State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary

Southeast Region Annex
4041 North Richards Street
P.O. Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-229-0800
FAX 414-229-0811

October 16, 2001

Tom Buteyn
Buteyn Excavating and Grading, Inc.
3720 North 14th Street
Sheboygan, WI 53083

Dear Mr. Buteyn:

Subject: Case closure, Buteyn Excavating and Grading property, 2838 Washington Avenue, Sheboygan, file reference FID #460015050, BRRTS #0260224520 ERR-ERP

Thank you for submitting a copy of the deed document and the well abandonment documentation for the site. The department considers the case closed in that you have met the requirements under ch NR 700, Wisconsin Administrative Code.

If you have any questions about this letter, please call me at 414-229-0850.

Sincerely,

John Feeney
Wisconsin Department of Natural Resources

Cc: Miller Engineers and Scientists
SER File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Darrell Bazzell, Secretary

Southeast Region Annex
4041 North Richards Street
P.O. Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-229-0800
FAX 414-229-0811

August 15, 2001

Tom Buteyn
Buteyn Excavating and Grading, Inc.
3720 North 14th Street
Sheboygan, WI 53083

Dear Mr. Buteyn:

Subject: Case closure, Buteyn Excavating and Grading property, 2838 Washington Avenue, Sheboygan, file reference FID #460015050, BRRTS #0260224520 ERR-ERP

Thank you for conducting additional work. I have reviewed your case file based on documents submitted by Miller Engineers and Scientists, Inc. Based on this information I agree with Miller in that no further work is needed (other than Solid Waste NR500 requirements). The department reserves the right to reopen this case pursuant to s. NR726.09, Wisconsin Administrative Code (WAC), should additional information regarding site conditions indicate contamination on or from the site poses a threat to public health, safety or welfare or the environment.

To complete the closure of this site, you must place a groundwater use restriction on the property deed at the county register of deeds office which specifies the legal description of the property, the location, type, and concentration of the contaminants and includes the following language:

> Natural attenuation has been approved by the Department of Natural Resources to remediate groundwater exceeding ch. NR 140 groundwater standards within the boundaries of this property. Construction of wells where water quality exceeds the drinking water standards in ch. NR809 is restricted by chs. NR811 and NR812. Special well construction standards or water treatment requirements, or both, or well construction prohibitions may apply. 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 to determine what specific requirements are applicable prior to constructing or reconstructing a well on this property.

Please submit a draft deed document to the department's program attorney for approval: Judy Ohm LC/5, P.O. Box 7921, Madison, WI 53707-7921. When the final copy of the deed document has been filed and notarized, please send a copy to me, and I will register the case as having final closure on our database (after well abandonment forms are received). Include the following information in your submittal to Ms. Ohm:

- Warranty deed, quit claim deed, land contract or other evidence of property ownership.

- Certified survey map or relevant portion of the recorded plat map if one is referred to in the legal description.

- Lab results showing the type and concentration of contamination, if not documented in the deed restriction.

- A site map.

- A copy of this closure letter.

This closure does not release you from Wisconsin Administrative Code NR500 (solid waste) requirements. Under Wisconsin Administrative Code Chapter NR500, the site must be capped with an impermeable barrier such as clay soil or an asphalt cap. Although waste at the site is covered, the cover fill material is either not documented as low permeability material, or is documented as high permeability material. The department will accept a one-foot thickness of clay soil cover at this site due to the substantial thickness of fill already in place.

Furthermore, the site may not be built on without an exemption to build on an abandoned waste site. To help you get that exemption, you may wish to conduct methane monitoring with the existing monitoring wells before you abandon them. Contact Bizhan Sheikholeslami, WDNR Solid Waste Engineer, at 414-229-0852 for those requirements. If contaminated soil or waste is excavated in the future for construction or other purposes, it must be properly characterized and disposed, and the department must be notified.

Within 60 days all of the groundwater monitoring wells at the site must be abandoned in accordance with WAC NR 141 and the completed abandonment forms must be submitted to the department. Once the department receives the abandonment forms (and a copy of the deed document), this case will be tracked as closed on our computer tracking system

If you have any questions about this letter, please call me at 414-229-0850.

Sincerely,

John Feeney
Wisconsin Department of Natural Resources

Cc: Miller Engineers and Scientists
SER File

1611436

SHEBOYGAN COUNTY, WI
RECORDED ON

09-27-2001 11:34 AM

DARLENE J. NAVIS
REGISTER OF DEEDS

RECORDING FEE: 17.00
TRANSFER FEE:

066210 6

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

In re: Part of the South ½ of the South ½ of Section 33, Town 15 North, Range 23 East, City of Sheboygan, Sheboygan County, Wisconsin, bounded and described as follows: Commencing at a two inch iron pipe found at the Southeast corner of Section 33; thence North 00°39'08" West along the East line of the South ½ of the South ½ of the Southeast ¼ of Section 33, 670.03 feet (recorded as North 01°04'54" West, 660.63 feet) to a one inch iron pipe found at the Northeast corner of the South ½ of the South ½ of the Southeast ¼; thence South 88°09'58" West, along the North line of the South ½ of the South ½ of the Southeast ¼, 342.16 feet to a one inch iron pipe set at the point of beginning; thence continuing South 88°09'58" West, along the North line of the South ½ of the South ½ of the Southeast ¼ of Section 33, 849.76 feet to a one inch iron pipe found on the East line of the Chicago and Northwestern Railroad right-of-way; thence South 41°25'09" West, along said East line, 840.53 feet to a one inch iron pipe set on the north line of Business Highway "42"; thence the following courses and distances along said North line: North 86°00'21" East, 269.70 feet to a ½" re-rod found; Northeasterly 244.40 feet along the arc of a curve to the left, said curve having a radius of 956.45 feet and a main chord of which bears North 78°41'08" East 243.73 feet to a ½" re-rod found; thence North 18°38'05" West 20.00 feet to a one inch iron pipe set; thence Northeasterly 28.20 feet along the arc of a curve to the left, said curve having a radius of 936.45 feet and a main chord which bears North 70°30'10" East, 28.20 feet to a one inch iron pipe set; South 20°21'36" East, 20.00 feet to a ½" re-rod found; Northeasterly 191.97 feet along the arc of a curve to the left, said curve having a radius of 956.45 feet and a main chord of which bears North 63°53'24" East 191.65 feet to a ½" re-rod found; North 31°51'36" West, 20.00 feet to a one inch iron pipe set; Northeasterly 37.59 feet along the arc of a curve to the left, said curve having a radius of 936.45 feet and a main chord of which bears North 56°59'24" East 37.59 feet to a one inch iron pipe set; South 34°09'36" East 20.00 feet to a one inch iron pipe set; Northeasterly 124.87 feet along the arc of a curve to the left, said curve having a radius of 956.45 feet and a main chord of which bears North 52°06'00" East 124.78 feet to a ½" re-rod found; North 48°21'35" East 307.16 feet to a ½" re-rod found; Northeasterly 201.05 feet along the arc of a curve to the right, said curve having a radius of 969.12 feet and a main chord of which bears North 54°18'10" East 200.69 feet to a ½" re-rod found; North 29°45'15" West 20.00 feet to a ½" re-rod found; Northeasterly 42.58 feet along the arc of a curve to the right, said curve having a radius of 689.12 feet and a main chord of which bears North 61°28'45" East 42.58 feet to a ½" re-rod found; South 27°17'15" East 20.00 feet to a ½" re-rod found; Northeasterly 150.19 feet along the arc of a curve to the right, said curve having a radius of 969.12 feet and a main chord of which bears North 67°09'07" East 150.04 feet to the point of beginning.
Tax parcel number: 431774

This instrument was drafted by and should be returned to:
Thomas P. Shannon, Esq.
Fox, O'Neill & Shannon, S.C.
622 N. Water Street, Suite 500
Milwaukee, Wisconsin 53202

STATE OF WISCONSIN)
) ss
COUNTY OF SHEBOYGAN)

WHEREAS, Buteyn Excavating & Grading, Inc., a Wisconsin corporation, is the owner of the above described property.

WHEREAS, one or more petroleum discharges and/or volatile organic compound discharges may have occurred on this property. Petroleum contaminated groundwater above ch. NR 140, Wis. Adm. Code, enforcement standards existed on this property on the following dates at the following locations as referenced to Figure 2 attached hereto: (1) water samples taken from monitoring well MW4 on April 20, 2000, June 12, 2000, August 30, 2000, November 7, 2000, and January 19, 2001 reflected benzene concentrations of 22, 18, 10, 9.1, and 6.9 micrograms per liter ("µg/l"), respectively; and (2) water samples taken from monitoring well MW7 on August 30, 2000 and November 7, 2000 reflected benzene concentrations of 5.8 and 5.9 µg/l, respectively. Volatile organic compound contaminated groundwater above ch. NR 140, Wis. Adm. Code, enforcement standards existed on this property on the following dates at the following locations as referenced to Figure 2 attached hereto: (1) water samples taken from monitoring well MW4 on April 20, 2000 and June 12, 2000 reflected vinyl chloride concentrations of 220 and 650 µg/l, respectively, and cis-1,2-dichloroethene concentrations of 140 and 82 µg/l, respectively; (2) water samples taken from monitoring well MW4A on April 20, 2000, June 12, 2000, August 30, 2000, November 7, 2000, January 19, 2001, March 7, 2001, May 29, 2001 and July 11, 2001 reflected vinyl chloride concentrations of 43, 110, 91, 210, 240, 92, 43, and 76 µg/l, respectively; (3) water samples taken from monitoring well MW7A on January 19, 2001, March 7, 2001, May 29, 2001 and July 11, 2001 reflected vinyl chloride concentrations of 10, 16, 84 and 48 µg/l, respectively; (4) water samples taken from monitoring well MW7B on January 19, 2001, March 7, 2001, May 29, 2001 and

July 11, 2001 reflected tetrachloroethene concentrations of 90, 43, 20 and 25 µg/l, respectively; and (5) a water sample taken from monitoring well MW7B on January 19, 2001 reflected a trichloroethene concentration of 8.2 µg/l. The locations of the monitoring wells are provided on Figure 2 attached and made a part of this restriction.

WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct further groundwater or soil remediation activities on the property at the present time.

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

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

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

> Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.
>
> If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

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

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

By signing this document, Thomas J. Buteyn asserts that he is duly authorized to sign this document on behalf of Buteyn Excavating & Grading, Inc.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 24th day of September, 2001.

BUTEYN EXCAVATING & GRADING, INC.

By: _____
Thomas J. Buteyn, President

Subscribed and sworn to before me
this 24th day of September, 2001.

Thomas P. Shannon

Thomas P. Shannon
Notary Public, State of Wisconsin
My commission is permanent.

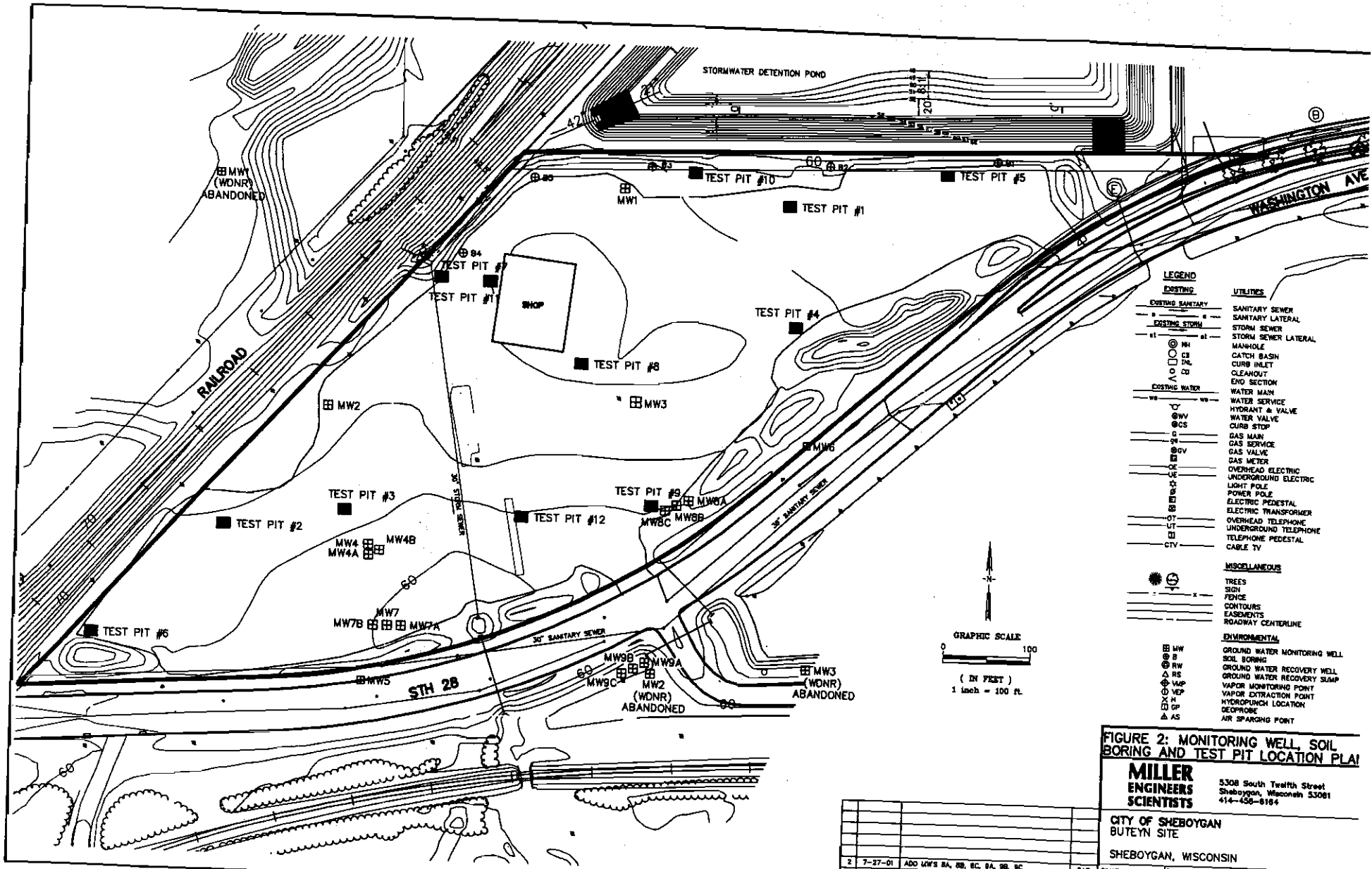


FIGURE 2: MONITORING WELL, SOIL BORING AND TEST PIT LOCATION PLAN

MILLER ENGINEERS SCIENTISTS

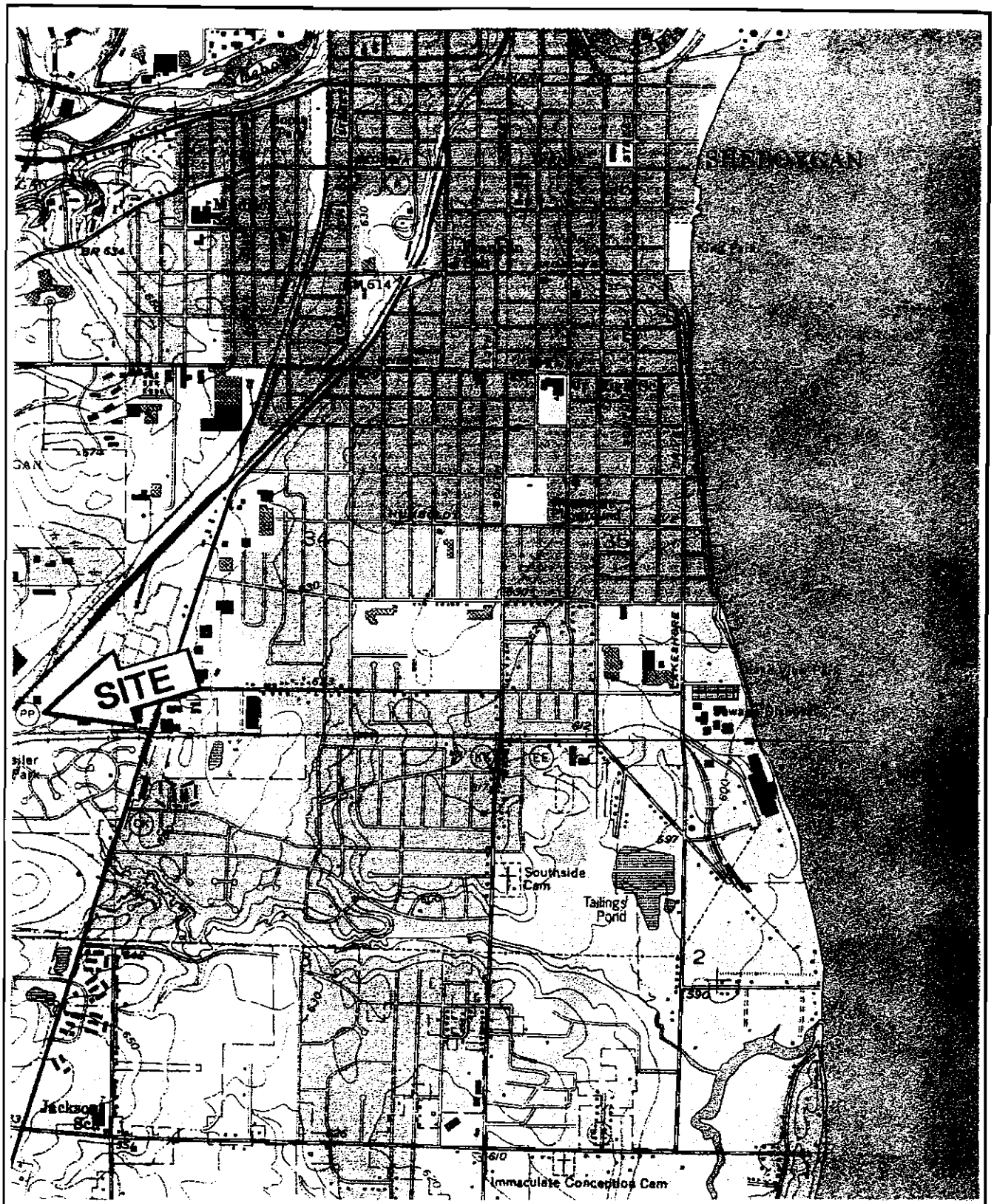
5308 South Twelfth Street
Sheboygan, Wisconsin 53081
414-458-6164

CITY OF SHEBOYGAN
BUTEYN SITE

SHEBOYGAN, WISCONSIN

NO.	DATE	DESCRIPTION	BY
2	7-27-01	ADD MW'S 8A, 8B, 8C, 9A, 9B, 9C	SAB
1	12-1-00	ADD MW'S 4B, 7, 7A, 7B	SAB

SCALE	DATE	BY	SHEET
HOR. 1"=100'	8-30-2000	MCW	
VER.	JOB 14876E1A	CK PGP	OF



MILLER ENGINEERS SCIENTISTS 5308 SOUTH 12TH STREET SHEBOYGAN, WI. 53081 PH. 920-458-6164	DATE 7-5-00	BY SCM	JOB: BUTEYN PROPERTY – WASHINGTON AVE. LOCATION: SHEBOYGAN, WISCONSIN
	JOB. NO. 14876E	CK PGP	

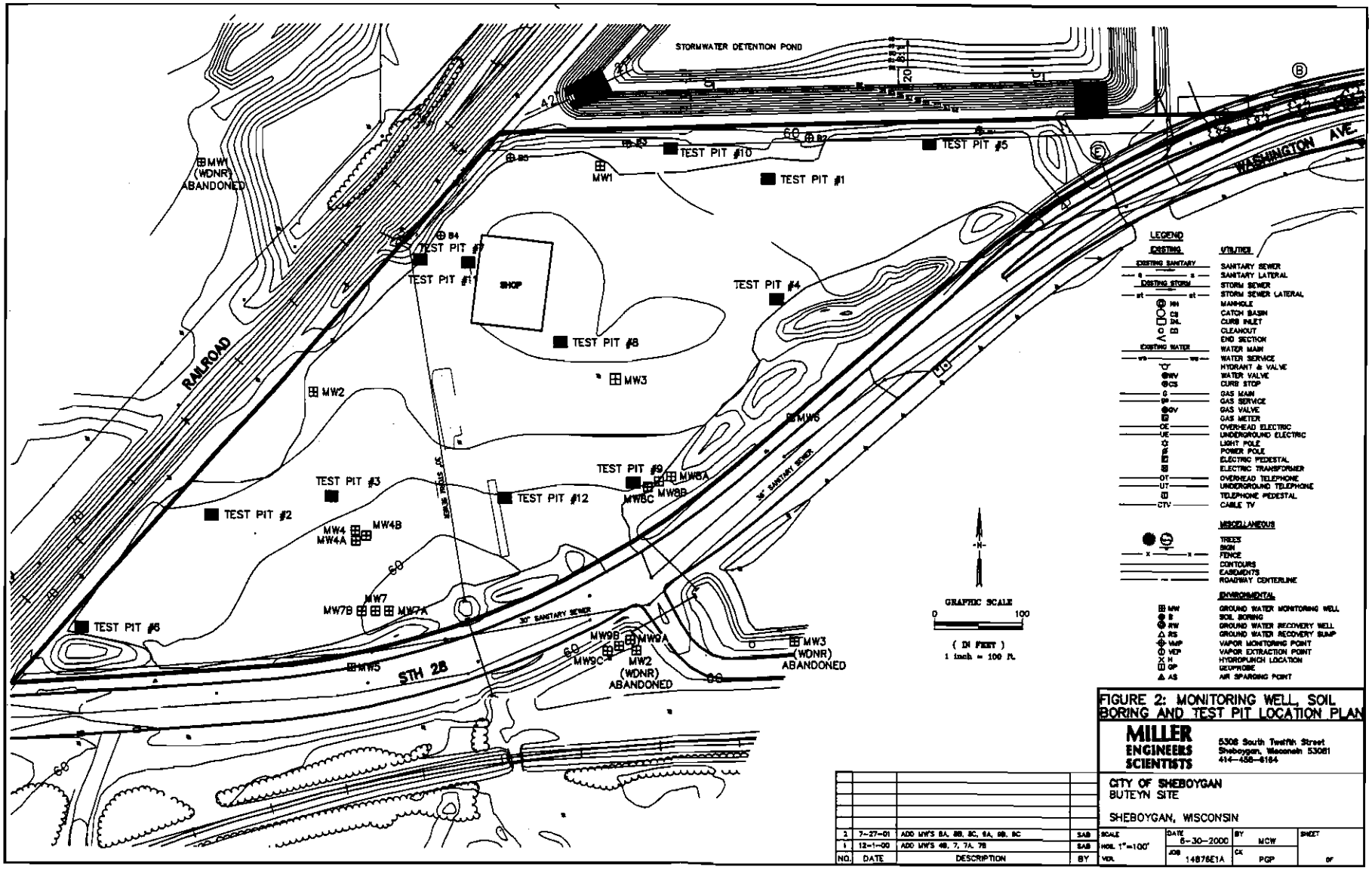


FIGURE 2: MONITORING WELL, SOIL BORING AND TEST PIT LOCATION PLAN

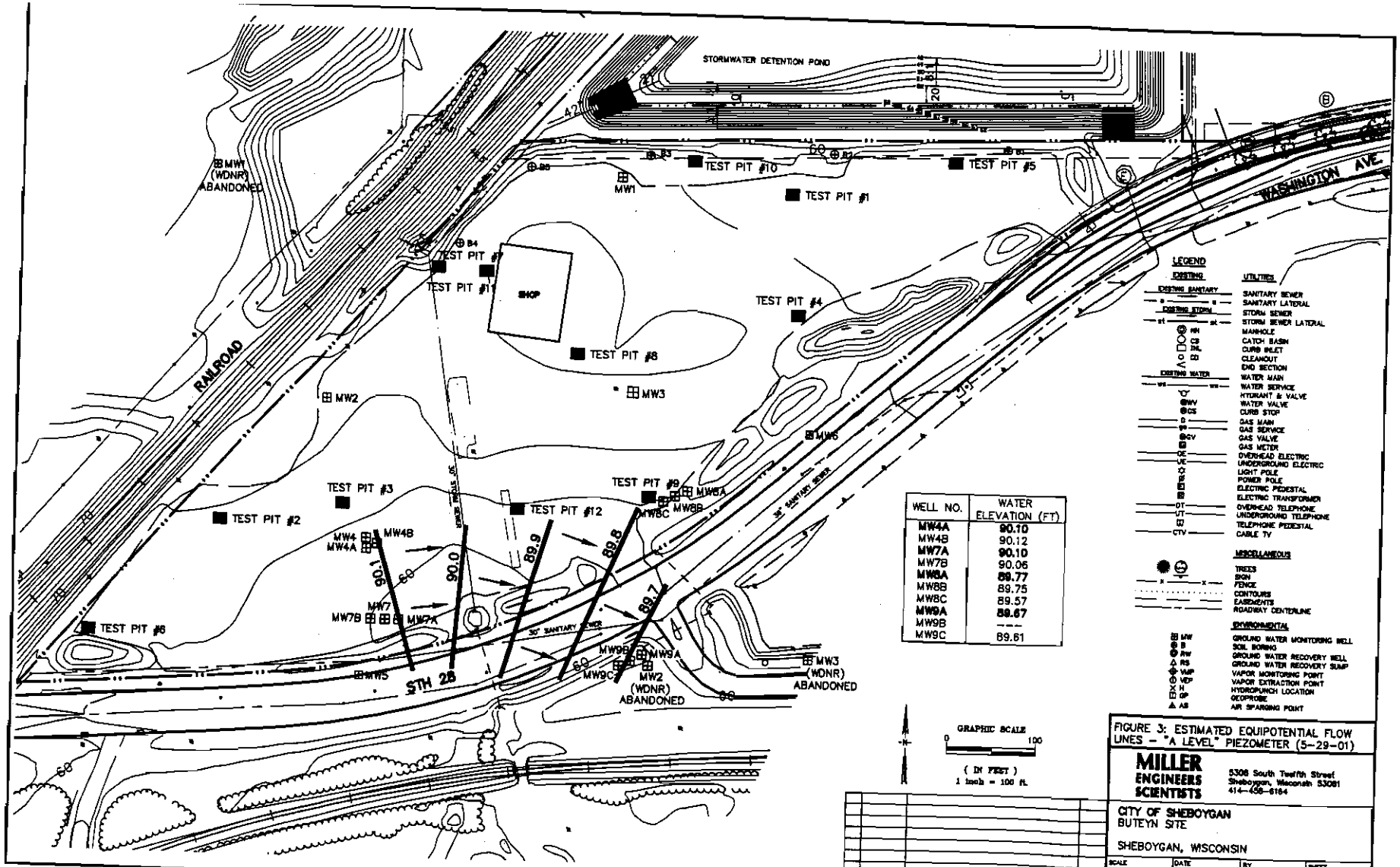
MILLER ENGINEERS SCIENTISTS
5308 South Twelfth Street
Sheboygan, Wisconsin 53081
414-458-8184

CITY OF SHEBOYGAN
BUTEYN SITE

SHEBOYGAN, WISCONSIN

NO.	DATE	DESCRIPTION	BY
2	7-27-01	ADD MW'S 8A, 8B, 8C, 9A, 9B, 9C	SAB
1	12-1-00	ADD MW'S 4B, 7, 7A, 7B	SAB

SCALE HOR. 1"=100'	DATE 6-30-2000	BY MCW	SHEET
VER.	JOB 14876E1A	CK PGP	OF



WELL NO.	WATER ELEVATION (FT)
MW4A	**90.10**
MW4B	90.12
MW7A	**90.10**
MW7B	90.06
MW8A	**89.77**
MW8B	89.75
MW8C	89.57
MW9A	**89.67**
MW9B	---
MW9C	89.61

FIGURE 3: ESTIMATED EQUIPOTENTIAL FLOW LINES – "A LEVEL" PIEZOMETER (5-29-01)

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

CITY OF SHEBOYGAN
BUTEYN SITE

SHEBOYGAN, WISCONSIN

TABLE 2
Historic Ground Water Analytic Test Results

Buteyn Excavating & Grading, Inc.-Sheboygan, Wisconsin
Project #14876E

MW1

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	1.4†	0.37	6.7	5.8	0.32	<8	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
6/12/00	—	<1	0.29	5.8	—	—	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
8/30/00	120.0	—	—	—	6.5	0.25	—	<0.3	—	—	—	—	—
11/7/00	41.0	—	—	—	15	0.25	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	86.35
6/12/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	91.36
8/30/00	—	<0.4	—	—	<0.47	—	—	<0.37	<1.03	—	<1.43	90.62
11/7/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.09	<0.2	<1.43	90.04
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

I:\DATA\BPHEAD\ENV\14800\14876EV-tsteric.xls

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW2

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	<1	0.8	10	74	0.28	<8	1.8	1†	2.7	0.47†	2.2	0.39†
6/12/00	—	<1	0.81	9.8	—	—	—	2.2	1†	2.9	<0.44	3.7	<0.37
8/30/00	12.0	—	—	—	30	0.29	—	1.3	1†	2.3	<0.44	<0.37	<0.37
11/7/00	0.2	—	—	—	36	0.30	—	1.4	0.86†	2.5	<0.44	0.74†	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	<0.43	4.9	5.5	1.3†	0.65†	4.6	2.6	3.5	22.2	<0.87	116.4	90.24
6/12/00	<0.43	9	6.9	1†	<0.47	5.1	3	0.89†	25.8	<0.87	118.1	92.39
8/30/00	—	0.3	6.5	0.65†	<0.47	4.2	1.6	1.0†	17.9	<0.87	45	92.59
11/7/00	<0.43	0.45†	6.8	1.1†	<0.47	4.4	2.4	0.92†	24.5	<0.2	84.9	91.95
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW3

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	8.1	0.10	27	1.5	0.48	<8	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
6/12/00	—	16	0.13	18	—	—	—	0.91†	<0.48	<0.43	<0.44	<0.37	<0.37
8/30/00	1300.0	—	—	—	5.5	0.13	—	0.92†	<0.48	<0.43	<0.44	<0.37	<0.37
11/7/00	1300.0	—	—	—	3.9	0.083	—	1†	<0.48	<0.43	<0.44	<0.37	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.63	<0.42	<0.37	<1.03	<0.87	<1.43	86.95
6/12/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	88.76
8/30/00	<0.43	<0.4	<0.38	<0.44	4.3	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	89.76
11/7/00	<0.43	<0.4	1.1†	<0.44	3.7	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	89.70
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW4

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	1.9†	1.1	10	4.0	0.36	<8	22	<0.48	0.51	<0.44	8.7	140
6/12/00	—	1.6†	1.5	10	—	—	—	18	<0.48	<0.43	<0.44	36	82
8/30/00	89.0	—	—	—	68.0	0.19	—	10	2.3	6.3	<0.44	85	0.94†
11/7/00	20.0	—	—	—	64.0	0.16	—	9.1	2.1	5.4	<0.44	100	0.56†
1/19/01	—	—	—	—	—	—	—	6.9	2.3	5.7	<0.44	95	0.58"J"
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	Chloroethane (µg/L)	GW Elevation (feet)
4/20/00	5.4	2.7	4.2	0.5†	<0.47	<0.53	1†	12	5.0†	220	58	—	87.68
6/12/00	3.7	1.4	3.6	<0.44	<0.47	<0.53	<0.42	2.6	3.3†	650	30.3	13	89.46
8/30/00	<0.43	54	51	2.3	0.48†	3.6	8	4.4	51	2†	51.4	1.8	90.49
11/7/00	<0.43	110	71	3.3	<0.47	4.2	8.1	4.3	45	0.56†	90	2.1	90.69
1/19/01	<0.43	78	64	3.6	1.7	3.5	10	8.8	49	<0.2	105	4.6	90.48
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)	Chloroethane (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2	400
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02	80

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW4A

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	<1	0.24	3.0	4.7	0.11	<8	<0.39	<0.48	<0.43	<0.44	6.5	<0.37
6/12/00	—	1.1†	0.20	2.3†	—	—	—	<0.39	<0.48	<0.43	<0.44	13	<0.37
8/30/00	34.0	—	—	—	6.6	0.14	—	<0.39	<0.48	<0.43	<0.44	22	<0.37
11/7/00	14.0	—	—	—	5.9	0.14	—	<0.39	<0.48	<0.43	<0.44	35	5.4
1/19/01	—	—	—	—	—	—	—	<2	<2.4	<2.2	<2.2	27	4.2"J"
3/7/01	—	—	—	—	—	—	—	<2	<2.4	<2.2	<2.2	31	3"J"
5/29/01	—	—	—	—	—	—	—	<1.1	<1.1	<0.65	<1	58	<1.1
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	100	0.36"J"

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	Chloro methane (µg/L)	GW Elevation (feet)
4/20/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	43	<1.43		87.62
6/12/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	110	<1.43		89.78
8/30/00	<0.43	<0.4	<0.38	<0.44	30	<0.53	<0.42	<0.37	<1.03	91	<1.43		89.42
11/7/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	210	<1.43		89.52
1/19/01	<2.2	<2	<1.9	<2.2	7.6"J"	<2.7	<2.1	<1.9	<5.2	240	<7.2		89.62
3/7/01	<2.2	<2	<1.9	<2.2	<2.4	<2.7	<2.1	<1.9	<5.2	92	<7.2		89.71
5/29/01	<1.3	<1.1	<1	<0.8	<2.3	<3.5	<0.9	<2.1	<3	43	<3.5		
7/11/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	76	<0.43	4.9	

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)	Chloro methane (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2	3
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02	0.3

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW4B

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	—	—	—	—	—	—	—	—	—	—	—	—
6/12/00	—	—	—	—	—	—	—	—	—	—	—	—	—
8/30/00	120.0	—	—	—	2.3	0.063	—	<0.39	<0.48	<0.43	<0.44	<0.37	0.48†
11/7/00	130.0	—	—	—	<0.139	0.03†	—	<0.39	<0.48	<0.43	<0.44	<0.37	0.37†
1/19/01	—	—	—	—	—	—	—	<0.39	<0.48	<0.43	<0.44	<0.37	0.37†
3/7/01	—	—	—	—	—	—	—	<0.39	0.6"J"	<0.43	<0.44	<0.37	0.37†
5/29/01	—	—	—	—	—	—	—	<0.21	0.47"J"	<0.13	<0.19	<0.39	<0.21
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	—	—	—	—	—	—	—	—	—	—	—	—
6/12/00	—	—	—	—	—	—	—	—	—	—	—	—
8/30/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	89.42
11/7/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	89.41
1/19/01	<0.43	<0.4	<0.38	<0.44	0.68"J"	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	89.58
3/7/01	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	89.62
5/29/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.60	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW5

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	<1	0.091	3.4	4.3	0.24	1.8†	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
6/12/00	—	<1	0.075	1.0†	—	—	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
8/30/00	42.0	—	—	—	2.5	0.081	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
11/7/00	31.0	—	—	—	2.0	0.062	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	87.04
6/12/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	88.62
8/30/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	88.38
11/7/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	88.49
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW6

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	4.2	0.30	12	5.1	0.31	<8	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
6/12/00	—	2.4†	0.27	4.2	—	—	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
8/30/00	—	—	—	—	—	—	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
11/7/00	13.0	—	—	—	8.1	0.14	—	<0.39	<0.48	<0.43	<0.44	<0.37	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	86.76
6/12/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	89.45
8/30/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.87	<1.43	89.23
11/7/00	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	<0.2	<1.43	89.45
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW7

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
4/20/00	—	—	—	—	—	—	—	—	—	—	—	—	—
6/12/00	—	—	—	—	—	—	—	—	—	—	—	—	—
8/30/00	18	—	—	—	12	0.12	—	5.8	<0.48	<0.43	<0.44	14.0	<0.37
11/7/00	11	—	—	—	9.4	0.10	—	5.9	<0.48	<0.43	<0.44	10.0	<0.37
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—	—

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
4/20/00	—	—	—	—	—	—	—	—	—	—	—	—
6/12/00	—	—	—	—	—	—	—	—	—	—	—	—
8/30/00	<0.43	1.8	0.4†	<0.44	0.83†	<0.53	<0.42	430	<1.03	<0.87	10.20	88.72
11/7/00	<0.43	1.9	<0.38	<0.44	0.51†	<0.53	<0.42	400	<1.03	<0.2	9.40	88.78
1/19/01	—	—	—	—	—	—	—	—	—	—	—	—
3/7/01	—	—	—	—	—	—	—	—	—	—	—	—
5/29/01	—	—	—	—	—	—	—	—	—	—	—	—
7/11/01	—	—	—	—	—	—	—	—	—	—	—	—

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

* NR 140 Register, March 2000, No. 531

DRAFT FOR REVIEW ONLY

TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW7A

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
1/19/01	—	—	—	—	—	—	—	<0.39	<0.48	<0.43	<0.44	11	<0.37
3/7/01	—	—	—	—	—	—	—	<0.39	<0.48	<0.43	<0.44	13	<0.37
5/29/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	20	<0.21
7/11/01	—	—	—	—	—	—	—	<1.1	<1.1	<0.65	<1	4.1*J*	<1.1

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
1/19/01	<0.43	<0.4	<0.38	<0.44	7.4	<0.53	<0.42	<0.37	<1.03	10	<1.43	89.58
3/7/01	<0.43	<0.4	<0.38	<0.44	<0.47	<0.53	<0.42	<0.37	<1.03	16	<1.43	89.66
5/29/01	<0.25	<0.22	<0.10	<0.16	<0.46	<0.60	<0.18	<0.41	<0.60	84	<0.69	
7/11/01	<1.3	<1.1	<1	<0.8	<2.3	<3.5	<0.9	<2.1	<1.7	48	<2.2	

MW7B

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
1/19/01	—	—	—	—	—	—	—	1*J*	<0.48	0.54*J*	<0.44	<0.37	<0.37
3/7/01	—	—	—	—	—	—	—	<0.39	1.1*J*	0.44*J*	<0.44	<0.37	<0.37
5/29/01	—	—	—	—	—	—	—	<0.21	1.6	<0.13	<0.19	<0.39	<0.21
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	Tetrachloro-ethene (µg/L)	Trichloro-ethene (µg/L)
1/19/01	<0.43	4.5	0.67*J*	<0.44	1.3*J*	<0.53	1.3*J*	**220**	0.49*J*	<0.2	19.2	90	8.2
3/7/01	<0.43	2.4	0.39*J*	<0.44	<0.47	<0.53	0.45*J*	30	0.5*J*	<0.2	9.2	43	2.3
5/29/01	<0.25	0.67*J*	<0.10	<0.16	<0.46	<0.69	<0.18	2.5	<0.60	<0.25	1.27*J*	20	1.2
7/11/01	<0.25	0.26*J*	<0.10	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	25	0.9

Date	GW Elevation (feet)
1/19/01	87.87
3/7/01	90.97
5/29/01	
7/11/01	

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)	Tetrachloro-ethene (µg/L)	Trichloro-ethene (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2	5	5
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02	0.5	0.5

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

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TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW8A

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

MW8B

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	0.23"J"	<0.13	<0.19	<0.39	<0.21
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

MW8C

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethan (µg/L)	cis-1,2-Dichloro-ethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	0.61"J"	<0.13	<0.19	<0.39	<0.21
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.19	<0.39	<0.21

Date	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	0.39"J"	
7/11/01	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	0.38"J"	

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)	Tetrachloro-ethene (µg/L)	Trichloro-ethene (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2	5	5
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02	0.5	0.5

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

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TABLE 2: Historic Ground Water Analytic Test Results (Continued)

MW9A

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	Chloroform (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.23	<0.19	<0.39
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.23	<0.19	<0.39

Date	cis-1,2-Dichloro-ethane (µg/L)	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

MW9B

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	Chloroform (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	1	<0.19	<0.39
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	0.26"J"	<0.19	<0.39

Date	cis-1,2-Dichloro-ethane (µg/L)	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

MW9C

Date	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)	Iron (mg/L)	Manganese (mg/L)	Selenium (µg/L)	Benzene (µg/L)	sec-Butyl-benzene (µg/L)	n-Butyl-benzene (µg/L)	Chloroform (µg/L)	1,2-Dichloro-benzene (µg/L)	Dichlorodi-fluoromethane (µg/L)
5/29/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	0.43"J"	<0.19	<0.39
7/11/01	—	—	—	—	—	—	—	<0.21	<0.21	<0.13	<0.23	<0.19	<0.39

Date	cis-1,2-Dichloro-ethane (µg/L)	trans-1,2-Dichloro-ethane (µg/L)	Ethyl-benzene (µg/L)	Isopropyl-benzene (µg/L)	p-Isopropyl-toluene (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)	n-Propyl-benzene (µg/L)	Toluene (µg/L)	Total TMB (µg/L)	Vinyl Chloride (µg/L)	Total Xylenes (µg/L)	GW Elevation (feet)
5/29/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.60	<0.25	<0.69	
7/11/01	<0.21	<0.25	<0.22	<0.19	<0.16	<0.46	<0.69	<0.18	<0.41	<0.34	<0.25	<0.43	

NR140 Ground Water Standard	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Total TMB (µg/L)	MTBE (µg/L)	Naph-thalene (µg/L)	Sulfate (mg/L)	Arsenic (µg/L)	Barium (mg/l)	Chromium (µg/L)
Exceeds Enforcement Standard (ES)*	5	700	1,000	10,000	480	60	40	250	50	2	100
Exceeds Preventive Action Limit (PAL)*	0.5	140	200	1,000	96	12	8	125	5	0.4	10

NR140 Ground Water Standard	Iron (mg/L)	Manganese (mg/L)	Lead (mg/L)	cis-1,2-Dichloro-ethane (µg/L)	Vinyl Chloride (µg/L)	Tetrachloro-ethene (µg/L)	Trichloro-ethene (µg/L)	Chloroform (µg/L)
Exceeds Enforcement Standard (ES)*	0.3	0.05	15	70	0.2	5	5	6
Exceeds Preventive Action Limit (PAL)*	0.15	0.025	1.5	7	0.02	0.5	0.5	0.6

TMB = Trimethylbenzenes

† = Detected below Limit of Quantitation, quantity uncertain

— = Not Tested

"J" = Analyte detected between LOD and LOQ

* NR 140 Register, March 2000, No. 531

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