS ELECTRIC TRANSFORMER
- OT OVERHEAD TELEPHONE
- UT UNDERGROUND TELEPHONE
- TELEPHONE PEDESTAL
- CTV CABLE TV

MISCELLANEOUS

- TREES
- SIGN
- FENCE
- POINT OF CURVATURE
- POINT OF INTERSECTION
- POINT OF TANGENCY
- CENTERLINE
- BACK OF CURB
- TOP OF CURB
- STATION
- INVERT
- 1' CONTOURS
- 5' CONTOURS
- EASEMENTS
- ROADWAY CENTERLINE

ENVIRONMENTAL

- MW GROUND WATER MONITORING WELL
- B SOIL BORING
- RW GROUND WATER RECOVERY WELL
- RS GROUND RECOVERY SUMP
- VMP VAPOR MONITORING POINT
- VEP VAPOR EXTRACTION POINT
- H HYDROPUNCH LOCATION
- GP GEOPROBE
- AS AIR SPARGING POINT

NO.	DATE	DESCRIPTION	BY

FIGURE 2A - GROUND WATER TABLE CONTOUR PLAN, OCTOBER 29, 1999

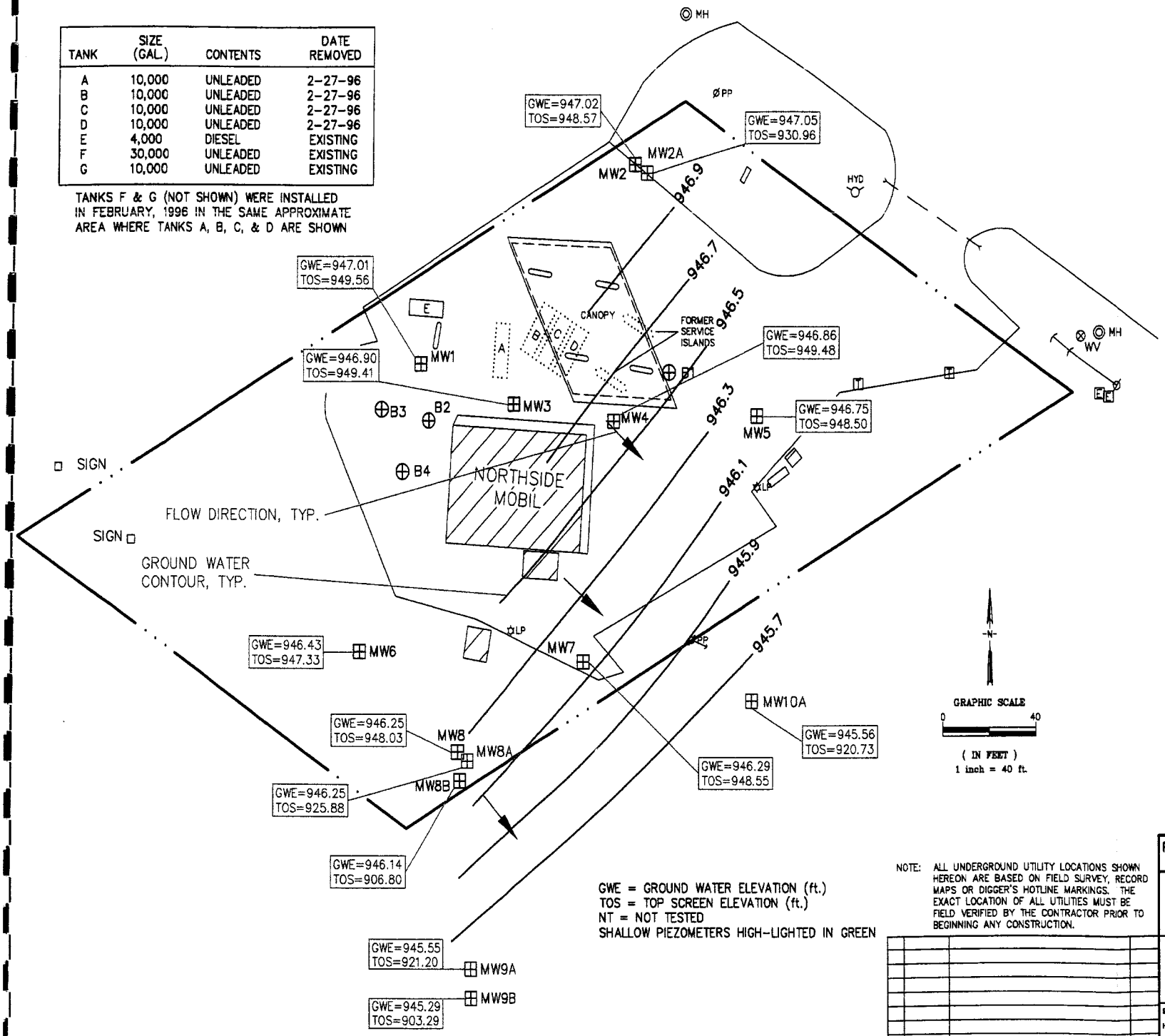
MILLER ENGINEERS SCIENTISTS
5308 South Twelfth Street
Sheboygan, Wisconsin 53081
414-458-5164

NORTHSIDE SERVICE, INC.
MOBIL STATION
TOMAH, WISCONSIN

SCALE	DATE	BY	SHEET
HOR. 1"=40'	3-7-00	KAW	F-2A
VER.	JOB 13435E9C	CK SAH	OF

TANK	SIZE (GAL.)	CONTENTS	DATE REMOVED
A	10,000	UNLEADED	2-27-96
B	10,000	UNLEADED	2-27-96
C	10,000	UNLEADED	2-27-96
D	10,000	UNLEADED	2-27-96
E	4,000	DIESEL	EXISTING
F	30,000	UNLEADED	EXISTING
G	10,000	UNLEADED	EXISTING

TANKS F & G (NOT SHOWN) WERE INSTALLED IN FEBRUARY, 1996 IN THE SAME APPROXIMATE AREA WHERE TANKS A, B, C, & D ARE SHOWN



GWE = GROUND WATER ELEVATION (ft.)
TOS = TOP SCREEN ELEVATION (ft.)
NT = NOT TESTED
SHALLOW PIEZOMETERS HIGH-LIGHTED IN GREEN

NOTE: ALL UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON FIELD SURVEY, RECORD MAPS OR DIGGER'S HOTLINE MARKINGS. THE EXACT LOCATION OF ALL UTILITIES MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION.

NO.	DATE	DESCRIPTION	BY

LEGEND

EXISTING UTILITIES

- SANITARY SEWER W/MANHOLE
- SANITARY LATERAL
- STORM SEWER W/MANHOLE
- STORM SEWER W/CATCH BASIN
- STORM SEWER W/END SECTION
- STORM SEWER LATERAL
- MANHOLE
- CATCH BASIN
- CURB INLET
- CLEANOUT
- WATER MAIN
- WATER SERVICE
- HYDRANT & VALVE
- WATER VALVE
- CURB STOP
- GAS MAIN
- GAS SERVICE
- GAS VALVE
- GAS METER
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- LIGHT POLE
- POWER POLE
- ELECTRIC PEDESTAL
- ELECTRIC TRANSFORMER
- OVERHEAD TELEPHONE
- UNDERGROUND TELEPHONE
- TELEPHONE PEDESTAL
- CABLE TV

MISCELLANEOUS

- TREES
- SIGN
- FENCE
- POINT OF CURVATURE
- POINT OF INTERSECTION
- POINT OF TANGENCY
- CENTERLINE
- BACK OF CURB
- TOP OF CURB
- STATION
- INVERT
- 1' CONTOURS
- 5' CONTOURS
- EASEMENTS
- ROADWAY CENTERLINE

ENVIRONMENTAL

- MW GROUND WATER MONITORING WELL
- B SOIL BORING
- RW GROUND WATER RECOVERY WELL
- RS GROUND RECOVERY SUMP
- VMP VAPOR MONITORING POINT
- VEP VAPOR EXTRACTION POINT
- H HYDROPUNCH LOCATION
- GP GEOPROBE
- AS AIR SPARGING POINT

FIGURE 2C- POTENTIOMETRIC SURFACE SHALLOW PIEZOMETER, 10/29/99

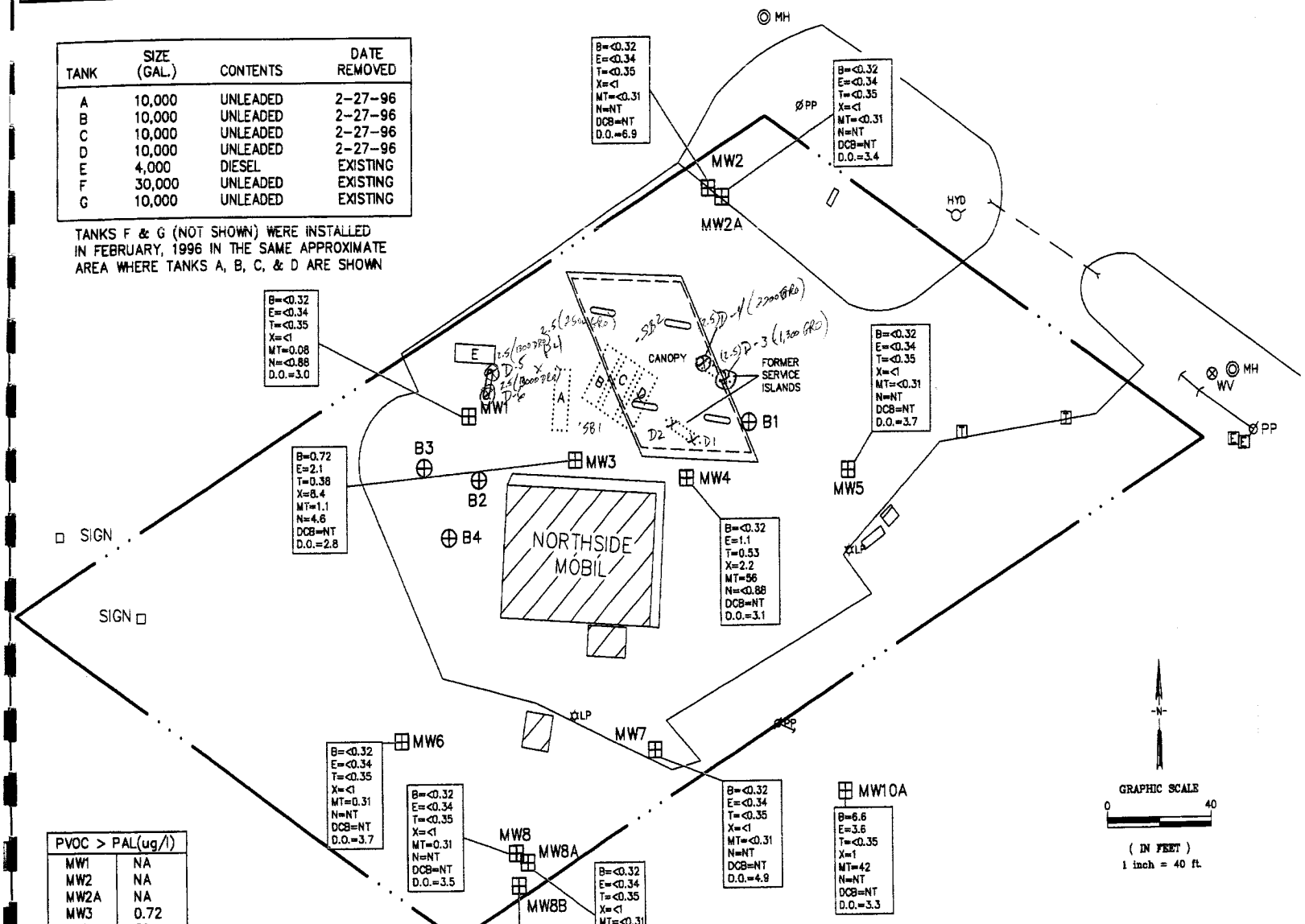
MILLER ENGINEERS SCIENTISTS
5308 South Twelfth Street
Sheboygan, Wisconsin 53081
414-458-6164

NORTHSIDE SERVICE, INC.
MOBIL STATION
TOMAH, WISCONSIN

SCALE	DATE	BY	SHEET
HOR. 1"=40'	3-9-00	KAW	F-2C
VER.	JOB 13435E9E	CK SAH	OF

TANK	SIZE (GAL.)	CONTENTS	DATE REMOVED
A	10,000	UNLEADED	2-27-96
B	10,000	UNLEADED	2-27-96
C	10,000	UNLEADED	2-27-96
D	10,000	UNLEADED	2-27-96
E	4,000	DIESEL	EXISTING
F	30,000	UNLEADED	EXISTING
G	10,000	UNLEADED	EXISTING

TANKS F & G (NOT SHOWN) WERE INSTALLED IN FEBRUARY, 1996 IN THE SAME APPROXIMATE AREA WHERE TANKS A, B, C, & D ARE SHOWN



PVOC > PAL(ug/l)	
MW1	NA
MW2	NA
MW2A	NA
MW3	0.72
MW4	56
MW5	NA
MW6	NA
MW7	NA
MW8	NA
MW8A	NA
MW8B	0.55
MW9A	1.2
MW9B	5
MW10A	48.6

NA = NOT APPLICABLE; NO DETECTION ABOVE THE PAL

B=BENZENE (ug/l)
E=ETHYLBENZENE (ug/l)
T=TOLUENE (ug/l)
X=XYLENES (ug/l)
MT=MTBE (ug/l)
N=NAPHTHALENE (ug/l)
DCB= 1,4- DICHLOROBENZENE (ug/l)
D.O.=DISSOLVED OXYGEN (mg/l)
NT= NOT TESTED
RED TYPE = ES EXCEEDANCE
BLUE TYPE = PAL EXCEEDANCE

NOTE: ALL UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON FIELD SURVEY, RECORD MAPS OR DIGGER'S HOTLINE MARKINGS. THE EXACT LOCATION OF ALL UTILITIES MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION.

LEGEND

EXISTING UTILITIES

- SANITARY SEWER
- SANITARY LATERAL
- STORM SEWER
- STORM SEWER LATERAL
- MH MANHOLE
- CB CATCH BASIN
- INL CURB INLET
- CO CLEANOUT
- END SECTION
- W WATER MAIN
- WS WATER SERVICE
- HYDRANT & VALVE
- WV WATER VALVE
- CS CURB STOP
- G GAS MAIN
- GS GAS SERVICE
- GV GAS VALVE
- GAS METER
- OE OVERHEAD ELECTRIC
- UE UNDERGROUND ELECTRIC
- LP LIGHT POLE
- PP POWER POLE
- ELECTRIC PEDESTAL
- TRANS ELECTRIC TRANSFORMER
- OT OVERHEAD TELEPHONE
- UT UNDERGROUND TELEPHONE
- TELEPHONE PEDESTAL
- CTV CABLE TV

MISCELLANEOUS

- TREES
- SIGN
- FENCE
- CONTOURS
- EASEMENTS
- ROADWAY CENTERLINE

ENVIRONMENTAL

- MW GROUND WATER MONITORING WELL
- B SOIL BORING
- RW GROUND WATER RECOVERY WELL
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- VMP VAPOR MONITORING POINT
- VEP VAPOR EXTRACTION POINT
- H HYDROPUNCH LOCATION
- GP GEOPROBE
- AS AIR SPARGING POINT

FIGURE 4 - GROUND WATER PVOC CONTAMINANT DISTRIBUTION MAP, 10-29-99

MILLER ENGINEERS SCIENTISTS
5308 South Twelfth Street
Sheboygan, Wisconsin 53081
414-458-6164

NORTHSIDE SERVICE, INC.
MOBIL STATION
TOMAH, WISCONSIN

NO.	DATE	DESCRIPTION	BY
1	11-22-96	ADD TANKS AND SOIL SECTIONS	SAB

SCALE	DATE	BY	SHEET
HOR. 1"=40'	2-28-00	KAW	F-4
VER.	JOB 13435E9B	CK SAH	OF

MILLER ENGINEERS SCIENTISTS

TABLE 2

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin

Project #13435E

MW1-side gradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (feet)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	0.79	23	12	78	•	<0.22	113.8	3.0	<0.13	947.21	0.5	•	6.43	45	1,500	•	•	•	•	•
09/04/96	ND	ND	2.3	1.5	•	1.2	5.0	ND	•	946.75	0.2	•	6.47	50	1,410	17	4.00	ND	4,200	•
03/20/97	ND	ND	ND	ND	•	0.7	1.4	•	•	946.84	0.4	•	6.34	38	420	•	•	•	•	•
07/10/97	<0.16	<0.29	<0.36	<1.15	•	0.89	0.9	•	•	947.00	2.9	•	6.81	48	1,330	•	•	•	•	•
10/16/97	1.0†	<0.23	<0.28	<0.79	•	<0.53	1.0	•	•	946.68	1.6	•	6.08	44	1,580	•	•	•	•	•
01/14/98	<0.29	<0.28	1.1	<0.75	•	<0.29	1.1	•	•	946.22	2.1	39	•	36	•	•	•	•	•	•
04/22/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	•	•	947.36	4.2	•	6.56	42	1,060	•	•	•	•	•
07/15/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	<0.51	•	949.00	5.2	•	•	48	•	•	•	•	•	•
12/29/98	•	•	•	•	•	•	•	•	•	946.86	3.4	•	6.65	36	2,030	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	947.22	3.1	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.62	1.8	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	0.8†	0.8	<0.88	•	947.01	3.0	•	7.35	43	2,330	•	•	•	•	•

MW2-upgradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	<0.26	<0.32	<0.69	<0.42	•	<0.22	ND	<0.41	<0.13	947.29	5.0	•	6.01	46	1,290	•	•	•	•	•
09/04/96	ND	ND	1.2	ND	•	ND	1.2	•	•	946.77	2.5	•	5.75	50	1,280	48	8.6	ND	290	•
03/20/97	ND	ND	ND	ND	•	ND	ND	•	•	946.88	5.1	•	6.00	42	870	•	•	•	•	•
07/10/97	<0.16	<0.29	<0.36	<1.15	•	<0.20	ND	•	•	947.04	8.0	•	5.92	48	1,220	34	8.6	<22	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	•	•	946.66	4.8	•	4.53	46	1,130	36	9.6	<22	•	•
01/14/98	<0.28	<0.28	<0.28	<0.75	•	<0.29	ND	•	•	946.26	2.0	168	•	35	•	36	8.6	24	260	<15
04/22/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	•	•	947.44	5.9	•	5.31	45	1,510	39	5.7	12	420	<7.2
07/15/98	•	•	•	•	•	•	•	•	•	949.08	6.5	•	•	48	•	•	•	5.3	340	•
12/29/98	•	•	•	•	•	•	•	•	•	946.78	3.6	•	5.53	35	1,610	•	•	< 140	390	< 0.5
04/20/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	<0.88	•	947.27	7.9	•	5.59	36	1,970	•	•	< 70	460	< 0.5
07/20/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	<0.88	•	947.67	4.7	•	6.73	45	1,610	•	•	< 139	380	< 0.5
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	947.02	6.9	•	6.52	42	1,490	•	•	< 139	440	< 0.5

MTBE = Methyl-tert-butyl-ether

PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)

1,4-DCB = 1,4-Dichlorobenzene

D.O. = Dissolved Oxygen

ND = Not detected at method detection limits

• = Not Tested

† = Detected below LOQ, quantity uncertain

NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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MILLER ENGINEERS SCIENTISTS

TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin
Project #13435E

MW2A-upgradient piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	Prior to Well Construction																			
09/04/96																				
03/20/97	ND	ND	0.7†	ND		ND	0.7	0.7	•	946.91	2.8	•	6.17	42	1,130	•	•	•	•	•
07/10/97	<0.16	<0.29	<0.29	<1.15		<0.20	ND	<0.36	•	947.10	0.6	•	6.2	48	1,870	35	2.6	170	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79		<0.53	ND	•	•	946.78	1.6	•	3.75	42	1,510	44	2.9	62	•	•
01/14/98	<0.20	<0.22	<0.20	<0.76		<0.61	ND	<0.16	<0.16	946.30	0.9	-36	•	35	•	43	3.5	76	320	<15
04/22/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	<0.51	•	947.53	0.6	•	5.66	44	1,750	•	•	•	•	•
07/15/98	•	•	•	•	•	•	•	•	•	949.11	0.1	•	•	48	•	•	•	14	390	•
12/29/98	•	•	•	•	•	•	•	•	•	946.85	2.8	•	•	•	•	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	947.33	5.0	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.77	2.2	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	947.05	3.4	•	6.85	36	1,770	•	•	•	•	•

MW3-source

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	630	700	930	2,800	•	260	5,320	170	<6.5	947.20	0.2	•	6.43	45	100	•	•	•	•	•
09/04/96	830	1,100	940	3,490	•	320	6,680	64	13	946.73	0.3	•	6.12	52	1,610	18	1.10	1,800	14,000	•
03/20/97	610	1,500	1,100	6,200	•	200	11,590	•	•	946.81	0.2	•	6.34	40	80	•	•	•	•	•
07/10/97	150	510	99	2,540	•	140	4,919	160	<1.4	946.94	3.5	•	6.29	48	1,240	<4.9	0.10	21,000	•	•
10/16/97	37	210	14	608	•	55	1,494	52	•	946.61	0.5	•	5.59	45	1,120	24	1.7	15,000	•	•
01/14/98	13	110	6.4†	233	•	18†	576	28	<1.6	946.09	1.6	-55	•	35	•	30	1.1	12,000	8,900	<15
04/22/98	9.5	66	12	116	103	9.6	316.1	19	•	947.37	0.5	•	6.26	43	680	46	0.37	8,800	4,800	<7.2
07/15/98	2.5	33	5.0	80	54	<0.45	175	11	•	948.91	0.2	•	•	48	•	•	•	5,500	4,400	•
12/29/98	2.2	6.9	<0.35	33	22.4	4.2	68.7	4.6	•	946.68	3.5	•	6.33	36	880	•	•	•	•	•
04/20/99	3.2	6.3	<0.35	20	17.5	5.3	52	5.3	•	947.20	4.5	•	6.35	36	740	•	•	•	•	•
07/20/99	2.2	4	0.56†	15	16.5	4.9	43	4.5	•	947.55	2.4	•	6.73	45	810	•	•	•	•	•
10/29/99	0.72†	2.1	0.38†	8.4	10.6	1.1	23	4.6	•	946.90	2.8	•	7.03	44	1,240	•	•	•	•	•

MTBE = Methyl-tert-butyl-ether
PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)
1,4-DCB = 1,4-Dichlorobenzene
D.O. = Dissolved Oxygen
ND = Not detected at method detection limits
• = Not Tested
† = Detected below LOQ, quantity uncertain

NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

MILLER ENGINEERS SCIENTISTS

Northside Mobil—Tomah , Wisconsin
Project #13435E

MW4-source

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	180	300	110	810	•	1,600	3,000	45	<6.5	947.14	0.1	•	6.22	45	1,430	•	•	•	•	•
09/04/96	53	69	6.0	178	•	600	906	2.5	•	946.62	0.2	•	5.83	52	1,170	32	5.1	2,000	6,200	•
03/20/97	310	410	73	880	•	1,000	3,077	•	•	946.77	3.2	•	6.19	42	1,130	•	•	•	•	•
07/10/97	60	81	12	252	•	920	1,492	20	<2.9	946.92	5.5	•	6.05	48	1,030	•	•	•	•	•
10/16/97	60	130	36	449	•	860	1,727	27	•	946.57	0.5	•	5.27	45	1,030	•	•	•	•	•
01/14/98	61	130	38	329	•	570	1,317	39	<6.5	946.12	1.0	-93	•	35	•	20	4.9	32,000	5,900	<15
04/22/98	200	440	170	1,080	550	1,300	3,740	120	•	947.35	0.4	•	6.16	44	1,360	20	1.4	31,000	5,500	<7.2
07/15/98	100	120	75	573	281	750	1,899	60	•	948.90	0.2	•	•	48	•	•	•	13,000	5,000	<7.1
12/29/98	7	27	1.8	29	62	430	557	11	•	946.68	3.2	•	5.73	36	1,560	•	•	4,900	6,800	12
04/20/99	12	39	<0.35	40	66	430	587	15	•	947.14	4.1	•	6.16	36	1,510	•	•	16,000	7,300	2.5
07/20/99	2.4	7.6	<0.35	11	14.4	210	245	2.7†	•	947.51	2.3	•	6.37	45	1,260	•	•	3,000	7,700	0.75
10/29/99	< 0.32	1.1	0.53†	2.2†	1.1†	56	61	< 0.88	•	946.86	3.1	•	5.99	43	1,140	•	•	1,700	9,000	< 0.5

MW5-sidegradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	<0.26	<0.32	<0.69	<00.42	•	<0.22	ND	<0.41	<0.13	947.08	0.5	•	6.43	46	600	•	•	•	•	•
09/04/96	ND	ND	1.4	ND	•	ND	1.4	•	•	946.52	0.1	•	6.43	52	590	18	1.70	7,400	1,300	•
03/20/97	ND	ND	ND	ND	•	ND	ND	•	•	946.70	3.7	•	6.36	42	420	•	•	•	•	•
07/10/97	<0.16	<0.29	0.36	<1.15	•	<0.20	ND	•	•	946.89	3.8	•	6.31	48	450	•	•	•	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	•	•	946.52	2.7	•	5.88	48	460	•	•	•	•	•
01/14/98	<0.28	<0.28	<0.28	<0.75	•	<0.29	ND	•	•	945.86	1.3	135	•	35	•	•	•	•	•	•
04/22/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	•	•	947.34	2.1	•	6.23	45	650	•	•	•	•	•
07/15/98	•	•	•	•	•	•	•	•	•	948.76	4.5	•	•	•	•	•	•	•	•	•
12/29/98	•	•	•	•	•	•	•	•	•	946.55	2.7	•	•	•	•	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	947.10	5.1	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.48	2.0	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	946.75	3.7	•	6.42	44	520	•	•	•	•	•

MTBE = Methyl-tert-butyl-ether

PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)

1,4-DCB = 1,4-Dichlorobenzene

D.O. = Dissolved Oxygen

ND = Not detected at method detection limits

• = Not Tested

† = Detected below LOQ, quantity uncertain

NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin

Project #13435E

MW6-side/downgradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	<0.26	<0.32	<0.69	<0.42	•	<0.22	ND	<0.41	9.5	946.68	0.2	•	6.59	45	640	•	•	•	•	•
09/04/96	ND	ND	1.2	ND	•	ND	1.2	ND	•	946.08	0.2	•	6.53	50	710	64	ND	5,100	2,500	•
03/20/97	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
07/10/97	<0.16	<0.29	<0.36	<1.15	•	<0.20	ND	•	•	946.41	4.7	•	6.52	48	680	•	•	•	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	•	•	946.11	0.3	•	6.15	46	570	•	•	•	•	•
01/14/98	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
04/22/98	<0.12	<0.10	<0.12	<0.72	<0.91	<0.16	ND	1.4	<0.10	947.09	0.3	•	6.56	45	910	•	•	•	•	•
07/15/98	•	•	•	•	•	•	•	•	•	948.39	4.7	•	•	•	•	•	•	•	•	•
12/29/98	•	•	•	•	•	•	•	•	•	946.13	2.5	•	•	•	•	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	946.78	2.5	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.23	1.5	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	946.43	3.7	•	5.94	42	2,170	•	•	•	•	•

MW7-side/downgradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	<0.26	<0.32	<0.69	<0.42	•	<0.22	ND	<0.41	<0.13	946.65	0.5	•	6.19	46	1,460	•	•	•	•	•
09/04/96	ND	ND	ND	ND	•	ND	ND	•	•	945.93	3.10	•	6.35	50	370	15	3.40	81	610	•
03/20/97	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
07/10/97	<0.16	<0.29	<0.36	<1.15	•	<0.20	ND	•	•	947.36	6.1	•	6.4	48	250	•	•	•	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	•	•	946.08	3.4	•	5.24	46	230	•	•	•	•	•
01/14/98	<0.20	<0.22	<0.20	<0.76	•	<0.61	ND	<0.16	<0.16	945.73	2.1	123	•	35	•	•	•	•	•	•
04/22/98	<0.12	<0.10	<0.12	<0.72	<0.21	<0.16	ND	<0.23	<0.10	947.01	4.9	•	6.03	45	290	15	5.30	27	96	<7.2
07/15/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	<0.51	•	948.22	5.5	•	•	48	•	•	•	17	61	<7.1
12/29/98	•	•	•	•	•	•	•	•	•	946.10	2.8	•	•	•	•	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	946.77	5.8	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.17	3.6	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	946.29	4.9	•	5.97	43	300	•	•	•	•	•

MTBE = Methyl-tert-butyl-ether

PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)

1,4-DCB = 1,4-Dichlorobenzene

D.O. = Dissolved Oxygen

ND = Not detected at method detection limits

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NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin
Project #13435E

MW8-downgradient

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	<0.26	<0.32	<0.69	<0.42	•	<0.22	ND	<0.41	0.98	946.60	0.9	•	6.34	46	830	•	•	•	•	•
09/04/96	ND	ND	ND	ND	•	ND	ND	ND	•	946.00	1.1	•	6.06	52	690	•	•	•	•	•
03/20/97	ND	ND	ND	ND	•	ND	ND	ND	•	946.32	3.3	•	6.09	42	2,600	•	•	•	•	•
07/10/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	<0.66	<0.29	946.32	6.1	•	6.1	46	760	32	81	30†	•	•
10/16/97	<0.41	<0.23	<0.28	<0.79	•	<0.53	ND	<0.66	<0.29	946.06	0.2	•	5.01	46	780	40	62	36	•	•
01/14/98	<0.20	<0.22	<0.20	<0.76	•	<0.61	ND	<0.16	0.33†	945.62	0.9	230	•	35	•	89	85	45	5,800	<15
04/22/98	<0.12	<0.10	<0.12	<0.72	<0.21	<0.16	ND	<0.23	<0.10	947.07	4.2	•	5.72	45	820	49	64	18	5,500	ND
07/15/98	<0.35	<0.39	<0.36	<1.58	<0.91	<0.45	ND	<0.51	•	948.33	4.6	•	•	48	•	•	•	15	3,100	<7.1
12/29/98	•	•	•	•	•	•	•	•	•	946.05	2.8	•	•	•	•	•	•	•	•	•
04/20/99	•	•	•	•	•	•	•	•	•	946.76	5.3	•	•	•	•	•	•	•	•	•
07/20/99	•	•	•	•	•	•	•	•	•	947.48	1.2	•	•	•	•	•	•	•	•	•
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	946.25	3.9	•	5.97	42	330	•	•	•	•	•

MW8A-downgradient piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	2.35	<0.32	<0.69	<0.42	•	1.2	3.55	<0.41	53	946.58	0.9	•	6.61	48	1,140	•	•	•	•	•
09/04/96	2.4	ND	ND	ND	•	ND	ND	ND	•	945.91	0.1	•	6.44	52	1,400	•	•	•	•	•
03/20/97	1.4	ND	ND	ND	•	0.8	2.2	ND	•	946.33	0.4	•	6.38	40	990	•	•	•	•	•
07/10/97	1.3	<0.23	<0.28	<0.79	•	<0.53	1.3	<0.66	38	946.30	3.6	•	6.35	47	1,120	20	0.028	2,600	•	•
10/16/97	1.2	<0.23	<0.28	<0.79	•	<0.53	1.2	<0.66	44	946.08	0.3	•	6.11	44	1,010	15	0.11	2,000	•	•
01/14/98	<0.80	<0.88	<0.78	<3.0	•	<2.4	ND	<0.66	33	945.61	1.0	-149	•	35	•	25	0.067†	1,600	6,200	160
04/22/98	0.74†	<0.26	<0.31	<1.79	<0.54	0.60†	1.34	<.58	33	947.08	0.9	•	6.46	45	1,300	23	ND	2,000	6,000	110
07/15/98	<0.35	2.4	<0.36	<1.58	<0.91	<0.45	2.40	<0.51	•	948.23	0.3	•	•	45	•	•	•	1,400	5,800	110
12/29/98	0.43†	<0.34	<0.35	<1	<0.99	<0.31	0.43	<0.88	•	946.08	2.4	•	6.98	36	950	•	•	1,500	6,000	110
04/20/99	0.33†	<0.34	<0.35	<1	<0.99	<0.31	0.33	<0.88	•	946.75	2.6	•	6.65	36	1,030	•	•	1,700	6,100	120
07/20/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	<0.88	•	947.16	1.5	•	6.06	45	260	•	•	< 139	1,100	< 0.5
10/29/99	<0.32	<0.34	<0.35	<1	<0.99	<0.31	ND	•	•	946.25	3.5	•	6.26	38	1,060	•	•	1,300	5,300	29

MTBE = Methyl-tert-butyl-ether
PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)
1,4-DCB = 1,4-Dichlorobenzene
D.O. = Dissolved Oxygen
ND = Not detected at method detection limits
• = Not Tested
† = Detected below LOQ, quantity uncertain

NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin

MILLER ENGINEERS SCIENTISTS

MW8B-downgradient deep piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	Prior to Well Construction																			
09/04/96																				
03/20/97	4.4	ND	ND	ND	•	1.1†	5.5	ND	•	946.27	0.5	•	6.29	44	1,820	7.2	•	•	•	•
07/10/97	12	<0.23	<0.28	<0.79	•	2.1	14.1	<0.66	<0.29	946.18	1.9	•	6.39	45	610	36	1.5	28	•	•
10/16/97	7.4	<0.23	<0.28	<0.79	•	2.2	9.6	<0.66	<0.29	945.93	0.8	•	5.54	44	430	33	2.5	37	•	•
01/14/98	1.6	<0.22	<0.20	<0.76	•	1.1†	2.7	<0.16	<0.16	945.55	0.4	-50	•	35	•	34	4.0	25	380	<15
04/22/98	1.3	<0.10	0.15†	<0.72	<0.2.1	0.98	2.43	<0.23	0.20†	946.82	0.4	•	6.32	45	520	38	6.1	23	360	ND
07/15/98	2.3	<0.39	<0.36	<1.58	<0.91	<0.45	2.3	<0.51	•	947.71	0.2	•	•	48	•	•	•	•	•	•
12/29/98	0.33†	<0.34	<0.35	<1	<0.99	0.72†	1.05	<0.88	•	945.95	2.5	•	6.10	36	470	•	•	•	•	•
04/20/99	<0.32	<0.34	<0.35	<1	<0.99	0.7†	ND	<0.88	•	946.56	2.7	•	6.02	36	490	•	•	•	•	•
07/20/99	0.4†	<0.34	<0.35	<1	<0.99	2.5	2.9	<0.88	•	947.34	1.4	•	6.09	45	540	•	•	•	•	•
10/29/99	0.55†	<0.34	<0.35	<1	<0.99	3.6	4.15	•	•	946.14	4.1	•	6.02	36	650	•	•	•	•	•

MW9A-downgradient piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	Prior to Well Construction																			
09/04/96																				
03/20/97	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
07/10/97	2.8	<0.23	<0.28	<0.79	•	<0.53	2.8	<0.66	67	945.53	2.3	•	6.45	46	1,400	18	0.020	1,400	•	•
10/16/97	2.5	<0.23	<0.28	<0.79	•	0.57	3.07	<0.66	62	945.23	0.8	•	6.44	44	1,180	11	0.028	1,100	•	•
01/14/98	2.2†	<1.1	<0.98	<3.8	•	<3.0	2.2	<0.66	48	944.87	0.5	-123	•	35	•	34	<0.031	1,100	890	490
04/22/98	1.7	<0.42	<0.50	<2.86	<0.86	<0.63	1.7	<0.93	45	946.26	0.4	•	6.62	45	1,550	32	ND	1,000	860	450
07/15/98	2.6	5.5	<0.36	<1.58	<0.91	<0.45	8.1	<0.51	•	947.37	0.3	•	•	48	•	•	•	1,100	790	570
12/29/98	2.5	<0.34	<0.35	<1	<0.99	0.66†	3.2	<0.88	•	945.26	2.5	•	7.09	36	1,240	•	•	1,300	720	630
04/20/99	2.6	<0.34	<0.35	<1	<0.99	0.37†	3.0	<0.88	•	946.00	2.6	•	6.68	36	1,590	•	•	1,600	820	530
07/20/99	1.7	<0.34	<0.35	<1	<0.99	0.58†	2.3	<0.88	•	946.81	1.1	•	6.12	45	1,210	•	•	1,700	730	220
10/29/99	1.2	<0.34	<0.35	<1	<0.99	0.33†	1.5	•	•	945.55	4.7	•	6.47	38	1,360	•	•	1,600	590	260

MTBE = Methyl-tert-butyl-ether

PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)

1,4-DCB = 1,4-Dichlorobenzene

D.O. = Dissolved Oxygen

ND = Not detected at method detection limits

• = Not Tested

† = Detected below LOQ, quantity uncertain

NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
Enforcement Standard	5	700	343	620	480	60	40
Preventive Action Limit	0.5	140	68.6	124	96	12	8

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TABLE 2 (Continued)

Historic Ground Water Analytic Test Results

Northside Mobil—Tomah , Wisconsin
Project #13435E

MILLER ENGINEERS SCIENTISTS

MW9B-downgradient piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	Prior to Well Construction																			
09/04/96																				
03/20/97																				
07/10/97																				
10/16/97																				
01/14/98																				
04/22/98																				
07/15/98																				
12/29/98	12	<0.34	1.3	<1	<0.99	0.39†	13.7	<0.88	•	945.13	3.5	•	6.23	36	560	•	•	36,000	1,200	21
04/20/99	8.8	<0.34	5.3	<1	<0.99	0.49†	14.6	<0.88	•	945.81	2.6	•	6.19	36	570	•	•	42,000	630	3.3
07/20/99	8.7	0.54†	1.8	<1	0.36†	1.4	12.8	<0.88	•	946.56	1.2	•	5.98	42	480	•	•	21,000	490	1.5
10/29/99	5	0.49†	2.2	<1	<0.99	3.5	11.2	•	•	945.29	4.6	•	6.23	38	370	•	•	16,000	370	24

MW10A-downgradient deep piezometer

Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Xylenes (µg/L)	TMB (µg/L)	MTBE (µg/L)	Total PVOC (µg/L)	Naph-thalene (µg/L)	1,4-DCB (µg/L)	Water Elevations (µg/L)	D.O. (mg/L)	Eh (mV)	pH (s.u.)	Temp. (°F)	Conduct. (µmhos/cm3)	Sulfate (mg/L)	Nitrate/ Nitrite (mg/L)	Dis. Fe (µg/L)	Dis. Mn (µg/L)	Methane (µg/L)
06/06/96	Prior to Well Construction																			
09/04/96																				
03/20/97																				
07/10/97																				
10/16/97																				
01/14/98																				
04/22/98																				
07/15/98																				
12/29/98	70	10	1†	50	36.2	71	238.2	5.7	•	945.46	3.9	•	6.11	35	1,000	•	•	10,000	3,200	6.6
04/20/99	< 0.32	< 0.34	0.49†	<1	<0.99	0.67†	1.2	<0.88	•	946.16	3.2	•	6.13	36	860	•	•	<70	940	1.5
07/20/99	0.69†	< 0.34	0.38†	<1	<0.99	7.1	8.2	<0.88	•	946.81	1.6	•	5.95	43	770	•	•	< 139	1,200	0.70
10/29/99	6.6	3.6	< 0.35	1†	0.45†	42	53.7	•	•	945.56	3.3	•	5.96	36	660	•	•	< 139	1,400	0.76

MTBE = Methyl-tert-butyl-ether
PVOC = Petroleum Volatile Organic Compounds (EPA Method 8020 or 8021)
1,4-DCB = 1,4-Dichlorobenzene
D.O. = Dissolved Oxygen
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NR 140 Ground Water Standard	Benzene	Ethyl-Benzene	Toluene	Xylenes	Total TMB	MTBE	Naph-thalene
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