GIS REGISTRY INFORMATION

SITE NAME:	WAUPACA FOUNDRY INC - SLUDGE LAGOON						
BRRTS #:	02-69-307022	**FID # (if appropriate):**					
COMMERCE # (if appropriate):							
CLOSURE DATE:	12/21/2004						
STREET ADDRESS:	311 TOWER ROAD						
CITY:	WAUPACA						
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X=** 595222	**Y=** 431793					
CONTAMINATED MEDIA:	Groundwater	X	Soil		Both		
OFF-SOURCE GW CONTAMINATION >ES:			Yes	X	No		
IF YES, STREET ADDRESS 1:							
GPS COORDINATES (meters in WTM91 projection):	**X=**		**Y=**				
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):			Yes	X	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**	NA
County Parcel ID number, *if used for county*, for all affected properties	NA
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	NA
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	NA
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate	X
Copies of off-source notification letters (if applicable)	NA
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	NA
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	NA

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 711

December 21, 2004

COPY

Jeff Loeffler
ThsyssenKrupp Waupaca, Inc.
PO Box 249
Waupaca, WI 54981

SUBJECT: Final Case Closure by Closure Committee with Conditions Met
Waupaca Foundry Former Sludge Lagoons, Waupaca, WI
WDNR BRRTS #: 02-69-307022

Dear Mr. Loeffler:

On July 13, 2004, the Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On July 30, 2004, you were notified that the Closure Committee had granted conditional closure to this case.

On July 28, 2004, Vasanta Kalluri and Paula Leier-Engelhardt (STS Consultants) met with Kathy Erdmann and Rick Stoll (Department of Natural Resources) to discuss specifics of the conditional closure. On December 6, 2004, the Department received correspondence indicating that you have complied with the conditions of closure. These conditions included:

- Identification of paved and unpaved areas on the property. As a result of follow-up discussions between the Department and STS, it was determined that a soil deed restriction for protection of groundwater was not needed to satisfy the conditions of closure.
- Submittal of well abandonment forms for wells B-1A, B-1B, B-1R, B-2A, B-2R,B-3A,B-3R, B-4/MW-4, B-5, B-6R,B-7, B-11, B-11A, B-12R, B-12AR, B-21AR, B-21RR, B-22, B-23, and MW-24R.

Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-492-5865.

Sincerely,

Annette Weissbach

Annette Weissbach
Hydrogeologist
Remediation & Redevelopment Program

cc: Vasanta Kalluri – STS Consultants, 1035 Kepler Drive, Green Bay WI 54311

COPY

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY Access via relay - 711

July 30, 2004

Mr. Jeff Loeffler
Waupaca Foundry, Inc.
PO Box 249
Waupaca, WI 54981

Subject: Conditional Case Closure
Waupaca Foundry Former Sludge Lagoons, Waupaca, Wisconsin
WDNR BRRTS # 02-69-307022

Dear Mr. Loeffler:

On July 13, 2004, the Northeast Regional Closure Committee reviewed your request for closure of the case referenced above. The closure committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the closure committee has determined that the metal and PCE contamination on the site from the former sludge lagoons appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed once the following conditions are satisfied:

1. The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Completed abandonment reports should be submitted to my attention at the above address. Well abandonment Form 3300-5B can be found at http://www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources

2. A deed restriction must be signed and recorded. This restriction will address the issue that any impermeable capped areas that currently exist at or near monitoring wells with ES exceedances must be maintained to minimize contaminant infiltration to groundwater. The cap is to be maintained in accordance with a maintenance plan prepared by you and submitted to the Department pursuant to s. NR 724.13(2), Wis. Adm. Code. The purpose of the restriction is to maintain a surface barrier over the remaining soil contamination to prevent it from impacting the environment.

3. A $200.00 fee is required to list the property on the GIS soil registry.

4. If you have not already done so, please submit a copy of the most recent deed and a map for the property and I will prepare a draft deed restriction. After you have reviewed the draft document for completeness, you should sign it - if you own the property, or have the appropriate property owner sign it, and have it recorded by the Waupaca County Register of Deeds. Then you should submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you

will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm]

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate all the efforts you have made on this site. If you have any questions regarding this letter, please contact me at (920) 492-5798.

Sincerely,

Kathy Erdmann

Kathy Erdmann
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Vasanta Kalluri / Paula Leier-Engelhardt; STS Consultants, LTD, 1035 Kepler Drive, Green Bay, WI 54311-8320

DOCUMENT NO.

125370

VOL. 597 PAGE 799

WARRANTY DEED
STATE OF WISCONSIN—FORM 4

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER'S OFFICE
Waupaca County, Wis.

RECEIVED FOR RECORD

AUG 28 1984

At 11:45 o'clock A M. and recorded in Vol. [illegible] page [illegible]

[illegible]

Waupaca Abstract & Title Co., Inc.
215 South Main Street
P.O. Box 248
Waupaca, Wisconsin 54981

RETURN TO

THIS INDENTURE, Made this 27th day of August, A. D., 1984, between The Budd Company, a Pennsylvania Corporation successor by merger to The Budd Realty Corporation, party of the first part, and Waupaca Foundry, Inc., a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Tower Road, Waupaca, Wisconsin, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of Forty Thousand Dollars ($40,000) to it in hand paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Waupaca and State of Wisconsin, to-wit:

TRANSFER FEE
PAID IN FULL
120.00

See Reverse Side

(IF NECESSARY, CONTINUE DESCRIPTION ON REVERSE SIDE)

Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said part of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said The Budd Company for its heirs, executors and administrators, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensealing and delivery of these presents it was well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever and that the above bargained premises in the quiet and peaceful possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT AND DEFEND.

In Witness Whereof, the said party of the first part has hereunto set its hand and seal this 27th day of August, A. D., 1984.

SIGNED AND SEALED IN PRESENCE OF

T. I. Davenport

N. A. Meyers

The Budd Company (SEAL)

J. H. McBrearty, V.P. & Treas. (SEAL)

R. H. Hird, Asst Treas (SEAL)

(SEAL)

State of ~~Wisconsin~~, Michigan
County of Oakland } ss.

Personally came before me, this 27th day of August, A. D. 1984, the above named J. H. McBrearty and R. H. Hird respectively V.P. & Treasurer and Assistant Treasurer of The Budd Company acting in its behalf to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Elaine L. Blackburn

THIS INSTRUMENT WAS DRAFTED BY

T. Davenport

NOTARY SEAL

Notary Public, Oakland County, ~~Wis~~ Mich.

My commission (expires) (is) March 14, 1988

[illegible] of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typewritten thereon the name of the person who, or possessing the [illegible] grantees, witnesses and notary. Section [illegible] requires that the name of the person who, or possessing [illegible] shall be printed, typewritten, stamped or written thereon in a legible manner.

WARRANTY DEED — [illegible] Corporation

STATE OF WISCONSIN
FORM No. 4

Wisconsin Legal Blank Company
Milwaukee, Wisconsin 53210

No. 597 800

Warranty Deed

This instrument should be immediately placed on file to avoid trouble and litigation.

This space reserved for Register of Deeds

TO

Return to

Waupaca Abstract & Title Co., Inc.
215 South Main Street
P.O. Box 244
Waupaca, Wis.

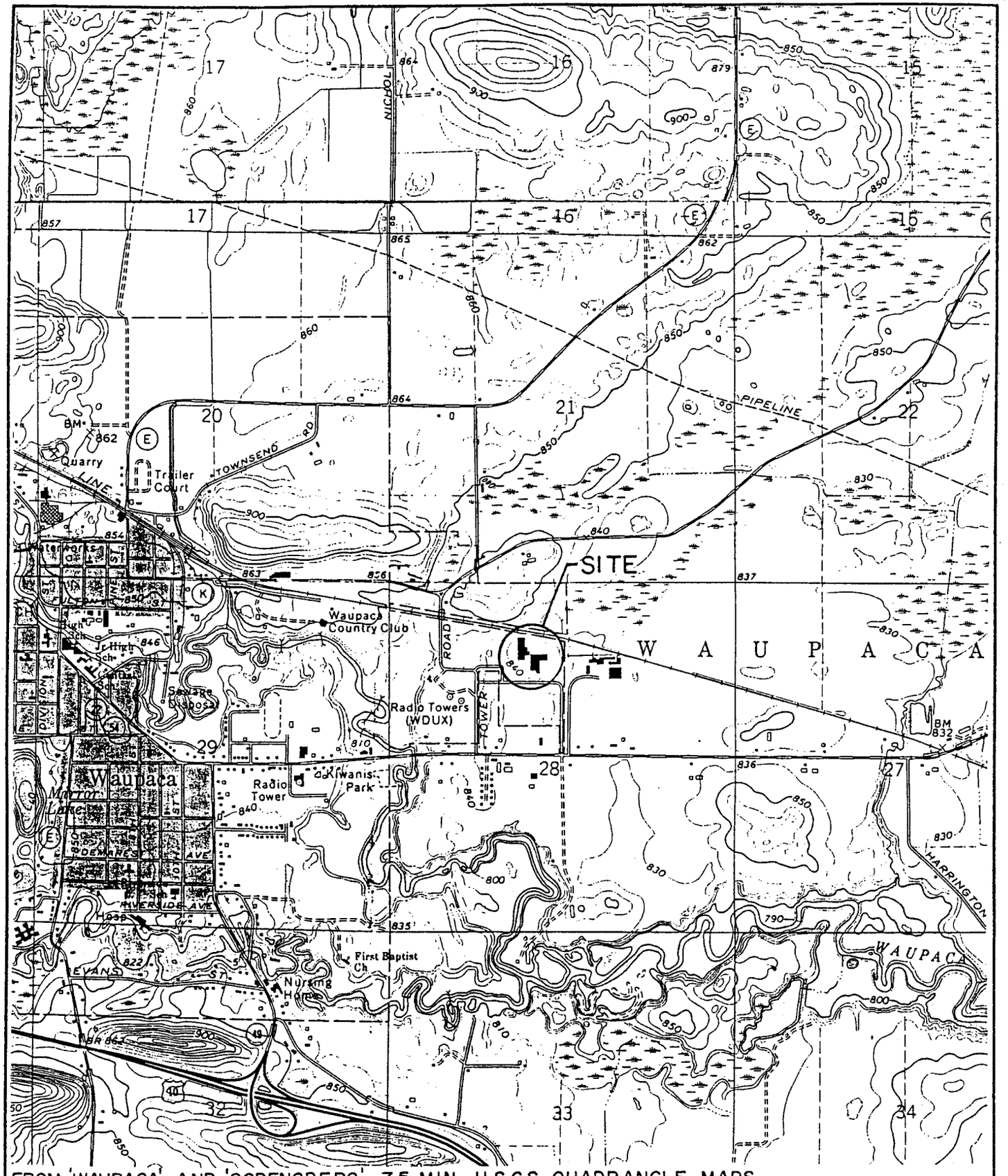
WISCONSIN LEGAL BLANK COMPANY
MILWAUKEE, WISCONSIN

Parcel Description

That part of the NE¼ of the NW¼, and that part of the NW¼ of the NW¼, all in Section 28, T 22 N, R 12 E, Town of Waupaca, Waupaca County, Wisconsin, described as follows: Commencing at the SE corner of the said NE¼, NW¼, Section 28, and assuming the East line of the NW¼ to bear N 3°20' W; thence S 86°40' W, 169.0 feet, thence S 12°50' E, 205.2 feet; thence S 86°57' W, 732.0 feet; thence N 3°14' W, 206.37 feet to the South line of the said NE¼, NW¼, Sec. 28, which shall be the place of beginning of this description; thence N 87°09'40" E, 44.67 feet along said forty line; thence N 3°24' W, 577.12 feet to the southerly right-of-way line of the Soo Line Railroad; thence N 83°16'40" W, 565.6 feet along said Railroad right-of-way line; thence S 3°13'10" E, 633.05 feet to the northerly right-of-way line of Tower Road; thence N 87°09'40" E, 93.1 feet along said right-of-way line; thence S 3°02'30' E, 33.0 feet to the South line of the NE¼, NW¼, Sec. 28; thence N 87°09'40" E, 421.23 feet along said forty line to the point of beginning...Containing 7.[illegible] acres, more or less...Subject to existing easements and rights-of-way of record...

...Including a 20 ft. wide access easement to Tower Road being 10 feet on either side of the following described easement centerline; Commencing at the SE corner of the NE¼, NW¼, said Section 28: thence S 86°40' W, 169.0 feet; thence S 12°50' E, 205.2 feet; thence S 86°57' W, 732.0 feet; thence N 3°14' W, 206.37 feet to the point of beginning of said easement centerline to be herein described; thence S 3°14' E, 206.37 feet; thence S 86°57' W, 461.5 feet, more or less, to the centerline of Tower Road and the termination of said easement centerline...

BRUNING 521880



FROM 'WAUPACA' AND 'OGDENSBERG' 7.5 MIN. U.S.G.S. QUADRANGLE MAPS

STS Consultants Ltd.
Consulting Engineers

PROJECT/CLIENT

SITE LOCATION - U.S.G.S. QUADRANGLE MAP

WAUPACA FOUNDRY INC.

RCRA FACILITY INVESTIGATION

TASK I : DESCRIPTION OF CURRENT CONDITION

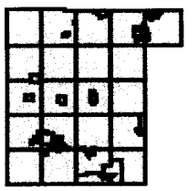
DRAWN BY		
CHECKED BY		
APPROVED BY	RLE	22 Aug 90
SCALE 1:24000	FIGURE NO. 1	
STS DRAWING NO. 17559XF		

Waupaca County Internet Parcel Map

Prepared by the Waupaca County Property Listing Office
715-258-6215

Copyright (C) Waupaca County Land Information Office.

Overview Map



Legend

- Parcel Lines
- Munic Names
- Road Centerline
- Road ROW

Residual

TYPE

- 1
- 3
- 50
- 51
- 55
- 99

Forest Program Lands

LAND_USE

- 2
- 4
- 5
- 9

- Water Bodies
- Munic Outline

2000 Ortho Photo

Value

High : 255

Low : 0

ATTENTION!!

G.I.S. tax parcel maps are for informational purposes only and are not intended to represent evidence in title. The representations on these maps could in fact be in error and should not be relied upon as the sole determining factor in the location of any given parcel. Waupaca County is not responsible for any inaccuracies contained herein. Individuals should consult legal representation or professional survey advice to confirm and insure accuracy of a given parcel description.

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-1A	4/18/1985	--	4.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.3	--	--	--	--
	9/18/1985	--	ND	12	--	20	ND	--	--	80	440	1.1	--	ND	ND	--	--	--	--	2.55	0.4	ND	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	620	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/15/1986	--	--	ND	--	ND	ND	--	--	ND	810	ND	--	ND	ND	--	--	--	--	3	ND	0.03	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	360	ND	--	ND	ND	--	--	--	--	1.6	0.42	0.02	--	--
	7/8/1986	--	ND	ND	--	1.5	ND	--	--	ND	44000	ND	--	ND	ND	--	--	ND	--	3.1	0.1	0.07	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	490	--	--	--	--	--	--	--	--	--	0.2	--	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	260	--	--	--	--	--	--	ND	--	2.1	0.29	ND	--	--
	12/16/1986	--	ND	ND	--	ND	ND	--	--	ND	290	ND	--	ND	ND	--	--	ND	--	2.4	0.48	ND	--	--
	3/10/1987	--	2	ND	--	ND	ND	--	--	ND	320	ND	--	ND	ND	--	--	ND	--	2	0.33	ND	--	--
	6/23/1987	--	ND	ND	--	0.3	ND	--	--	ND	250	ND	--	ND	ND	--	--	ND	--	1.62	ND	ND	--	--
	9/14/1987	--	1.1	ND	--	ND	ND	--	--	ND	240	ND	--	ND	ND	--	--	ND	--	2.5	0.27	ND	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	--	0.13	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	0.2	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	17	ND	0.5	2	--	ND	ND	230	ND	ND	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	0.4	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.13	1.4	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	640	--	--	ND	--	--	--	--	--	--	0.022	1.2	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	370	--	--	ND	--	--	--	--	--	--	0.049	1.8	--	--
	6/8/1993	ND	ND	19	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	--	ND	ND	ND	--	--	0.3	--	--	1.8
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	470	--	--	ND	--	--	--	--	--	--	0.19	--	2.1	--
	12/7/1993	--	ND	--	--	0.8	ND	--	--	ND	480	--	--	ND	--	--	--	--	--	1.6	0.17	--	1.5	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	390	--	--	ND	--	--	--	--	--	1.4	0.28	--	0.64	--
	5/9/1994	--	ND	--	--	0.22	ND	--	--	ND	230	--	--	ND	--	--	--	--	--	0.72	ND	--	3.7	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5	0.017	--	0.15	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	1.6	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	230	--	--	ND	--	--	--	--	--	1.4	0.006	--	ND	--
	2/14/1995	--	ND	--	--	0.29	ND	--	--	ND	410	--	--	ND	--	--	--	--	--	0.78	0.005	--	2.5	--
	5/15/1995	ND	ND	16	ND	ND	ND	ND	ND	ND	85	ND	0.79	ND	ND	ND	5	ND	ND	0.78	0.055	--	3	--
	8/21/1995	--	ND	--	--	ND	ND	--	--	ND	150	--	--	ND	--	--	--	--	--	0.98	ND	--	0.42	--
	11/14/1995	--	ND	--	--	0.32	ND	--	--	ND	300	--	--	ND	--	--	--	--	--	0.66	ND	--	2.7	--
	2/13/1996	--	ND	--	--	ND	1.4	--	--	ND	110	--	--	1.7	--	--	--	--	--	0.59	ND	--	2	--
	5/15/1996	ND	ND	12	0.088	ND	ND	ND	ND	ND	86	ND	1.2	ND	ND	ND	4.4	ND	ND	0.69	ND	--	--	0.13
	8/12/1996	--	ND	--	--	ND	ND	--	--	ND	160	--	--	ND	--	--	--	--	--	0.53	ND	--	--	--
	11/19/1996	--	ND	--	--	ND	ND	--	--	ND	340	--	--	ND	--	--	--	--	--	0.62	ND	--	--	--
	2/10/1997	--	ND	--	--	ND	ND	--	--	ND	560	--	--	ND	--	--	--	--	--	0.57	ND	--	--	1.8
	5/20/1997	--	ND	--	--	ND	ND	--	--	2	240	--	--	ND	--	--	--	--	--	0.51	ND	--	--	1.7
	8/26/1997	ND	ND	20	ND	ND	ND	ND	1.9	ND	470	ND	1.8	ND	ND	ND	5.1	ND	ND	0.66	ND	--	--	1.2
	11/20/1997	--	ND	--	--	0.16	ND	--	--	ND	400	--	--	ND	--	--	--	--	--	0.66	ND	--	--	0.59
	2/3/1998	--	ND	--	--	0.22	ND	--	--	ND	550	--	--	ND	--	--	--	--	--	0.65	ND	--	--	1.5
	5/11/1998	--	ND	--	--	ND	ND	--	--	1.4	250	--	--	ND	--	--	--	--	--	0.68	ND	--	--	0.66
	8/5/1998	--	ND	--	--	ND	ND	--	--	1.9	160	--	--	ND	--	--	--	--	--	0.62	0.0022	--	--	<0.31
	11/18/1998	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.14	0.0022	--	--	--
	5/19/1999	ND	4.8	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.44	ND	--	--	1.5
	11/10/1999	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	0.53	0.0026	--	--	1.1
	5/23/2000	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.55	0.0035	--	--	--
	11/1/2000	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	0.98	0.0075	--	--	0.048
	5/2/2001	ND	ND	--	--	ND	1.8	ND	--	ND	--	--	--	--	--	--	--	--	--	0.7	ND	--	--	--
	11/15/2001	--	2.5	--	--	0.53	ND	--	--	ND	--	--	--	--	--	--	--	--	--	0.83	0.0067	--	--	0.87
	5/15/2002	ND	5	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.82	ND	--	--	--
	11/19/2002	--	<2.6	--	--	<0.23	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.7	0.0083	--	1.3	1.3
	5/20/2003	2	2.2	--	--	0.22	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	1.1	<0.010	--	--	<0.075
	11/12/2003	--	<1.6	--	--	0.18	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.68	<0.010	--	--	1.1
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-1B	9/18/1985	--	4.7	49	--	20	ND	--	--	60	ND	2.6	--	ND	ND	--	--	--	--	2.01	1.08	0.86	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	2.04	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	30	--	--	ND	ND	ND	--	ND	ND	--	--	--	--	1.7	ND	2.7	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	1.6	0.18	2.8	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	1.5	0.081	3.4	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	1.9	ND	3.32	--	--
	12/16/1986	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	2.09	ND	2.94	--	--
	3/10/1987	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	1.72	ND	2.96	--	--
	6/23/1987	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	1.68	ND	3.77	--	--
	9/14/1987	--	ND	ND	--	2.2	ND	--	--	9	ND	ND	--	ND	ND	--	--	ND	--	1.82	ND	3.4	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	0.6	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	0.6	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	0.2	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	1.1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	42	ND	0.8	ND	--	ND	ND	ND	ND	22	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	4	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	2.8	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	3.3	--	--
	6/8/1993	ND	ND	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	ND	--	--	4.6
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	--	4.2	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.52	ND	--	4.2	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.52	ND	--	4.8	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.55	ND	--	3.8	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.63	0.021	--	4.1	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	2	--	--	0.47	1.4	--	--	ND	ND	--	--	2.4	--	--	--	--	--	0.65	0.005	--	4.9	--
	2/14/1995	--	ND	--	--	ND	1.8	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.59	0.005	--	4.2	--
	5/15/1995	ND	ND	34	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	4.7	1.1	ND	ND	0.68	ND	--	4.5	--
	8/21/1995	--	ND	--	--	ND	2	--	--	ND	2.6	--	--	ND	--	--	--	--	--	0.56	ND	--	0.13	--
	11/14/1995	--	ND	--	--	ND	0.7	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.57	ND	--	4.1	--
	2/13/1996	--	ND	--	--	0.23	1.6	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.54	ND	--	2.7	--
	5/15/1996	ND	ND	31	0.09	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	0.53	ND	--	--	2.5
	8/12/1996	--	ND	--	--	0.17	1.5	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.5	ND	--	--	3.1
	11/19/1996	--	ND	--	--	ND	1.7	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.49	ND	--	--	1.1
	2/10/1997	--	ND	--	--	0.24	1.5	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.45	ND	--	--	2.7
	5/20/1997	--	ND	--	--	ND	1	--	--	2.1	ND	--	--	ND	--	--	--	--	--	0.45	ND	--	--	2
	8/26/1997	ND	ND	34	ND	ND	1.4	ND	ND	ND	0.41	ND	ND	ND	ND	ND	1.2	ND	ND	0.42	ND	--	--	1.8
	11/20/1997	--	ND	--	--	ND	1.7	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.43	ND	--	--	2.2
	2/3/1998	--	ND	--	--	0.37	1.1	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.43	ND	--	--	2.9
	5/11/1998	--	ND	--	--	ND	1.3	--	--	1.2	ND	--	--	ND	--	--	--	--	--	0.45	ND	--	--	3.7
	8/5/1998	--	6.5	--	--	ND	1.6	--	--	2.8	ND	--	--	MD	--	--	--	--	--	0.4	ND	--	--	3.4
	11/18/1998	ND	ND	--	--	ND	1.3	ND	--	ND	--	--	--	--	--	--	--	--	--	0.15	ND	--	--	3.1
	5/19/1999	ND	6.4	--	--	ND	1.4	ND	--	ND	--	--	--	--	--	--	--	--	--	0.32	ND	--	--	1.8
	11/10/1999	--	ND	--	--	ND	1.7	--	--	ND	--	--	--	--	--	--	--	--	--	0.33	ND	--	--	8.2
	5/23/2000	ND	ND	--	--	ND	1.5	ND	--	ND	--	--	--	--	--	--	--	--	--	0.34	0.0013	--	--	6.9
	11/1/2000	--	ND	--	--	ND	1.9	--	--	ND	--	--	--	--	--	--	--	--	--	0.35	ND	--	--	6
	5/2/2001	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.33	ND	--	--	5.4
	11/15/2001	--	ND	--	--	ND	1.6	--	--	ND	--	--	--	--	--	--	--	--	--	0.31	ND	--	--	4.5
	5/15/2002	ND	7.8	--	--	ND	2.1	ND	--	ND	--	--	--	--	--	--	--	--	--	0.34	ND	--	--	4.2
	11/19/2002	--	<13	--	--	<0.23	1.8	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.28	<0.005	--	3.8	3.8
	5/20/2003	<1.5	2.5	--	--	<0.16	1.8	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.33	<0.010	--	--	5.1
	11/12/2003	--	<1.6	--	--	0.18	1.8	--	--	3.6	--	--	--	--	--	--	--	--	--	0.33	<0.010	--	--	4
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-1R	9/18/1985	--	4.7	85	--	ND	ND	--	--	90	5600	0.6	--	ND	ND	--	--	--	--	1.68	1.56	ND	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	3600	--	--	--	--	--	--	--	--	1.62	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	ND	--	--	ND	3400	ND	--	ND	ND	--	--	--	--	0.91	0.026	6.4	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	3500	ND	--	ND	ND	--	--	--	--	1.2	0.42	1.4	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	3000	--	--	--	--	--	--	ND	--	0.64	0.052	1.3	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	7600	--	--	--	--	--	--	ND	--	2.1	ND	1.6	--	--
	12/16/1986	--	ND	ND	--	0.5	ND	--	--	ND	13500	ND	--	ND	ND	--	--	ND	--	1.52	ND	0.29	--	--
	3/10/1987	--	ND	ND	--	ND	ND	--	--	ND	9000	ND	--	ND	ND	--	--	ND	--	1.56	ND	0.05	--	--
	6/23/1987	--	ND	ND	--	ND	1.4	--	--	ND	12000	ND	--	ND	ND	--	--	ND	--	1.7	ND	ND	--	--
	9/14/1987	--	ND	ND	--	ND	ND	--	--	ND	11000	ND	--	ND	ND	--	--	ND	--	1.8	ND	3.08	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	1.5	--	--	--	--	--	--	--	ND	--	0.3	ND	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	1.2	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1993	ND	ND	ND	ND	ND	3.4	ND	ND	ND	5900	ND	ND	2.7	ND	ND	ND	ND	--	--	7.1	--	--	15
	9/9/1993	--	ND	4300	--	ND	ND	--	ND	ND	4300	ND	--	4.2	ND	--	--	ND	--	--	ND	--	10	--
	12/7/1993	--	ND	ND	--	ND	ND	--	ND	ND	4000	ND	--	4	ND	--	--	ND	--	--	ND	--	8.2	--
	2/9/1994	--	ND	ND	--	ND	ND	--	ND	ND	5100	ND	--	5.2	ND	--	--	ND	--	0.24	ND	--	11	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	1800	--	--	ND	--	--	--	--	--	0.42	ND	--	20	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.68	ND	--	3.8	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	5	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	0.84	1500	--	--	4.2	--	--	--	--	--	0.87	ND	--	0.6	--
	2/14/1995	--	ND	--	--	0.32	ND	--	--	ND	3300	--	--	ND	--	--	--	--	--	0.64	ND	--	2	--
	5/15/1995	ND	ND	11	ND	ND	ND	ND	1.8	ND	1800	ND	1.2	5.4	ND	ND	2.8	ND	0.002	0.71	ND	--	5.1	--
	8/21/1995	--	ND	--	--	ND	0.65	--	--	ND	1800	--	--	3.6	--	--	--	--	--	0.72	ND	--	0.33	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	2600	--	--	3.3	--	--	--	--	--	0.73	ND	--	2	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	1400	--	--	2.1	--	--	--	--	--	0.66	0.036	--	14	--
	5/15/1996	ND	ND	9.1	0.11	ND	ND	ND	3.8	ND	1500	ND	1.7	ND	ND	ND	3.2	ND	ND	0.59	ND	--	--	4
	8/12/1996	--	ND	--	--	ND	0.67	--	--	ND	1200	--	--	9.1	--	--	--	--	--	0.73	ND	--	--	3.2
	11/19/1996	--	ND	--	--	ND	0.88	--	--	ND	3200	--	--	6.7	--	--	--	--	--	0.68	ND	--	--	0.94
	2/10/1997	--	ND	--	--	ND	ND	--	--	ND	3300	--	--	ND	--	--	--	--	--	0.53	ND	--	--	1.5
	5/20/1997	--	ND	--	--	0.33	ND	--	--	ND	3700	--	--	3.8	--	--	--	--	--	0.47	ND	--	--	3.2
	8/26/1997	5.3	2.5	7.4	0.1	ND	1.4	0.95	1.8	ND	2000	ND	1.1	ND	ND	ND	1.7	ND	ND	1	ND	--	--	1.5
	11/20/1997	--	ND	--	--	0.16	0.94	--	--	2.4	3300	--	--	3	--	--	--	--	--	0.65	ND	--	--	1.4
	2/3/1998	--	ND	--	--	0.39	ND	--	--	ND	1600	--	--	ND	--	--	--	--	--	0.95	ND	--	--	3.8
	5/11/1998	--	ND	--	--	ND	ND	--	--	1.4	1300	--	--	4.1	--	--	--	--	--	0.93	0.002	--	--	3.9
	8/5/1998	--	ND	--	--	ND	ND	--	--	ND	390	--	--	2.4	--	--	--	--	--	0.96	0.0048	--	--	2.3
	11/18/1998	ND	ND	--	--	ND	0.46	ND	--	ND	--	--	--	--	--	--	--	--	--	0.43	ND	--	--	0.84
	5/19/1999	ND	ND	--	--	ND	ND	1.2	--	ND	--	--	--	--	--	--	--	--	--	0.63	0.0038	--	--	--
	11/10/1999	--	ND	--	--	ND	0.49	--	--	ND	--	--	--	--	--	--	--	--	--	0.56	0.0086	--	--	0.1
	5/23/2000	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.45	0.0018	--	--	0.88
	11/1/2000	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	0.44	ND	--	--	0.93
	5/2/2001	ND	ND	--	--	0.26	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	0.16	0.0064	--	--	0.66
	11/15/2001	--	ND	--	--	0.42	ND	--	--	ND	--	--	--	--	--	--	--	--	--	0.27	0.0051	--	--	4
	5/15/2002	ND	ND	--	--	ND	ND	0.57	--	ND	--	--	--	--	--	--	--	--	--	0.16	ND	--	--	0.69
	11/19/2002	--	<2.6	--	--	<0.23	0.58	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.28	0.0052	--	3.2	3.2
	5/20/2003	1.8	2.1	--	--	0.22	<0.43	0.44	--	<0.94	--	--	--	--	--	--	--	--	--	0.27	<0.010	--	--	1.5
	11/12/2003	--	1.8	--	--	0.32	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.43	<0.010	--	--	2
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-2A	9/18/1985	--	2.8	73	--	20	ND	--	--	110	170	0.4	--	ND	ND	--	--	--	--	2.03	0.5	ND	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	180	--	--	--	--	--	--	--	--	2.13	--	--	--	--
	1/15/1986	--	ND	250	--	ND	ND	--	--	ND	340	ND	--	ND	ND	--	--	--	--	1.9	ND	0.08	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	160	ND	--	ND	ND	--	--	--	--	1.5	0.15	0.05	--	--
	7/8/1986	--	ND	400	--	ND	ND	--	--	ND	200	ND	--	ND	ND	--	--	ND	--	1.4	0.1	0.06	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	230	--	--	ND	--	--	--	--	--	5.2	--	--	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	260	--	--	--	--	--	--	ND	--	2.3	0.13	ND	--	--
	12/16/1986	--	--	--	--	--	--	--	--	--	300	--	--	--	--	--	--	--	--	2	--	--	--	--
	3/10/1987	--	ND	ND	--	ND	ND	--	--	ND	770	ND	--	ND	ND	--	--	--	--	1.74	0.19	ND	--	--
	6/23/1987	--	ND	ND	--	ND	ND	--	--	ND	340	ND	--	ND	ND	--	--	ND	--	1.76	ND	ND	--	--
	9/14/1987	--	ND	ND	--	ND	ND	--	--	ND	330	ND	--	ND	ND	--	--	ND	--	1.65	ND	ND	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	0.95	ND	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	0.8	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	0.2	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	0.2	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	ND	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	0.4	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	44	ND	ND	ND	--	ND	ND	500	ND	19	5.6	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	ND	1.7	--
	12/7/1992	--	--	--	--		ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/8/1992	--	ND	--	--	ND	ND	--	--	--	610	--	--	2.4	--	--	--	--	--	--	--	ND	1.8	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	540	--	--	4.1	--	--	--	--	--	--	--	ND	1.9	--
	6/8/1993	ND	ND	36	ND	0.8	ND	ND	ND	ND	410	ND	ND	5.5	--	ND	ND	ND	--	--	0.2	--	--	1.8
	9/9/1993	--	ND	--	--	ND	ND	--	--	ND	180	--	--	2.8	--	--	--	--	--	--	ND	--	1.8	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	260	--	--	3.9	--	--	--	--	--	--	ND	--	2	--
	2/10/1994	--	ND	--	--	ND	ND	--	--	ND	270	--	--	6.6	--	--	--	--	--	0.81	ND	--	1.6	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	20	--	--	4.3	--	--	--	--	--	0.79	ND	--	2.4	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.72	ND	--	3.8	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	5	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	1.6	--	--	ND	--	--	--	--	--	0.72	ND	--	1.9	--
	2/14/1995	--	ND	--	--	ND	ND	--	--	ND	7.4	--	--	1.7	--	--	--	--	--	0.49	0.004	--	0.14	--
	5/15/1995	ND	ND	36	ND	ND	ND	ND	6	ND	38	ND	0.85	ND	ND	ND	0.85	ND	ND	0.73	ND	--	0.78	1.1
	8/21/1995	--	ND	--	--	0.29	ND	--	--	ND	62	--	--	ND	--	--	--	--	--	0.68	ND	--	3.7	--
	11/14/1995	--	ND	--	--	0.19	ND	--	--	ND	92	--	--	1.6	--	--	--	--	--	0.75	ND	--	2.1	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	72	--	--	ND	--	--	--	--	--	0.68	ND	--	0.82	--
	5/15/1996	6.4	ND	48	0.26	0.72	ND	ND	7.7	ND	76	ND	1.7	3.5	ND	ND	1.4	ND	ND	0.59	0.088	--	--	--
	8/12/1996	--	ND	--	--	0.24	ND	--	--	ND	120	--	--	ND	--	--	--	--	--	0.48	ND	--	--	3
	11/19/1996	--	<1.8	--	--	0.29	<0.61	--	--	<2	78	--	--	<1.8	--	--	--	--	--	0.72	<0.015	--	--	0.67
	2/11/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	12	--	--	<1.8	--	--	--	--	--	0.7	<0.015	--	--	0.41
	5/20/1997	--	<1.8	--	--	<0.16	<0.61	--	--	2	140	--	--	<1.3	--	--	--	--	--	0.48	<0.015	--	--	0.89
	8/26/1997	<4	<1.8	49	<0.083	<0.16	<0.61	<0.61	4.3	<2	170	<0.05	1	<1.3	<1.1	<1.2	0.86	<12	<0.004	0.6	<0.015	--	--	1.6
	11/20/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	130	--	--	<1.3	--	--	--	--	--	0.68	<0.015	--	--	0.71
	2/3/1998	--	<1.8	--	--	0.17	<0.61	--	--	<2	140	--	--	<1.3	--	--	--	--	--	0.69	<0.015	--	--	0.42
	5/11/1998	--	<4.2	--	--	<0.26	0.64	--	--	2.5	320	--	--	<1.3	--	--	--	--	--	0.52	0.0021	--	--	0.68
	8/5/1998	--	<4.2	--	--	<0.26	0.41	--	--	<1.2	240	--	--	<1.3	--	--	--	--	--	0.52	<0.001	--	--	0.61
	11/18/1998	<2.9	<4.2	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.68	<0.001	--	--	0.056
	5/19/1999	<2.9	<4.2	--	--	<0.21	<0.42	1.2	--	<1.4	--	--	--	--	--	--	--	--	--	0.54	0.0012	--	--	0.047
	11/10/1999	--	<4.2	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.62	<0.001	--	--	0.27
	5/23/2000	<2.9	<4.2	--	--	<0.21	<0.42	0.51	--	<1.4	--	--	--	--	--	--	--	--	--	0.67	0.0025	--	--	0.23
	11/2/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.61	<0.005	--	--	1.8
	5/2/2001	<2.1	<2.3	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.69	<0.005	--	--	2.9
	11/15/2001	--	2.8	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.69	<0.005	--	--	3.4
	5/15/2002	<2.1	4.9	--	--	<0.23	0.74	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.92	<0.005	--	--	3.7
	11/20/2002	--	<2.6	--	--	0.42	0.53	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.65	<0.005	--	3	3
	5/20/2003	2.2	<1.6	--	--	<0.17	<0.43	1.6	--	<0.94	--	--	--	--	--	--	--	--	--	0.76	<0.010	--	--	2.3
	11/12/2003	--	<1.6	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.8	<0.010	--	--	2
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-2R	9/18/1985	--	4.2	291	--	20	ND	--	--	70	1320	0.2	--	ND	ND	--	--	--	--	1.79	1	0.34	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	780	--	--	--	--	--	--	--	--	2.7	--	--	--	--
	1/15/1986	--	ND	280	--	ND	ND	--	--	ND	750	ND	--	ND	ND	--	--	--	--	4.7	0.029	0.5	--	--
	4/21/1986	--	9	500	--	60	ND	--	--	44	1600	ND	--	ND	ND	--	--	--	--	5.3	16	4.1	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	350	--	--	ND	--	--	--	38	--	7.3	0.17	0.14	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	1900	--	--	--	--	--	--	ND	--	3.7	5.9	ND	--	--
	12/16/1986	--	8.4	200	--	0.7	ND	--	--	1.9	950	ND	--	ND	ND	--	--	ND	--	5.9	0.67	ND	--	--
	3/10/1987	--	--	--	--			--	--	--	--	--	--	--	--	--	--	--	--	1.18	--	--	--	--
	6/23/1987	--	ND	ND	--	4.1	1.7	--	--	ND	18400	ND	--	ND	3	--	--	180	--	1.54	ND	2.38	--	--
	9/14/1987	--	ND	ND	--	1.6	ND	--	--	2.2	7200	ND	--	ND	ND	--	--	110	--	2	ND	2.2	--	--
	6/6/1988	--	--	--	--	21	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	4	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/1988	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	2.2	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	0.8	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	0.6	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1993	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	--	--	4.6	--	--	0.95
	9/9/1993	--	ND	15	--	1.2	ND	--	ND	ND	12	ND	--	8.5	ND	--	--	ND	--	--	0.061	--	1.2	--
	12/7/1993	--	ND	30	--	ND	ND	--	3.9	ND	17	ND	--	8.2	ND	--	--	ND	--	1.1	ND	--	1.6	--
	2/10/1994	--	ND	33	--	ND	ND	--	3.2	ND	38	ND	--	7.6	ND	--	--	ND	--	1.5	ND	--	1.4	--
	5/9/1994	--	ND	--	--	1.1	ND	--	--	ND	10	--	--	6.1	--	--	--	--	--	2.8	ND	--	2.9	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.6	ND	--	0.28	--
	8/29/1994	14	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	3	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	11	ND	--	--	0.62	150	--	--	2.4	--	--	--	--	--	1.2	0.022	--	ND	--
	2/14/1995	--	ND	--	--	2.6	ND	--	--	ND	430	--	--	2.2	--	--	--	--	--	1.4	0.004	--	0.17	--
	5/15/1995	ND	ND	76	ND	5.9	ND	ND	7.7	ND	200	ND	1.6	ND	ND	ND	ND	37	ND	1.5	ND	--	0.18	--
	8/21/1995	--	ND	--	--	9.3	1	--	--	ND	930	--	--	ND	--	--	--	--	--	0.69	ND	--	3.7	--
	11/14/1995	--	ND	--	--	3.4	ND	--	--	ND	260	--	--	ND	--	--	--	--	--	0.98	ND	--	0.72	--
	2/13/1996	--	ND	--	--	1.2	ND	--	--	ND	260	--	--	ND	--	--	--	--	--	1.1	ND	--	0.09	--
	5/15/1996	ND	ND	39	ND	0.48	1.2	1	7	ND	0.17	ND	1.2	ND	ND	ND	0.63	ND	ND	1	ND	--	--	2.5
	8/12/1996	--	ND	--	--	2.8	ND	--	--	ND	0.67	--	--	ND	--	--	--	--	--	0.84	ND	--	--	0.65
	11/19/1996	--	<1.8	--	--	9	<0.61	--	--	<2	160	--	--	<1.8	--	--	--	--	--	1	<0.015	--	--	1.5
	2/11/1997	--	<1.8	--	--	6.9	<0.61	--	--	<2	89	--	--	<1.8	--	--	--	--	--	0.44	<0.015	--	--	4.7
	5/20/1997	--	<1.8	--	--	0.64	<0.61	--	--	<2	0.91	--	--	<1.3	--	--	--	--	--	0.92	<0.015	--	--	1.4
	8/26/1997	<4	<1.8	24	<0.083	1.5	<0.61	<0.61	12	<2	3.3	<0.05	0.97	<1.3	<1.1	<1.2	<0.5	28	<0.004	0.98	<0.015	--	--	2.2
	11/20/1997	--	<1.8	--	--	0.88	<0.61	--	--	<2	2.6	--	--	<1.3	--	--	--	--	--	1.2	<0.015	--	--	0.31
	2/3/1998	--	<1.8	--	--	1.3	<0.61	--	--	<2	11	--	--	<1.3	--	--	--	--	--	1.5	<0.015	--	--	0.48
	5/11/1998	--	<4.2	--	--	1	<0.38	--	--	<1.2	1.2	--	--	<1.3	--	--	--	--	--	1.1	<0.001	--	--	0.56
	8/5/1998	--	<4.2	--	--	4.2	<0.38	--	--	1.2	52	--	--	<1.3	--	--	--	--	--	1.1	<0.001	--	--	<0.031
	11/18/1998	<2.9	<4.2	--	--	6.6	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.84	0.0095	--	--	6.6
	5/19/1999	<2.9	<4.2	--	--	0.56	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.99	<0.001	--	--	1.9
	11/10/1999	--	<4.2	--	--	0.6	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.82	0.0066	--	--	3.3
	5/23/2000	<2.9	<4.2	--	--	1.9	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.9	<0.001	--	--	0.64
	11/2/2000	--	<1.7	--	--	1.2	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.98	<00.005	--	--	2.3
	5/2/2001	<2.1	<2.3	--	--	<0.23	<0.57	<0.35	--	1.1	--	--	--	--	--	--	--	--	--	1.1	<0.005	--	--	6.3
	11/15/2001	--	3.3	--	--	1	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	1.3	<0.005	--	--	3.1
	5/15/2002	<2.1	3.8	--	--	0.69	0.82	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	1.2	<0.005	--	--	9.9
	11/20/2002	--	<2.6	--	--	1.4	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	1.1	<0.005	--	6	6
	5/20/2003	3.8	2.1	--	--	2.8	<0.43	1.6	--	<0.94	--	--	--	--	--	--	--	--	--	0.99	<0.010	--	--	2.5
	11/12/2003	--	2	--	--	0.97	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	1.5	<0.010	--	--	8
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-3A	9/18/1985	--	9.4	ND	--	20	ND	--	--	100	80	0.2	--	--	ND	ND	--	--	--	0.82	1.14	ND	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	110	--	--	--	--	--	--	--	--	1.67	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	43	--	--	ND	61	ND	--	ND	ND	--	--	--	--	0.66	ND	0.1	--	--
	4/21/1986	--	8	ND	--	ND	25	--	--	ND	240	ND	--	ND	ND	--	--	--	--	1	6	0.09	--	--
	7/8/1986	--	ND	ND	--	ND	ND	--	--	ND	3300	ND	--	ND	ND	--	--	ND	--	0.7	0.4	0.08	--	--
	7/8/1996	--	--	--	--	--	--	--	--	--	1500	--	--	--	--	--	--	--	--	1.1	--	--	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	500	--	--	--	--	--	--	ND	--	0.88	0.12	ND	--	--
	12/16/1986	--	2.3	ND	--	ND	NO	--	--	ND	630	ND	--	ND	ND	--	--	ND	--	0.88	0.21	ND	--	--
	3/10/1987	--	1.7	ND	--	ND	ND	--	--	ND	440	ND	--	ND	ND	--	--	ND	--	0.67	0.32	ND	--	--
	6/23/1987	--	2	ND	--	ND	ND	--	--	ND	260	ND	--	ND	ND	--	--	ND	--	0.73	ND	ND	--	--
	9/14/1987	--	1.3	ND	--	ND	ND	--	--	ND	210	ND	--	ND	ND	--	--	ND	--	0.84	0.23	ND	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	0.76	ND	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	53	ND	0.4	ND	--	ND	ND	63	ND	ND	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.11	4.5	--	--
	12/8/1992	--	2.2	--	--	ND	ND	--	--	ND	53	--	--	ND	--	--	--	--	--	--	0.058	ND	--	--
	3/8/1993	--	2.9	--	--	ND	ND	--	--	ND	53	--	--	ND	--	--	--	--	--	--	0.048	ND	--	--
	6/9/1993	ND	ND	48	ND	ND	ND	ND	ND	ND	50	ND	ND	ND	--	ND	ND	ND	--	--	1.5	--	--	--
	9/9/1993	--	2.3	--	--	ND	ND	--	--	ND	60	--	--	ND	--	--	--	--	--	--	0.066	--	ND	--
	12/7/1993	--	3.1	--	--	ND	ND	--	--	ND	66	--	--	ND	--	--	--	--	--	--	0.081	--	ND	--
	2/10/1994	--	ND	--	--	ND	ND	--	--	ND	65	--	--	ND	--	--	--	--	--	0.67	0.1	--	ND	--
	5/9/1994	--	2.9	--	--	ND	ND	--	--	ND	40	--	--	ND	--	--	--	--	--	0.69	0.04	--	ND	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.26	--	ND	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	0.67	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	110	--	--	ND	--	--	--	--	--	0.67	0.074	--	ND	--
	2/15/1995	--	ND	--	--	ND	0.77	--	--	ND	160	--	--	ND	--	--	--	--	--	0.7	0.008	--	0.042	--
	5/15/1995	ND	ND	54	ND	ND	ND	ND	ND	ND	53	ND	0.94	ND	ND	ND	ND	ND	ND	0.92	0.02	--	0.024	--
	8/21/1995	--	ND	--	--	ND	ND	--	--	ND	47	--	--	ND	--	--	--	--	--	0.69	ND	--	ND	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	53	--	--	ND	--	--	--	--	--	0.72	ND	--	0.05	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	74	--	--	ND	--	--	--	--	--	0.66	ND	--	ND	--
	5/15/1996	--	ND	43	ND	ND	ND	ND	ND	ND	41	ND	1	ND	ND	ND	ND	ND	ND	0.68	ND	--	--	--
	5/15/1996	ND	ND	--	ND	ND	ND	ND	ND	ND	39	ND	1.7	ND	ND	ND	ND	ND	ND	0.69	ND	--	--	--
	8/12/1996	--	ND	--	--	0.27	ND	--	--	ND	65	--	--	ND	--	--	--	--	--	0.65	0.026	--	--	0.03
	11/19/1996	--	3.1	--	--	<0.16	<0.61	--	--	<2	81	--	--	<1.8	--	--	--	--	--	0.64	0.054	--	--	<0.023
	2/11/1997	--	ND	--	--	<0.16	<0.61	--	--	<2	15	--	--	<1.8	--	--	--	--	--	0.75	<0.015	--	--	0.46
	5/20/1997	--	ND	--	--	<0.16	<0.61	--	--	<2	30	--	--	<1.3	--	--	--	--	--	0.54	<0.015	--	--	0.097
	8/26/1997	<4	ND	47	<0.083	<0.16	<0.61	<0.61	<1.7	<2	29	<0.05	0.84	<1.3	<1.1	<1.2	<0.5	<12	<0.004	0.62	<0.015	--	--	0.04
	8/26/1997	<4	ND	48	<0.083	<0.16	<0.61	<0.61	<1.7	<2	29	<0.05	0.75	<1.3	<1.1	<1.2	<0.5	<12	<0.004	0.61	<0.015	--	--	0.095
	11/20/1997	--	3.9	--	--	0.19	0.63	--	--	<2	36	--	--	<1.3	--	--	--	--	--	0.61	<0.015	--	--	0.036
	2/3/1998	--	ND	--	--	0.21	<0.61	--	--	<2	58	--	--	<1.3	--	--	--	--	--	0.62	<0.015	--	--	0.084
	5/11/1998	--	ND	--	--	<0.26	<0.38	--	--	<1.2	24	--	--	<1.3	--	--	--	--	--	0.65	0.0062	--	--	0.079
	8/5/1998	--	ND	--	--	<0.226	<0.38	--	--	<1.2	22	--	--	<1.3	--	--	--	--	--	0.58	0.0054	--	--	0.06
	11/18/1998	<2.9	ND	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.6	0.018	--	--	0.044
	5/19/1999	<2.9	ND	--	--	<0.21	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.57	0.0047	--	--	0.6
	11/11/1999	--	ND	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.55	0.0022	--	--	0.2
	5/23/2000	<2.9	ND	--	--	<0.21	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.64	0.028	--	--	0.38
	11/2/2000	--	3.8	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.61	0.02	--	--	0.071
	5/2/2001	<2.1	ND	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.59	0.019	--	--	0.079
	11/15/2001	--	ND	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.62	0.0059	--	--	0.45
	5/15/2002	<2.1	5.7	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.64	<0.005	--	--	0.41
	11/20/2002	--	<2.6	--	--	<0.23	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.6	0.0067	--	0.73	0.73
	5/20/2003	<1.5	4	--	--	<0.17	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.58	<0.010	--	--	0.38
	11/12/2003	--	1.9	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.69	<0.010	--	--	0.15
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-3R	9/18/1985	--	2.8	3	--	20	ND	--	--	100	500	0.8	--	ND	ND	--	--	--	--	1.46	0.48	2.9	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	2510	--	--	--	--	--	--	--	--	1.67	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	ND	--	--	ND	3100	ND	--	ND	ND	--	--	--	--	1.7	0.13	0.19	--	--
	4/21/1986	--	ND	ND	--	16	ND	--	--	ND	8200	ND	--	ND	ND	--	--	--	--	0.98	2.6	5.9	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	14000	--	--	--	--	--	--	ND	--	1.1	0.34	0.1	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	10300	--	--	--	--	--	--	ND	--	3.8	3.6	1.56	--	--
	12/16/1986	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.43	--	--	--	--
	6/23/1987	--	ND	ND	--	0.6	ND	--	--	ND	1280	ND	--	ND	3	--	--	ND	--	0.88	ND	1.47	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	--	--	--	--	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1993	ND	ND	49	ND	ND	ND	ND	ND	ND	7	ND	ND	5.8	ND	ND	ND	ND	--	--	5.2	--	--	0.68
	9/9/1993	--	5.3	120	--	ND	ND	--	ND	ND	82	ND	--	ND	ND	--	--	6	--	--	0.047	--	0.18	--
	12/7/1993	--	ND	130	--	ND	ND	--	ND	ND	140	ND	--	ND	ND	--	--	ND	--	1.2	ND	--	ND	--
	2/10/1994	--	ND	120	--	ND	ND	--	ND	ND	140	ND	--	ND	ND	--	--	ND	--	1.1	ND	--	ND	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	13	--	--	--	--	--	0.35	ND	--	1	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.1	0.026	--	0.1	--
	8/29/1994	12	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	2.1	ND	--	--	ND	31	--	--	ND	--	--	--	--	--	2.4	0.005	--	ND	--
	2/15/1995	--	ND	--	--	ND	ND	--	--	ND	0.65	--	--	2	--	--	--	--	--	1.9	0.002	--	0.74	--
	5/15/1995	5.8	ND	48	ND	ND	ND	ND	3.8	ND	2.5	ND	0.78	6.5	ND	ND	0.85	ND	ND	3.3	ND	--	1.4	--
	8/21/1995	--	ND	--	--	1.5	1.2	--	--	ND	0.15	--	--	1.8	--	--	--	--	--	1.6	ND	--	3	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	5	--	--	5.9	--	--	--	--	--	1.9	ND	--	2.7	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	1.6	--	--	4.2	--	--	--	--	--	1.7	ND	--	2	--
	5/15/1996	4.8	ND	28	ND	0.27	1.1	ND	4.3	ND	1.2	ND	0.81	5.2	ND	ND	0.66	ND	ND	1.6	ND	--	--	2.2
	8/12/1996	--	ND	--	--	0.94	0.88	--	--	ND	1.4	--	--	ND	--	--	--	--	--	1.4	0.018	--	--	1
	11/19/1996	--	<1.8	--	--	0.4	1	--	--	<2	11	--	--	<1.8	--	--	--	--	--	1.4	<0.015	--	--	0.24
	2/11/1997	--	<1.8	--	--	0.57	<0.61	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	1.1	<0.015	--	--	2.1
	5/20/1997	--	<1.8	--	--	0.16	<0.61	--	--	<2	0.92	--	--	<1.3	--	--	--	--	--	1.2	<0.015	--	--	0.77
	8/26/1997	4.3	<1.8	29	<0.083	1.2	<0.61	<0.61	5.2	<2	0.53	<0.05	<0.75	4	<1.1	<1.2	<0.5	<12	<0.004	0.96	<0.015	--	--	1.3
	11/20/1997	--	<1.8	--	--	0.26	1.2	--	--	<2	6.9	--	--	4.3	--	--	--	--	--	0.97	<0.015	--	--	1
	2/3/1998	--	<1.8	--	--	0.7	<0.61	--	--	<2	11	--	--	<1.3	--	--	--	--	--	1.1	<0.015	--	--	1.1
	5/11/1998	--	<4.2	--	--	1	0.49	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	1.2	0.0011	--	--	0.68
	8/5/1998	--	<4.2	--	--	0.72	0.68	--	--	1.9	<0.18	--	--	<1.3	--	--	--	--	--	1	<0.001	--	--	0.2
	11/18/1998	9.7	<4.2	--	--	0.6	0.48	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	1	0.03	--	--	0.71
	5/19/1999	<2.9	<4.2	--	--	<0.21	0.73	0.47	--	<1.4	--	--	--	--	--	--	--	--	--	0.99	<0.001	--	--	1.4
	11/11/1999	--	<4.2	--	--	0.36	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.86	0.014	--	--	1.8
	5/23/2000	7.4	<4.2	--	--	0.41	1.7	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	1.4	0.012	--	--	0.57
	11/2/2000	--	<1.7	--	--	0.5	1	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.97	0.005	--	--	3.7
	5/2/2001	2.7	<2.3	--	--	0.32	1.2	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.88	0.0073	--	--	4.4
	11/15/2001	--	<2.3	--	--	0.42	0.65	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.88	0.012	--	--	5.9
	5/15/2002	2.9	3.7	--	--	0.51	1.2	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	0.89	<0.005	--	--	6.8
	11/20/2002	--	<2.6	--	--	0.69	0.83	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.81	<0.005	--	3.9	3.9
	5/20/2003	5.6	1.7	--	--	0.87	0.44	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.81	0.013	--	--	4.8
	11/12/2003	--	1.9	--	--	0.77	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	1	0.006	--	--	3.3
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-4	9/17/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/1992	--	ND	--	--	0.5	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	ND	--	--
	12/9/1992	--	ND	--	--	ND	ND	--	--	ND	42	--	--	ND	--	--	--	--	--	--	ND	0.14	--	--
	3/9/1993	--	ND	--	--	ND	ND	--	--	ND	85	--	--	ND	--	--	--	--	--	--	ND	1.1	--	--
	6/9/1993	ND	ND	32	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	--	ND	ND	ND	--	--	0.32	--	--	0.71
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	3	--	--	--	--	--	--	ND	--	0.13	--
	12/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.64	ND	--	0.08	--
	2/11/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.52	ND	--	1.1	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	6	--	--	3.4	--	--	--	--	--	0.52	ND	--	0.8	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.63	ND	--	0.61	--
	8/29/1994	ND	ND	--	<0.083	--	ND	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	37	--	--	4.2	--	--	--	--	--	0.47	ND	--	0.13	--
	2/15/1995	--	ND	--	--	ND	ND	--	--	ND	32	--	--	ND	--	--	--	--	--	0.33	0.002	--	0.25	--
	5/15/1995	ND	ND	45	ND	ND	ND	ND	ND	ND	3.9	ND	ND	ND	ND	ND	0.88	ND	ND	0.68	ND	--	0.14	--
	8/21/1995	--	ND	--	--	ND	ND	--	--	ND	2.2	--	--	3.6	--	--	--	--	--	0.61	ND	--	0.12	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	4.5	--	--	ND	--	--	--	--	--	0.63	ND	--	0.96	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	5.3	--	--	3.7	--	--	--	--	--	0.63	ND	--	1.3	--
	5/15/1996	ND	ND	45	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	0.77	ND	ND	0.85	ND	--	--	0.41
	8/12/1996	--	ND	--	--	ND	ND	--	--	ND	0.27	--	--	ND	--	--	--	--	--	0.51	ND	--	--	0.19
	11/19/1996	--	<1.8	--	--	<0.16	<0.61	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.45	<0.015	--	--	0.54
	2/11/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	0.86	--	--	<1.8	--	--	--	--	--	0.42	<0.015	--	--	0.12
	5/20/1997	--	<1.8	--	--	0.34	<0.61	--	--	<2	3.7	--	--	<1.3	--	--	--	--	--	0.32	0.018	--	--	0.36
	8/26/1997	<4	<1.8	41	<0.083	<0.16	<0.61	<0.61	<1.7	<2	0.85	<0.05	<0.75	<1.3	<1.1	<1.2	0.93	<12	<0.004	0.8	<0.015	--	--	0.79
	11/20/1997	--	<1.8	--	--	0.18	<0.61	--	--	<2	0.95	--	--	<1.3	--	--	--	--	--	0.54	<0.015	--	--	1.4
	2/3/1998	--	<1.8	--	--	0.24	<0.61	--	--	<2	4.7	--	--	<1.3	--	--	--	--	--	0.68	<0.015	--	--	2.4
	5/11/1998	--	<4.2	--	--	<0.26	0.51	--	--	<1.2	6.7	--	--	<1.3	--	--	--	--	--	0.57	<0.001	--	--	0.88
	8/5/1998	--	<4.2	--	--	<0.26	<0.38	--	--	2.4	2.8	--	--	<1.3	--	--	--	--	--	0.44	<0.001	--	--	3.5
	11/18/1998	<2.9	<4.2	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.83	<0.001	--	--	0.19
	5/20/1999	<2.9	<4.2	--	--	<0.21	<0.42	0.55	--	<1.4	--	--	--	--	--	--	--	--	--	0.78	0.0019	--	--	0.53
	11/10/1999	--	<4.2	--	--	0.28	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.7	<0.001	--	--	1.6
	5/23/2000	<2.9	<4.2	--	--	0.25	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	1.2	<0.001	--	--	0.37
	11/2/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.68	<0.005	--	--	2.4
	5/2/2001	<2.1	<2.3	--	--	<0.23	0.71	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.8	<0.005	--	--	1.6
	11/16/2001	--	<2.3	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.49	<0.005	--	--	0.46
	5/15/2002	<1.9	3.3	--	--	<0.23	1.1	<0.32	--	1.3	--	--	--	--	--	--	--	--	--	0.88	<0.005	--	--	0.52
	11/20/2002	--	<2.6	--	--	<0.23	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.62	<0.005	--	0.42	0.42
	5/20/2003	<1.5	<1.6	--	--	<0.17	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.81	<0.0010	--	--	0.34
	11/12/2003	--	<1.6	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.7	<0.0010	--	--	1.7
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	5	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-5	9/18/1985	--	6.1	--	--	20	ND	--	--	100	260	3.4	--	--	ND	--	--	--	--	0.17	11.1	3	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	180	--	--	--	--	--	--	--	--	0.08	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	ND	--	--	ND	37	ND	--	ND	ND	--	--	--	--	0.71	ND	3.5	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	0.45	0.42	5.2	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	0.38	0.35	5.12	--	--
	7/8/1986	--	--	--	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	0.1	--	--	--	--
	9/18/1986	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	0.45	ND	5.2	--	--
	12/16/1986	--	3.4	ND	--	0.4	1	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	0.26	ND	3.53	--	--
	3/10/1987	--	ND	ND	--	0.4	1.2	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	0.34	ND	0.54	--	--
	6/23/1987	--	ND	ND	--	ND	2.4	--	--	ND	ND	ND	--	ND	3	--	--	ND	--	0.35	ND	1.69	--	--
	12/10/1987	--	--	--	--	ND	ND	--	--	1	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	2.8	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	ND	1.4	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	1.9	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1992	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	ND	ND	0.9	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	2.2	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	2.4	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	3.9	--	--
	6/8/1993	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	0.47	--	--	3.8
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	64	--	ND	ND	--	--	--	--	--	--	0.87	--	1.5	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.16	ND	--	1.3	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.16	ND	--	5.2	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.47	ND	--	4.7	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.38	ND	--	1.4	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	1.6	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.67	0.004	--	5	--
	2/14/1995	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.47	0.003	--	7.2	--
	5/15/1995	ND	ND	11	ND	0.31	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.49	0.061	--	6.1	--
	8/21/1995	--	ND	--	--	ND	1	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.69	ND	--	1.5	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.68	ND	--	1.2	--
	2/13/1996	--	ND	--	--	ND	0.68	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.58	ND	--	2.9	--
	5/15/1996	ND	ND	11	0.12	0.19	0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.81	ND	ND	0.5	ND	--	--	3.9
	8/12/1996	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.88	0.02	--	--	5.1
	11/19/1996	--	<1.8	--	--	<0.16	1.2	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.66	0.015	--	--	8
	2/10/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.5	<0.015	--	--	3.7
	5/20/1997	--	<1.8	--	--	0.22	0.69	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.47	<0.015	--	--	4.2
	8/26/1997	<4	<1.8	9.3	<0.083	<0.16	0.66	<0.61	<1.7	<2	<0.11	<0.05	<0.75	<1.3	<1.1	<1.2	1.6	<12	<0.004	0.95	<0.015	--	--	3.7
	11/20/1997	--	<1.8	--	--	0.29	1.1	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	1	<0.015	--	--	2.4
	2/3/1998	--	<1.8	--	--	0.24	<0.61	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.97	<0.015	--	--	2.5
	5/11/1998	--	<4.2	--	--	<0.26	<0.38	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.99	<0.001	--	--	4
	8/5/1998	--	<4.2	--	--	<0.26	0.48	--	--	<1.2	1.8	--	--	<1.3	--	--	--	--	--	0.84	0.0012	--	--	2
	11/18/1998	<2.9	<4.2	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.72	<0.001	--	--	2.3
	5/19/1999	<2.9	<4.2	--	--	<0.21	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.66	0.0032	--	--	1.6
	11/10/1999	--	<4.2	--	--	<0.21	0.56	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.8	0.0015	--	--	6.8
	5/23/2000	<2.9	<4.2	--	--	<0.21	0.6	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	1	0.0024	--	--	3.2
	11/1/2000	--	<1.7	--	--	<0.21	ND	--	--	<1.4	--	--	--	--	--	--	--	--	--	1	0.0052	--	--	0.09
	5/2/2001	<2.1	<2.3	--	--	<0.23	0.82	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.67	0.0056	--	--	2.6
	11/15/2001	--	<2.3	--	--	0.24	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	1.1	0.011	--	--	0.3
	5/15/2002	<1.9	<2.3	--	--	<0.23	0.76	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	0.74	0.0066	--	--	--
	11/19/2002	--	<2.6	--	--	0.35	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.67	0.012	--	3.1	3.1
	5/20/2003	<1.5	<1.6	--	--	<0.17	<0.43	0.59	--	<0.94	--	--	--	--	--	--	--	--	--	1.2	<0.0010	--	--	1.3
	11/12/2003	--	<1.6	--	--	0.25	0.44	--	--	0.95	--	--	--	--	--	--	--	--	--	0.6	0.01	--	--	3
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-6R	9/18/1985	--	28	3	--	20	ND	--	--	90	50	0.4	--	ND	ND	--	--	--	--	0.33	2.05	0.51	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	110	--	--	--	--	--	--	--	--	0.17	--	--	--	--
	1/15/1986	--	ND	ND	--	ND	ND	--	--	ND	110	ND	--	ND	ND	--	--	--	--	0.5	0.27	0.31	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	100	ND	--	ND	ND	--	--	ND	--	1.2	6.7	0.57	--	--
	7/8/1986	--	ND	ND	--	0.2	0.4	--	--	3	40	ND	--	ND	ND	--	--	ND	--	0.1	0.5	0.46	--	4.8
	9/22/1986	--	--	--	--	--	--	--	--	--	80	--	--	--	--	--	--	ND	--	0.55	1.69	0.28	--	--
	12/16/1986	--	ND	ND	--	ND	ND	--	--	15	60	ND	--	ND	ND	--	--	ND	--	0.3	0.88	0.22	--	--
	3/10/1987	--	ND	ND	--	ND	ND	--	--	ND	40	ND	--	ND	ND	--	--	ND	--	0.34	0.96	0.05	--	--
	6/23/1987	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	5	--	--	ND	--	0.22	0.42	ND	--	--
	9/14/1987	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	0.24	0.81	ND	--	--
	12/10/1987	--	--	--	--	0.6	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	--	0.63	--	--	--
	3/8/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	0.3	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	0.2	1.4	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1993	--	ND	ND	--	ND	ND	--	ND	ND	53	ND	--	ND	--	--	--	ND	--	--	0.55	--	--	0.17
B-7	9/18/1985	--	94	346	--	20	ND	--	--	140	420	0.8	--	ND	ND	--	--	--	--	0.68	7.6	0.27	--	--
	1/9/1986	--	--	--	--	--	--	--	--	--	360	--	--	--	--	--	--	--	--	0.46	--	--	--	--
	1/15/1986	--	ND	250	--	ND	ND	--	--	ND	33	ND	--	ND	ND	--	--	--	--	0.43	ND	2.7	--	--
	4/21/1986	--	ND	ND	--	ND	ND	--	--	ND	ND	ND	--	ND	ND	--	--	25	--	2.9	5.7	4.7	--	--
	7/8/1986	--	ND	ND	--	0.9	ND	--	--	ND	ND	ND	--	ND	ND	--	--	ND	--	0.82	0.1	2.9	--	3.3
	7/8/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	0.5	--	--	--	--
	9/22/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	1.11	ND	2.73	--	--
	12/16/1986	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	ND	--	0.84	ND	2.78	--	--
	3/10/1987	--	--	--	--	ND	ND	--	--	ND	ND	ND	--	ND	--	--	--	ND	--	0.72	ND	1.32	--	--
	6/23/1987	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	1.95	--	--
	9/14/1987	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	1.45	--	--
	12/10/1987	--	--	--	--	0.4	ND	--	--	ND	--	--	--	--	--	--	--	ND	--	--	ND	--	--	--
	3/8/1988	--	--	--	--	ND	3	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/6/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/22/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1988	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	7/12/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/12/1989	--	--	--	--	ND	1.1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/13/1989	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/14/1990	--	--	--	--	ND	1.1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/11/1990	--	--	--	--	ND	3.9	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/1991	--	--	--	--	ND	1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/1991	--	--	--	--	ND	2.1	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-11	9/17/1991	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	--	--	--	--	--	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1992	--	--	--	--	0.5	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND		ND	ND	0.5	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	**0.31**	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	**0.57**	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	**0.26**	--	--
	6/8/1993	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND		--	**0.97**	--	--	0.71
	9/8/1993	--	ND	--	--	ND	2	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	--	1.5	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.12	ND	--	**2.3**	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.15	ND	--	1.9	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.13	ND	--	1.7	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13	ND	--	0.96	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	2.6	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.12	0.012	--	0.89	--
	2/14/1995	--	ND	--	--	ND	2.3	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.11	0.001	--	0.35	--
	5/15/1995	ND	ND	16	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	0.11	ND	--	1.2	--
	8/21/1995	--	ND	--	--	ND	0.63			ND	0.37	--	--	ND	--	--	--	--		0.12	ND	--	1.4	--
	11/14/1995	--	ND	--	--	ND	1.8	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.11	ND	--	0.74	--
	2/13/1996	--	ND	--	--	ND	1.5	--	--	ND	ND	--	--	1.6	--	--	--	--	--	0.11	ND	--	0.39	--
	5/15/1996	ND	ND	13	0.1	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	0.11	ND	--	--	0.89
	8/12/1996	--	ND	--	--	ND	1.8	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.11	ND	--	--	1.4
	11/19/1996	--	<1.8	--	--	0.21	2.1	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.11	<0.015	--	--	1.3
	2/10/1997	--	<1.8	--	--	<0.16	2	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.11	<0.015	--	--	0.95
	5/20/1997	--	<1.8	--	--	<0.16	2	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.1	<0.015	--	--	0.83
	8/26/1997	<4	<1.8	15	<0.083	<0.16	2.1	<0.61	<1.7	<2	<0.11	<0.05	<0.75	<1.3	<1.1	<1.2	2.4	ND	<0.004	0.1	<0.015	--	--	0.83
	11/20/1997	--	<1.8	--	--	<0.16	2.4	--	--	2.2	<0.11	--	--	<1.3	--	--	--	--	--	0.12	<0.015	--	--	0.8
	2/3/1998	--	<1.8	--	--	0.3	2.1	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.12	<0.015	--	--	0.7
	5/11/1998	--	<4.2	--	--	0.28	2	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.11	<0.001	--	--	0.9
	8/5/1998	--	<4.2	--	--	<0.26	2.3	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.12	<0.001	--	--	0.77
	11/18/1998	<2.9	<4.2	--	--	<0.26	1.9	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.013	<0.001	--	--	0.99
	5/19/1999	<2.9	<4.2	--	--	<0.21	0.91	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.074	<0.001	--	--	1.9
	11/10/1999	--	<4.2	--	--	<0.21	1.4	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.11	0.0012	--	--	**3.2**
	5/23/2000	<2.9	<4.2	--	--	<0.21	1	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.09	<0.001	--	--	**2.7**
	11/1/2000	--	<1.7	--	--	<0.21	1.3	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.098	<0.005	--	--	**2.3**
	5/2/2001	<2.1	<2.3	--	--	0.25	1.6	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.13	<0.005	--	--	0.48
	11/15/2001	--	3	--	--	<0.23	1.1	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.14	<0.005	--	--	0.92
	5/15/2002	<2.1	3.6	--	--	<0.23	0.9	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.13	<0.005	--	--	0.41
	11/19/2002	--	<2.6	--	--	<0.23	1.2	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.11	<0.005	--	0.4	0.4
	5/20/2003	<1.5	<1.6	--	--	<0.17	0.71	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.11	<0.010	--	--	0.43
	11/12/2003	--	<1.6	--	--	<0.17	0.81	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.15	<0.005	--	--	0.28
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-11A	9/17/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/9/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1992	--	--	--	--	0.7	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	--	--	24	ND	0.9	ND	--	ND	ND	ND	ND	27	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	ND	ND	--	--	0.5	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	1.4	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	1.4	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	1.1	--	--
	6/8/1993	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	ND	--	--	1
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	ND	--	1.5	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.15	ND	--	1.8	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.17	ND	--	2	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.15	ND	--	2.6	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	2.6	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	1.7	--	--	ND	ND	--	ND	ND	--	--	0.14	--	--	--	--
	11/8/1994	--	ND	--	--	0.27	2.2	--	--	ND	ND	--	--	3.8	--	--	--	--	--	0.16	0.003	--	1.5	--
	2/14/1995	--	ND	--	--	ND	1.3	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.015	0.002	--	1.5	--
	5/15/1995	ND	ND	16	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	0.16	ND	--	2	--
	8/21/1995	--	ND	--	--	0.21	1.9	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.12	ND	--	0.41	--
	11/14/1995	--	ND	--	--	0.19	0.88	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.13	ND	--	2.5	--
	2/13/1996	--	ND	--	--	ND	1.2	--	--	ND	ND	--	--	1.6	--	--	--	--	--	0.14	ND	--	1.9	--
	5/15/1996	ND	ND	22	0.092	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND	0.13	ND	--	--	2.4
	8/12/1996	--	ND	--	--	ND	1.6	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.13	ND	--	--	2.3
	11/19/1996	--	<1.8	--	--	<0.16	1.6	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.14	<0.015	--	--	2.2
	2/10/1997	--	<1.8	--	--	<0.16	0.81	--	--	<2	<0.11	--	--	<1.8	--	--	--	--	--	0.12	<0.015	--	--	2.4
	5/20/1997	--	<1.8	--	--	0.21	1.7	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.13	<0.015	--	--	2
	8/26/1997	<4	<1.8	25	<0.083	<0.16	1.1	<0.61	<1.7	<2	<0.11	<0.05	<0.75	<1.3	<1.1	<1.2	1.7	ND	<0.004	0.11	<0.015	--	--	2.5
	11/20/1997	--	<1.8	--	--	<0.16	1.8	--	--	<2	<0.11	--	--	<1.3	--	--	--	--	--	0.13	<0.015	--	--	2.8
	2/3/1998	--	<1.8	--	--	0.18	1.6	--	--	<2	1.3	--	--	<1.3	--	--	--	--	--	0.14	<0.015	--	--	2.5
	5/11/1998	--	<4.2	--	--	<0.26	1.4	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.13	<0.001	--	--	2.7
	8/5/1998	--	<4.2	--	--	<0.26	1.5	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.14	<0.001	--	--	1.2
	11/18/1998	<2.9	<4.2	--	--	<0.26	1.3	--	--	<1.2	--	--	--	--	--	--	--	--	--	0.16	<0.001	--	--	1.4
	5/19/1999	<2.9	<4.2	--	--	<0.21	0.96	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.14	<0.001	--	--	2.1
	11/10/1999	--	5.1	--	--	<0.21	1.9	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.14	<0.001	--	--	1.1
	5/23/2000	<2.9	<4.2	--	--	<0.21	1.4	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.15	0.0019	--	--	1.8
	11/1/2000	--	<1.7	--	--	<0.21	1.3	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.16	<0.005	--	--	2
	5/2/2001	<2.1	<2.3	--	--	0.3	1.6	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.13	<0.005	--	--	1.7
	11/15/2001	--	<2.3	--	--	<0.23	1.4	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.15	<0.005	--	--	2
	5/15/2002	<2.1	4.6	--	--	<0.23	1.9	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.15	<0.005	--	--	1.7
	11/19/2002	--	<2.6	--	--	<0.23	1.8	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.14	0.0094	--	1.9	1.9
	5/20/2003	<1.5	<1.6	--	--	<0.17	0.56	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.16	<0.010	--	--	1.4
	11/12/2003	--	<1.6	--	--	<0.17	1.9	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.17	<0.005	--	--	1.3

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-12	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1992	ND	ND	33	ND	ND	ND	--	ND	ND	880	ND	ND	4	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	0.55	--	--
	12/9/1992	--	ND	--	--	ND	ND	--	--	ND	730	--	--	5.7	--	--	--	--	--	--	0.016	1.1	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	670	--	--	3.9	--	--	ND	--	--	--	ND	0.4	--	--
	6/9/1993	ND	ND	16	ND	ND	ND	ND	ND	ND	870	ND	ND	9	--	ND	--	ND	--	--	2.6	--	--	1
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	440	--	--	12	--	--	--	--	--	--	ND	--	3.4	--
	12/8/1993	--	ND	--	--	ND	ND	--	--	ND	1600	--	--	7.9	--	--	--	--	--	0.14	0.061	--	0.74	--
	2/11/1994	--	ND	--	--	ND	ND	--	--	ND	1600	--	--	7.9	--	--	--	--	--	0.79	0.24	--	0.1	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	690	--	--	7.1	--	--	--	--	--	1.1	0.3	--	0.24	--
	8/16/1994	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.027	--	1.3	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	6	--	ND	ND	--	--	1.7	--	--	--	--
	11/8/1994	--	ND	--	--	0.74	ND	--	--	ND	280	--	--	4.6	--	--	--	--	--	2	0.021	--	0.84	--
	2/15/1995	--	ND	--	--	ND	ND	--	--	ND	530	--	--	ND	--	--	--	--	--	2.2	0.064	--	0.08	--
	5/15/1995	ND	ND	21	ND	ND	ND	ND	2.7	ND	1500	ND	1.1	3.4	ND	ND	ND	ND	0.002	2.6	0.37	--	1	--
	8/21/1995	--	ND	--	--	ND	0.65	--	--	ND	700	--	--	3.8	--	--	--	--	--	1.5	0.033	--	0.05	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	430	--	--	4.6	--	--	--	--	--	1.8	ND	--	1.4	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	670	--	--	ND	--	--	--	--	--	1.8	0.059	--	0.04	--
	5/15/1996	ND	ND	14	ND	ND	ND	ND	1.9	ND	680	ND	1.4	7.9	ND	ND	ND	ND	0.008	1	ND	--	--	3.2
	8/12/1996	--	ND	--	--	ND	ND	--	--	ND	100	--	--	3.3	--	--	--	--	--	1.6	ND	--	--	0.94
	11/19/1996	--	<1.8	--	--	<0.16	0.64	--	--	<2	79	--	--	<1.8	--	--	--	--	--	1.6	<0.015	--	--	0.033
	2/11/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	300	--	--	<1.8	--	--	--	--	--	1.5	<0.015	--	--	4.8
	5/20/1997	--	<1.8	--	--	<0.16	0.79	--	--	<2	160	--	--	<1.3	--	--	--	--	--	1.2	<0.015	--	--	4.4
	8/5/1998	--	4.4	--	--	<0.26	<0.38	--	--	<1.2	40	--	--	<1.3	--	--	--	--	--	1.1	0.0037	--	--	<0.031
	11/18/1998	3.2	<4.2	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	1.3	<0.001	--	--	0.05
	5/20/1999	<2.9	<4.2	--	--	<0.21	1.3	0.79	--	<1.4	--	--	--	--	--	--	--	--	--	0.51	0.0056	--	--	1.9
B-12R	11/11/1999	--	<4.2	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.71	<0.001	--	--	<0.03
	5/23/2000	<2.9	<4.2	--	--	<0.21	0.6	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.8	0.0021	--	--	1.2
	11/2/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.93	0.011	--	--	1.2
	5/2/2001	<2.1	<2.3	--	--	<0.23	0.97	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.8	<0.005	--	--	3.4
	11/16/2001	--	<2.3	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	1.1	<0.005	--	--	0.85
	5/15/2002	4.2	2.8	--	--	<0.23	<0.57	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	0.95	<0.005	--	--	7.7
	11/20/2002	--	<2.6	--	--	<0.23	0.84	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.84	0.0063	--	2.3	2.3
	5/20/2003	<1.5	<1.6	--	--	<0.17	<0.43	0.94	--	<0.94	--	--	--	--	--	--	--	--	--	1	<0.010	--	--	3.9
	11/12/2003	--	<1.6	--	--	<0.17	0.72	--	--	<0.94	--	--	--	--	--	--	--	--	--	1.1	<0.005	--	--	3.8
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-12A	3/10/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/9/1992	--	--	21	ND	0.6	ND	--	ND	ND	1100	ND	17	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	ND	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	1.9	0.28	--	--
	12/8/1992	--	ND	--	--	ND	ND	--	--	ND	1000	--	--	ND	--	--	--	--	--	--	0.64	0.93	--	--
	3/9/1993	--	ND	--	--	ND	ND	--	--	ND	1600	--	--	ND	--	--	--	--	--	--	2.3	0.1	--	--
	6/9/1993	ND	ND	16	ND	ND	ND	ND	ND	ND	77	ND	ND	ND	--	ND	ND	ND		--	0.92	--	--	0.85
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	1000	--	--	11	--	--	--	--	--	--	ND	--	1.1	--
	12/8/1993	--	ND	--	--	ND	ND	--	--	ND	1200	--	--	3.8	--	--	--	--	--	1.1	ND	--	0.67	--
	2/11/1994	--	ND	--	--	ND	ND	--	--	ND	480	--	--	ND	--	--	--	--	--	1.3	ND	--	0.3	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	350	--	--	ND	--	--	--	--	--	1	ND	--	0.68	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.017	--	0.74	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	8	--	ND	ND	--	--	1.3	--	--	--	--
	11/8/1994	--	ND	--	--	ND	1.7	--	--	ND	ND	--	--	9.9	--	--	--	--	--	1.7	0.005	--	1.7	--
	2/15/1995	--	ND	--	--	ND	ND	--	--	ND	3.3	--	--	ND	--	--	--	--	--	2.8	0.004	--	ND	--
	5/15/1995	ND	ND	16	ND	ND	ND	ND	ND	ND	6.9	ND	ND	ND	ND	ND	ND	ND	0.003	1.3	ND	--	2.3	--
	8/21/1995	--	ND	--	--	ND	0.83	--	--	ND	0.85	--	--	5.3	--	--	--	--	--	1.8	ND	--	0.85	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	1.9	--	--	4.9	--	--	--	--	--	1.3	ND	--	1.3	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	1.9	--	--	ND	--	--	--	--	--	1.4	ND	--	1.4	--
	5/15/1996	ND	ND	16	ND	ND	ND	0.71	3.2	ND	6.3	ND	0.98	2.7	ND	ND	1.4	ND	ND	0.93	ND	--	--	1.4
	8/12/1996	--	ND	--	--	0.17	ND	--	--	ND	0.71	--	--	2.4	--	--	--	--	--	1.5	0.018	--	--	1.1
	11/19/1996	--	<1.8	--	--	<0.16	<0.61	--	--	<2	0.96	--	--	<1.8	--	--	--	--	--	0.71	<0.015	--	--	<0.023
	2/11/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	2	--	--	<1.8	--	--	--	--	--	1.5	<0.015	--	--	4.2
	5/20/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	0.83	--	--	<1.3	--	--	--	--	--	1	<0.015	--	--	1.9
	8/5/1998	--	<4.2	--	--	<0.26	0.46	--	--	<1.2	2.4	--	--	<1.3	--	--	--	--	--	0.75	0.001	--	--	3.1
	11/18/1998	<2.9	<4.2	--	--	<0.26	0.4	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.66	0.0017	--	--	0.99
	5/20/1999	<2.9	4.9	--	--	<0.21	<0.42	0.5	--	<1.4	--	--	--	--	--	--	--	--	--	0.71	<0.001	--	--	1.1
B-12AR	11/11/1999	--	<4.2	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.62	<0.001	--	--	0.99
	5/23/2000	<2.9	<4.2	--	--	<0.21	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.63	0.0023	--	--	0.96
	11/2/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.66	<0.005	--	--	0.95
	5/2/2001	<2.1	<2.3	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.57	<0.005	--	--	0.67
	11/16/2001	--	<2.3	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.63	<0.005	--	--	0.63
	5/15/2002	<1.9	3	--	--	<0.23	0.58	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	0.64	<0.005	--	--	0.45
	11/20/2002	--	<2.6	--	--	0.29	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.54	0.0052	--	0.57	0.57
	5/20/2003	<1.5	<1.6	--	--	<0.17	<0.43	0.94	--	<0.94	--	--	--	--	--	--	--	--	--	0.64	<0.010	--	--	0.63
	11/12/2003	--	<1.6	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.69	<0.005	--	--	0.57
B-21R	11/19/1996	--	--	--	--	--	--	--	--	<2	--	--	--		--				--		1.2	--	--	0.031
	2/10/1997	--	3.3	--	--	0.64	1.6	--	--	<2	37	--	--	<1.8	--				--	0.037	1.4	--	--	--
	5/20/1997	--	<1.8	--	--	0.31	0.82	--	--	<2	32	--	--	<1.3	--				--	0.038	1.1	--	--	0.1
	8/26/1997	<4	<1.8	5.6	0.12	0.27	0.77	<0.61	<1.7	<2	26	<0.05	0.95	<1.3	<1.1	<1.2	7.1	<12	<0.004	0.051	0.84	--	--	0.082
	11/20/1997	--	2.5	--	--	<0.16	1.8	--	--	<2	50	--	--	<1.3	--				--	0.053	1.7	--	--	0.13
	2/3/1998	--	<1.8	--	--	<0.16	1.2	--	--	<2	39	--	--	<1.3	--				--	0.053	1.3	--	--	0.1
	5/11/1998	--	<4.2	--	--	<0.26	1.2	--	--	2	44	--	--	<1.3	--				--	0.054	1.5	--	--	0.098
	8/5/1998	--	<4.2	--	--	0.28	0.48	--	--	<1.2	24	--	--	<1.3	--				--	0.043	0.74	--	--	0.063
MW-21RR	11/10/1999		<4.2	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--				--	0.064	0.053	--	--	--
	5/23/2000	<2.9	<4.2	--	--	0.28	0.52	<0.45	--	<1.4	--	--	--	--	--				--	0.048	0.09	--	--	--
	11/1/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--				--	0.095	0.017	--	--	--
	5/2/2001	<2.1	<2.3	--	--	<0.23	0.72	<0.35	--	<0.92	--	--	--	--	--				--	0.066	0.025	--	--	--
	11/15/2001	--	<2.3	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--				--	0.051	0.027	--	--	--
	5/15/2002	<2.1	<2.3	--	--	<0.23	1	<0.32	--	<0.92	--	--	--	--	--				--	0.066	0.17	--	--	--
	11/19/2002	--	<2.6	--	--	<0.23	0.72	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.069	0.012	--	2.3	--
	5/20/2003	<1.5	<1.6	--	--	<0.17	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.069	0.012	--	--	2.4
	11/12/2003	--	<1.6	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.072	0.027	--	--	2.2
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-21A	6/7/1993	ND	ND	35	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	--	--	2.4	--		
	9/9/1993	--	ND	150	--	ND	ND	--	ND	ND	ND	ND	--	ND	ND			ND	--	--	0.5	--	0.05	--
	12/6/1993	--	2.2	34	--	ND	ND	--	ND	ND	180	ND	--	ND	ND			4	--	0.59	0.78	--	ND	--
	2/9/1994	--	ND	32	--	ND	ND	--	ND	ND	160	ND	--	ND	ND			ND	--	0.59	0.82	--	0.12	--
	5/9/1994	--	2.8	--	--	0.3	ND	--	--	ND	180	--	--	ND	--				--	0.5	1.3	--	ND	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--				--	0.5	1	--	ND	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	1.7	--	--	ND	ND	--	ND	ND		--	--	--	--	--	--
	11/8/1994	--	3.6	--	--	ND	0.88	--	--	ND	120	--	--	ND	--				--	0.53	1.1	--	--	--
	11/18/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--				--	--	--	--	ND	--
	2/14/1995	--	ND	--	--	ND	ND	--	--	ND	130	--	--	ND	--				--	0.42	1.6	--	ND	--
	5/15/1995	ND	3.1	31	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND	ND	0.051	1.6	--	ND	--
	8/21/1995	--	2	--	--	ND	0.86	--	--	ND	140	--	--	ND	--				--	0.4	2.4	--	ND	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	140	--	--	ND	--				--	0.4	2.9	--	ND	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	130	--	--	ND	--				--	0.41	2.5	--	ND	--
	5/15/1996	ND	ND	32	0.11	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	0.78	ND	ND	0.42	2.3	--	--	--
	8/12/1996	--	ND	--	--	ND	ND	--	--	ND	140	--	--	ND	--				--	0.4	2.9	--	--	--
	11/19/1996	--	2.1	--	--	<0.16	<0.61	--	--	<2	120	--	--	<1.8	--				--	0.46	2.3	--	--	<0.023
	2/10/1997	--	6.7	--	--	<0.16	<0.61	--	--	<2	130	--	--	<1.8	--				--	0.4	2.4	--	--	0.037
	5/20/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2	140	--	--	<1.3	--				--	0.35	2.9	--	--	0.069
	8/26/1997	<4	<1.8	35	0.11	<0.16	<0.61	<0.61	<1.7	<2	130	<0.05	5.4	<1.3	<1.1	<1.2	0.87	<12	<0.004	0.39	2.7	--	--	<0.031
	11/20/1997	--	<1.8	--	--	0.21	0.69	--	--	<2	130	--	--	<1.3	--				--	0.41	2.9	--	--	0.032
	2/3/1998	--	4.3	--	--	0.27	<0.61	--	--	<2	110	--	--	<1.3	--				--	0.46	2	--	--	0.085
	5/11/1998	--	<4.2	--	--	<0.26	<0.38	--	--	1.4	130	--	--	<1.3	--				--	0.43	2.7	--	--	0.073
	8/5/1998	--	<4.2	--	--	<0.26	<0.38	--	--	<1.2	130	--	--	<1.3	--				--	0.39	2.8	--	--	0.061
MW-21AR	11/10/1999	<2.9	4.3	--	--	<0.21	<0.42	--	--	<1.4	--	--	--	--	--				--	0.86	0.041	--	--	--
	5/23/2000	--	<4.2	--	--	0.3	<0.42	<0.45	--	<1.4	--	--	--	--	--				--	0.67	0.12	--	--	--
	11/1/2000	--	2.3	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--				--	0.58	0.081	--	--	--
	5/2/2001	<2.1	2.3	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--				--	0.43	0.44	--	--	--
	11/15/2001	--	4.9	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--				--	0.38	0.42	--	--	--
	5/15/2002	<2.1	4.6	--	--	<0.23	<0.57	<0.35	--	<0.92	--	--	--	--	--				--	0.42	0.92	--	--	--
	11/19/2002	--	<2.6	--	--	<0.23	0.72	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.35	0.012	--	<0.075	--
	5/20/2003	<1.5	3	--	--	0.24	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.43	0.94	--	--	0.075
	11/12/2003	--	<1.6	--	--	<0.17	0.71	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.43	1.3	--	--	0.075
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-22	12/11/1991	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/9/1992	--	--	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	3.5	--	3	ND	0.5	ND	--	ND	ND	37	ND	40	ND	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.018	ND	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	65	--	--	ND	--	--	--	--	--	--	5.8	ND	--	--
	12/7/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28	--	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	10	--	--	ND	--	--	--	--	--	--	ND	0.07	--	--
	6/7/1993	ND	ND	22	ND	ND	ND	ND	ND	ND	97	ND	ND	ND	--	ND	ND	ND	--	--	0.22	--	--	0.07
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	140	--	--	ND	--	--	--	--	--	--	2.1	--	0.16	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	99	--	--	ND	--	--	--	--	--	0.14	0.49	--	0.07	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	28	--	--	ND	--	--	--	--	--	0.14	0.32	--	0.07	--
	5/9/1994	--	ND	--	--	ND	ND	--	--	ND	50	--	--	ND	--	--	--	--	--	0.12	0.43	--	0.07	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	0.1	--	0.06	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	2.2	--	--	ND	ND	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	ND	27	--	--	3.1	--	--	--	--	--	0.11	0.19	--	ND	--
	2/14/1995	--	ND	--	--	ND	1.2	--	--	ND	9.5	--	--	ND	--	--	--	--	--	0.09	0.005	--	ND	--
	5/15/1995	ND	ND	28	ND	ND	0.73	7.8	ND	ND	44	ND	2.9	ND	ND	ND	2.4	ND	ND	0.11	0.021	--	ND	--
	8/21/1995	--	ND	--	--	ND	1.2	--	--	ND	5.4	--	--	ND	--	--	--	--	--	0.084	ND	--	ND	--
	11/14/1995	--	ND	--	--	ND	0.87	--	--	ND	23	--	--	ND	--	--	--	--	--	0.096	0.22	--	0.04	--
	2/13/1996	--	ND	--	--	ND	1.3	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.09	ND	--	ND	--
	5/15/1996	5.8	ND	29	ND	0.23	0.95	8.2	ND	ND	25	ND	7.7	ND	ND	ND	2.4	ND	ND	0.084	ND	--	--	0.03
	8/12/1996	--	ND	--	--	0.25	1.2	--	--	ND	ND	--	--	ND	--	--	--	--	--	0.09	ND	--	--	0.42
	11/19/1996	--	<1.8	--	--	0.24	1.4	--	--	<2.0	11	--	--	<1.8	--	--	--	--	--	0.093	<0.015	--	--	0.11
	2/10/1997	--	4.9	--	--	0.22	0.85	--	--	<2.0	7.5	--	--	<1.8	--	--	--	--	--	0.078	<0.015	--	--	0.091
	5/20/1997	--	2.7	--	--	<0.16	0.64	--	--	<2.0	4.6	--	--	<1.3	--	--	--	--	--	0.08	<0.015	--	--	0.18
	8/26/1997	<4	<1.8	31	<0.083	<0.16	0.8	20	<1.7	<2.0	3	<0.05	4.3	<1.3	1.1	<1.2	2.9	<12	<0.004	0.083	<0.015	--	--	0.17
	11/20/1997	--	<1.8	--	--	0.32	1.6	--	--	<2.0	<0.11	--	--	<1.3	--	--	--	--	--	0.078	<0.015	--	--	0.27
	2/3/1998	--	<1.8	--	--	<0.16	0.76	--	--	<2.0	<0.11	--	--	<1.3	--	--	--	--	--	0.092	<0.015	--	--	0.22
	5/11/1998	--	<4.2	--	--	<0.26	0.69	--	--	<1.2	<0.18	--	--	<1.3	--	--	--	--	--	0.083	<0.001	--	--	0.31
	8/5/1998	--	<4.2	--	--	0.52	0.95	--	--	1.8	<0.18	--	--	<1.3	--	--	--	--	--	0.075	0.0029	--	--	0.33
	11/18/1998	<2.9	<4.2	--	--	0.31	1.1	28	--	<1.2	--	--	--	--	--	--	--	--	--	0.14	0.0039	--	--	0.43
	5/19/1999	<2.9	8.7	--	--	<0.21	0.99	17	--	<1.4	--	--	--	--	--	--	--	--	--	0.082	0.012	--	--	0.57
	11/10/1999	--	<4.2	--	--	<0.21	1.1	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.078	<0.001	--	--	1.3
	5/23/2000	<2.9	<4.2	--	--	<0.21	1	32	--	<1.4	--	--	--	--	--	--	--	--	--	0.083	0.0037	--	--	0.89
	11/1/2000	--	<1.7	--	--	<0.21	1.2	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.091	<0.005	--	--	0.66
	5/2/2001	<2.1	<2.3	--	--	<0.23	1.4	44	--	<0.92	--	--	--	--	--	--	--	--	--	0.077	<0.005	--	--	0.63
	11/15/2001	--	<2.3	--	--	<0.23	1.2	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.08	<0.005	--	--	0.19
	5/15/2002	<2.1	7	--	--	<0.23	1.2	25	--	<0.92	--	--	--	--	--	--	--	--	--	0.092	<0.005	--	--	0.16
	11/19/2002	--	<2.6	--	--	<0.23	1.1	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.082	<0.005	--	0.17	0.17
	5/20/2003	<1.5	<1.6	--	--	<0.17	1.4	25	--	<0.94	--	--	--	--	--	--	--	--	--	0.091	<0.010	--	--	0.14
	11/12/2003	--	<1.6	--	--	<0.17	0.9	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.11	<0.010	--	--	0.06
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS. (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-23	12/10/1991	--	--	--	--	0.6	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/10/1992	--	--	--	--	0.5	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/1992	ND	ND	85	ND	0.6	ND	--	ND	ND	5600	ND	ND	4.7	ND	--	--	ND	ND	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.039	9	--	--
	12/8/1992	--	ND	--	--	ND	ND	--	--	ND	3800	--	--	5.4	--	--	--	--	--	--	0.028	3.8	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	2700	--	--	4.3	--	--	--	--	--	--	0.043	8.9	--	--
	6/8/1993	ND	ND	75	ND	1.7	ND	ND	ND	ND	1800	ND	ND	5.5	--	ND	ND	22	--	--	0.075	--	--	9.5
	9/8/1993	--	ND	--	--	ND	ND	--	--	ND	260	--	--	8.1	--	--	--	--	--	--	0.021	--	4.9	--
	12/7/1993	--	ND	--	--	ND	ND	--	--	ND	43	--	--	5.8	--	--	--	--	--	--	1.2	ND	5	--
	2/9/1994	--	ND	--	--	ND	ND	--	--	ND	68	--	--	2.4	--	--	--	--	--	--	0.75	ND	3.6	--
	5/9/1994	--	ND	--	--	0.66	ND	--	--	ND	20	--	--	6.4	--	--	--	--	--	--	0.6	ND	7.7	--
	8/16/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.94	ND	2.6	--
	8/29/1994	8	ND	--	ND	--	--	ND	--	ND	--	--	ND	9	--	ND	ND	--	--	--	--	--	--	--
	11/8/1994	--	ND	--	--	30	1.4	--	--	1.7	130	--	--	15	--	--	--	--	--	--	0.91	0.015	10	--
	2/14/1995	--	ND	--	--	1.2	ND	--	--	ND	120	--	--	5.6	--	--	--	--	--	--	0.96	0.01	1.8	--
	5/15/1995	ND	ND	17	ND	1.2	ND	ND	ND	ND	140	ND	1.1	3.9	ND	ND	ND	35	0.002	1.3	ND	--	0.44	--
	8/21/1995	--	ND	--	--	13	ND	--	--	3.4	270	--	--	2.2	--	--	--	--	--	0.8	ND	--	1.1	--
	11/14/1995	--	ND	--	--	2.1	ND	--	--	ND	95	--	--	5.9	--	--	--	--	--	0.73	ND	--	4.8	--
	2/13/1996	--	ND	--	--	0.57	ND	--	--	ND	13	--	--	4.2	--	--	--	--	--	0.86	ND	--	0.62	--
	5/15/1996	ND	ND	33	0.11	0.86	ND	ND	ND	ND	14	ND	ND	1.9	ND	ND	0.68	28	ND	0.64	ND	--	--	2.4
	8/12/1996	--	ND	--	--	7.1	ND	--	--	ND	29	--	--	ND	--	--	--	--	--	0.66	0.03	--	--	2.8
	11/19/1996	--	<1.8	--	--	4.4	<0.61	--	--	<2.0	6.4	--	--	6.9	--	--	--	--	--	0.89	<0.015	--	--	2.8
	2/11/1997	--	<1.8	--	--	2	<0.61	--	--	<2.0	2.2	--	--	4.9	--	--	--	--	--	0.77	<0.015	--	--	1.7
	5/20/1997	--	<1.8	--	--	0.91	<0.61	--	--	<2.0	10	--	--	1.8	--	--	--	--	--	0.74	<0.015	--	--	2
	8/26/1997	<4	<1.8	59	<0.083	3.1	<0.61	<0.61	<1.7	<2.0	9.9	<0.05	0.84	3.7	<1.1	<1.2	<0.5	84	0.004	0.62	<0.015	--	--	2
	11/20/1997	--	<1.8	--	--	1.4	0.62	--	--	<2.0	25	--	--	5.4	--	--	--	--	--	0.7	<0.015	--	--	2.7
	2/3/1998	--	<1.8	--	--	1.6	<0.61	--	--	<2.0	43	--	--	3.2	--	--	--	--	--	0.82	<0.015	--	--	0.77
	5/11/1998	--	<4.2	--	--	2.8	<0.38	--	--	<1.2	83	--	--	1.7	--	--	--	--	--	0.56	0.0039	--	--	3.6
	8/5/1998	--	<4.2	--	--	12	<0.38	--	--	<1.2	350	--	--	6.9	--	--	--	--	--	0.559	0.0029	--	--	1.9
	11/18/1998	<2.9	<4.2	--	--	1.6	0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.59	0.0024	--	--	1
	5/19/1999	<2.9	<4.2	--	--	0.79	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.44	<0.001	--	--	1.8
	11/10/1999	--	<4.2	--	--	0.23	<0.42	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.43	<0.001	--	--	15
	5/23/2000	<2.9	<4.2	--	--	0.45	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.46	0.0017	--	--	0.57
	11/8/2000	--	<1.7	--	--	0.36	<0.74	--	--	<11.4	--	--	--	--	--	--	--	--	--	0.5	<0.005	--	--	0.57
	5/2/2001	<2.1	<2.3	--	--	0.26	0.97	0.43	--	<0.92	--	--	--	--	--	--	--	--	--	0.49	<0.005	--	--	1.2
	11/15/2001	--	<2.3	--	--	0.84	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.58	<0.005	--	--	3.1
	5/15/2002	<2.1	<2.3	--	--	0.75	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.47	<0.005	--	--	2.1
	11/20/2002	--	<2.6	--	--	0.84	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.47	<0.005	--	2.1	2.1
	5/20/2003	<1.5	<1.6	--	--	0.22	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.52	<0.010	--	--	2.6
	11/12/2003	--	<1.6	--	--	0.43	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.6	<0.010	--	--	2.6
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 4
Groundwater Monitoring Data Summary - Inorganic Parameters
Waupaca Foundry Sludge Lagoons

		ANTIMONY, DIS (UG/L)	ARSENIC, DIS (UG/L)	BARIUM, DIS (UG/L)	BERYLLIUM, DIS (UG/L)	CADMIUM, DIS (UG/L)	CHROMIUM, DIS (UG/L)	COBALT, DIS (UG/L)	COPPER, DIS (UG/L)	LEAD, DIS (UG/L)	MANGANESE, DIS (UG/L)	MERCURY, DIS (UG/L)	NICKEL, DIS (UG/L)	SELENIUM, DIS (UG/L)	SILVER, DIS (UG/L)	THALLIUM, DIS (UG/L)	VANADIUM, DIS (UG/L)	ZINC, DIS (UG/L)	CYANIDE, TOTAL (MG/L)	FLUORIDE, DIS (MG/L)	IRON, DIS (MG/L)	NITRATE NITROGEN, TOTAL (MG/L)	NITRITE+ NITRATE, DIS (MG/L)	NITRITE+ NITRATE, TOTAL (MG/L)
B-24R	12/10/1991	--	--	--	--	0.5	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/9/1992	--	ND	--	--	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	0.021	1.4	--	--
	12/7/1992	--	ND	--	--	ND	ND	--	--	ND	5300	--	--	10	--	--	--	--	--	--	ND	4.2	--	--
	3/8/1993	--	ND	--	--	ND	ND	--	--	ND	2500	--	--	ND	--	--	--	--	--	--	0.048	0.69	--	--
	6/8/1993	ND	ND	17	ND	ND	ND	ND	ND	ND	2700	ND	ND	13	ND	ND	ND	ND	--	--	0.017	--	--	1.9
	9/9/1993	--	ND	380	--	ND	ND	--	ND	ND	280	ND	--	2.1	ND	--	--	26	--	--	0.02	--	1.9	--
	12/7/1993	--	ND	38	--	ND	ND	--	ND	ND	1100	ND	--	ND	ND	--	--	27	--	0.95	ND	--	2.1	--
	2/9/1994	--	ND	21	--	ND	ND	--	ND	ND	1600	ND	--	4.7	ND	--	--	18	--	--	0.76	ND	--	2.1	--
	5/9/1994	--	ND	--	--	0.28	ND	--	--	ND	3600	--	--	5.1	--	--	--	--	--	--	0.55	0.02	--	1.4	--
	8/15/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	0.11	--
	8/29/1994	ND	ND	--	ND	--	--	ND	--	ND	--	--	ND	ND	--	ND	ND	--	--	--	0.87	--	--	--	--
	11/8/1994	--	ND	--	--	ND	ND	--	--	0.78	1400	--	--	ND	--	--	--	--	--	--	0.98	0.007	--	ND	--
	2/14/1995	--	ND	--	--	ND	ND	--	--	ND	2100	--	--	ND	--	--	--	--	--	--	0.66	0.002	--	3	--
	5/15/1995	ND	ND	20	ND	ND	ND	ND	1.9	ND	1600	ND	0.91	ND	ND	ND	ND	ND	0.005	1.5	ND	--	--	3.5	--
	8/21/1995	--	ND	--	--	0.28	ND	--	--	ND	940	--	--	2	--	--	--	--	--	--	0.71	ND	--	10	--
	11/14/1995	--	ND	--	--	ND	ND	--	--	ND	2600	--	--	ND	--	--	--	--	--	--	0.66	ND	--	1.1	--
	2/13/1996	--	ND	--	--	ND	ND	--	--	ND	1400	--	--	1.7	--	--	--	--	--	--	0.93	0.015	--	3	--
	5/15/1996	ND	ND	18	0.1	ND	ND	ND	ND	ND	1900	ND	0.86	3.8	ND	ND	ND	ND	ND	ND	0.91	ND	--	--	0.52
	5/15/1996	ND	ND	19	0.15	ND	ND	ND	ND	ND	--	ND	1	ND	ND	ND	ND	ND	ND	ND	0.94	ND	--	--	0.56
	8/12/1996	--	1.8	--	--	0.22	1.1	--	--	ND	940	--	--	ND	--	--	--	--	--	--	0.68	0.017	--	--	0.47
	11/19/1996	--	<1.8	--	--	0.21	0.8	--	--	<2.0	1200	--	--	<1.8	--	--	--	--	--	--	0.77	<0.015	--	--	<0.023
	2/11/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2.0	780	--	--	<1.8	--	--	--	--	--	--	0.92	<0.015	--	--	4
	5/20/1997	--	<1.8	--	--	<0.16	<0.61	--	--	<2.0	880	--	--	<1.3	--	--	--	--	--	--	0.48	<0.015	--	--	1.7
	8/26/1997	<4	<1.8	20	0.17	0.2	<0.61	<0.61	2.8	<2.0	1500	<0.05	1.4	<1.3	<1.1	<1.2	<0.5	<12	<0.004	0.67	<0.015	--	--	0.51
	8/26/1997	<4	<1.8	18	<0.083	0.16	<0.61	<0.61	2.9	<2.0	1000	<0.05	1.2	<1.3	<1.1	<1.2	<0.5	<12	<0.004	0.68	<0.015	--	--	--	0.52
	11/20/1997	--	<1.8	--	--	<0.16	0.96	--	--	<2.0	2800	--	--	3.8	--	--	--	--	--	0.7	<0.015	--	--	--	1.5
	2/3/1998	--	<1.8	--	--	0.24	<0.61	--	--	<2.0	1700	--	--	<1.3	--	--	--	--	--	0.79	<0.015	--	--	--	1.3
	5/11/1998	--	<4.2	--	--	<0.26	0.55	--	--	<1.2	1200	--	--	<1.3	--	--	--	--	--	0.9	0.0079	--	--	--	0.67
	8/5/1998	--	<4.2	--	--	<0.26	<0.38	--	--	<1.2	710	--	--	<1.3	--	--	--	--	--	1	0.0038	--	--	--	<0.031
	11/18/1998	<2.9	<4.2	--	--	<0.26	<0.38	<0.58	--	<1.2	--	--	--	--	--	--	--	--	--	0.68	<0.001	--	--	--	0.53
	5/19/1999	<2.9	<4.2	--	--	<0.21	0.87	1.1	--	<1.4	--	--	--	--	--	--	--	--	--	0.44	0.0012	--	--	--	3.2
	11/10/1999	--	<4.2	--	--	<0.21	0.68	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.49	<0.001	--	--	--	3.4
	5/23/2000	<2.9	<4.2	--	--	<0.21	<0.42	<0.45	--	<1.4	--	--	--	--	--	--	--	--	--	0.74	0.0014	--	--	--	2.8
	11/8/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.9	<0.005	--	--	--	0.53
	11/8/2000	--	<1.7	--	--	<0.21	<0.74	--	--	<1.4	--	--	--	--	--	--	--	--	--	0.89	<0.005	--	--	--	0.54
	5/2/2001	<2.1	<2.3	--	--	<0.23	0.67	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.72	<0.005	--	--	--	1.5
	5/2/2001	<2.1	<2.3	--	--	0.28	<0.57	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.73	<0.005	--	--	--	1.6
	11/15/2001	--	<2.3	--	--	0.27	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.77	<0.005	--	--	--	0.92
	11/15/2001	--	<2.3	--	--	<0.23	<0.57	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.82	<0.005	--	--	--	0.86
	5/15/2002	<2.1	<2.3	--	--	<0.23	0.6	<0.35	--	<0.92	--	--	--	--	--	--	--	--	--	0.76	<0.005	--	--	--	0.82
	5/15/2002 (Dup)	<2.1	2.7	--	--	<0.23	<0.57	<0.32	--	<0.92	--	--	--	--	--	--	--	--	--	0.79	<0.005	--	--	--	0.82
	11/19/2002	--	<2.6	--	--	0.36	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.66	<0.005	--	3.9	3.9
	11/19/2002 (Dup)	--	<2.6	--	--	<0.23	<0.44	--	--	<0.92	--	--	--	--	--	--	--	--	--	0.69	<0.05	--	4.1	4.1
	5/20/2003	<1.5	<1.6	--	--	0.37	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.71	<0.010	--	--	5.1
	5/20/2003 (Dup)	<1.5	<1.6	--	--	0.46	<0.43	<0.35	--	<0.94	--	--	--	--	--	--	--	--	--	0.65	<0.010	--	--	5.1
	11/12/2003	--	<1.6	--	--	<0.17	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.81	<0.010	--	--	2.2
	11/12/2003 (Dup)	--	1.6	--	--	0.19	<0.43	--	--	<0.94	--	--	--	--	--	--	--	--	--	0.8	<0.010	--	--	2.3
Preventive Action Limit		1.2	5	400	0.4	0.5	10	8	130	1.5	25	0.2	20	10	10	0.4	6	2500	40	0.8	0.15	0.2	2	2
Enforcement Standard		6	50	2000	4	6	100	40	1300	15	50	2	100	50	50	2	30	5000	200	4	0.3	1	10	10

Notes:

15 Exceeds Preventive Action Limit

25 Exceeds Enforcement Standard

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-1A	12/16/86	ND	1.1	ND	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	ND	-	ND	-	ND	ND	-
	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	1.1	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	3/11/91	ND	ND	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	0.041	ND	ND	ND	ND	--	ND	--	ND	ND	0.42	ND	ND	ND	ND	ND	--	ND	ND	0.36	ND
	6/8/93	ND	0.23	ND	ND	ND	ND	--	ND	ND	ND	ND	0.18	ND	ND	ND	ND	--	--	ND	ND	0.27	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	1	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	ND	0.081	ND	ND	ND	ND	0.23	--	0.49	ND	0.039	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	0.72	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	0.47	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.11	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	0.59	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	0.76	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	1.5	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	0.86	0.042	ND	ND	ND	--	ND	ND	0.072	ND	ND	--	ND	0.056	ND	0.073	--	ND	ND	ND	0.045	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/3/98	0.49	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	3.3	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/10/99	1.9	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/00	2	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	0.22	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	0.53	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1B	12/16/86	ND	ND	ND	ND	ND	--	--	ND	ND	ND	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--
	4/30/87	ND	ND	ND	ND	ND	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	ND	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	3/11/91	ND	ND	--	--	ND	--	--	--	--	ND	--	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	ND	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**0.7**	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**2.1**	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**2.1**	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.7**	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	1	ND	--	ND	ND	ND	ND
	6/8/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.43	--	--	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	0.83	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/8/94	1.6	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	ND	0.084	ND	ND	ND	ND	0.038	--	0.38	ND	0.034	ND	ND
	8/21/95	2.5	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	3.8	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	2.5	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	2.8	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	3.1	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	2.6	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	2	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	3.2	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	7.2	ND	0.19	ND	--	--	ND	ND	28	ND	ND	--	ND	ND	ND	ND	--	ND	ND	0.074	ND	ND
	11/20/97	19	ND	0.69	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/3/98	13	ND	**0.81**	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	18	ND	0.48	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	21	ND	**0.86**	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	16	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	5.2	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	6.2	ND	0.19	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	4.5	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/00	2.3	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	1.7	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	1.1	ND	ND	ND	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	1.5	ND	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/19/02	ND	ND	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	2.3	ND	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	0.87	ND	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-1R	12/16/86	19	1.9	ND	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	**11**	--	ND	--	ND	ND	--
	4/30/87	**336**	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	**9.8**	--	--	--	ND	ND	--
	12/10/87	**180**	1	--	--	--	--	--	--	--	--	--	--	--	--	--	**74.3**	--	--	--	--	--	--
	3/8/88	**299**	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**3.1**	--	--	--	--	--	--
	6/6/88	**190**	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**1.9**	--	--	--	--	--	--
	9/22/88	**200**	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	**20.4**	--	--	--	--	--	--
	12/13/88	**120**	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**16**	--	--	--	--	--	--
	1/24/89	**85.3**	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	**5.5**	--	--	--	ND	ND	--
	6/8/93	0.48	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	**3.2**	--	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.2**	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**0.87**	ND	--	ND	ND	ND	ND
	2/9/94	0.92	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**7.6**	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**3.8**	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	ND	0.09	ND	ND	ND	ND	0.11	--	0.42	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.82	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/13/96	0.41	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.25	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.34	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	2.3	ND	--	ND	ND	ND	ND
	5/20/97	0.18	ND	ND	ND	ND	ND	ND	ND	--	0.13	ND	ND	ND	2.8	0.24	0.13	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	--	ND	ND	ND	0.044	ND	--	ND	ND	ND	0.12	--	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.27	ND	ND	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND
	11/15/01	0.24	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.3**	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.7**	ND	--	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	1.1	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-2A	12/16/86	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--
	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.7**	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	**0.7**	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**3.6**	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**5.7**	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**3.9**	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	**2.5**	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	3/11/91	ND	ND	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	**1.5**	--	--	--	ND	ND	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.5**	ND	--	ND	ND	ND	ND
	12/10/91	0.82	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**0.8**	ND	--	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	**0.87**	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.1**	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.3**	ND	--	ND	ND	ND	ND
	12/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	3/8/93	0.83	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	0.95	ND	--	ND	ND	ND	ND
	6/8/93	0.55	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	0.48	--	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	0.05	0.1	ND	ND	ND	ND	0.076	--	0.4	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.14	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.13	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	0.061	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-2R	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	ND	ND	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	ND	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/8/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
	9/8/93	ND	--	--	ND	--	--	--	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/10/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	ND	--	ND	ND	ND	ND	0.049	ND	ND	ND	ND	ND	--	0.43	ND	0.028	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	0.13	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	0.2	0.027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	0.12	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-3A	12/16/86	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--
	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	--	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	ND	ND	ND
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	3/11/91	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/9/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	--	ND	--	ND	ND	--
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	0.048	0.072	ND	ND	ND	ND	ND	--	0.41	ND	0.027	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/11/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	<1.1	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-3R	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/9/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	0.028	ND	ND	0.051	0.07	ND	ND	ND	ND	ND	--	0.46	ND	0.047	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	<0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/11/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	0.12	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03			ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03			ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-4	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	4.5	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/16/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	--	ND	ND	ND	ND	--	--	--	--	--	--
	9/17/91	ND	--	--	ND	--	--	--	--	--	--	ND	ND	--	--	--	--	--	--	--	--	--	--
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	1.2	ND	ND
	6/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	0.13	ND	ND	--	ND	1.8	ND	ND
	3/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.11	ND	ND
	6/9/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	0.66	ND	0.18	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	ND	0.075	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	0.15	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	4.1	0.04	<0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1.5	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	2	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1.3	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	0.11	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/16/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-5	12/16/86	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	--	ND	--	ND	ND	--	ND	--	ND	ND	--
	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	3.4	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	34.7	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	26	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	22	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	5.6	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	2.2	--	--	--	ND	ND	--
	7/12/89	1.3	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	0.5	--	--	--	--	--	--
	9/12/89	1.1	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	1.3	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	3/11/91	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	2.6	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/9/92	ND	ND	ND	ND	ND	ND	--	ND	ND	0.14	ND	ND	ND	ND	0.17	ND	ND	--	ND	0.17	ND	ND
	6/8/92	1.2	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	0.62	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	0.34	ND	--	ND	ND	ND	0.25
	6/8/93	0.18	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	0.12	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	ND	--	ND	ND	ND	0.055	0.096	ND	ND	ND	0.077	0.14	--	0.37	ND	0.028	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	0.13	ND	ND	ND	ND	0.12	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	0.13	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	ND	--	0.14	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	0.48	ND	ND	ND	ND	0.33	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	0.52	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	0.18	ND	ND	ND	ND	0.19	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-6R	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	ND	ND	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	--	--	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND
	6/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/6/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/16/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/14/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/14/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/21/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/25/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/6/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/6/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/16/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/5/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/2/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/10/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/7/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/27/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/7/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/13/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-7	4/30/87	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	--	ND	ND	--	--	--	ND	ND	--
	12/10/87	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/8/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/6/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/22/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/88	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	7/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	9/12/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/13/89	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	3/14/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	6/11/90	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--	--	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	ND	--	ND	ND	ND
	3/11/91	ND	ND	--	ND	--	--	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--	--
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/17/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.66	ND	ND
	6/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/6/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/16/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/14/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/14/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/21/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/25/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/6/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/6/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/17/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/16/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/5/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/2/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/9/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/10/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/7/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/27/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/7/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/13/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/7/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/14/02	3.4	0.17	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/13/02	2.5	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/02	3.1	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-11	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	9/16/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/9/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/9/92	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	--	0.13	0.28	ND	0.13
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND		--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	ND	0.074	ND	ND	ND	ND	ND	ND	0.37	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	0.2	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-11A	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	9/17/91	0.6	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/9/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/9/92	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	0.33	ND	--	ND	ND	ND	ND
	6/8/93	0.17	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	ND	--	ND	ND	ND	ND	0.095	ND	ND	ND	ND	0.047	ND	0.39	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	0.34	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND	ND	0.037	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-12	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	7.7	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	1.2	--	--	--	ND	ND	ND
	6/10/91	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	9/16/91	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/10/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	0.29	ND	ND	ND
	3/10/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	1.3	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND
	6/9/93	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	--
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	--	ND	--	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	1.5	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	0.024	ND	ND	ND	0.099	ND	ND	ND	ND	ND	--	0.41	ND	0.022	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
B-12R	11/11/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/16/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-12A	1/24/89	ND	ND	ND	ND	--	--	--	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	--
	12/10/90	ND	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	ND	--	--	--	ND	ND	ND
	1/11/91	1.5	ND	ND	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	**1.1**	--	--	--	ND	ND	ND
	6/10/91	4.3	ND	**1**	ND	--	--	ND	ND	--	ND	ND	--	ND	ND	ND	**2.5**	--	--	--	ND	ND	ND
	9/16/91	0.77	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	**2.2**	ND	--	ND	ND	ND	ND
	12/10/91	1.4	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.5**	ND	--	ND	ND	ND	ND
	3/10/92	0.87	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1**	ND	--	ND	ND	ND	ND
	6/9/92	1.3	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.4**	ND	--	ND	ND	ND	ND
	9/9/92	0.84	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.6**	ND	--	ND	ND	ND	ND
	12/8/92	0.92	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.5**	ND	--	ND	ND	ND	ND
	3/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	1.6	ND	ND
	6/9/93	0.6	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	**0.7**	--	--	ND	ND	0.11	ND
	9/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	--	--
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	ND	ND	--	--	ND	--	ND	--	--
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/15/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	--	--	ND	ND	ND	0.061	0.084	ND	ND	ND	ND	0.11	--	0.48	ND	ND	0.031	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	0.98	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.37	ND	--	ND	ND	ND	ND
	5/15/96	0.16	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.3	ND	--	ND	ND	ND	0.86
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**0.86**	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/11/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	0.37	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	0.4	ND	ND	ND	ND	ND	0.18	ND	--	ND	ND	ND	ND
	11/18/98	3	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/99	0.48	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-12AR	11/11/99	2.5	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.28	ND	--	ND	ND	ND	ND
	5/23/00	2.4	ND	ND	ND	0.16	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.18	ND	--	ND	ND	ND	ND
	11/2/00	0.76	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	2.4	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.18	ND	--	ND	ND	ND	ND
	11/16/01	0.86	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND
	5/15/02	0.93	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/20/02	1.9	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	1.4	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	3.5	0.68	0.25	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-21A	6/7/93	ND	ND	ND	ND	ND	ND	--	ND	ND	0.95	ND	ND	ND	ND	ND	ND	--	--	ND	0.56	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/6/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	--	ND	ND	--
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95							ND	ND	ND	ND	0.099	ND	ND	ND	ND	ND	ND	0.37	ND	0.041	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	0.24	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-21R	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
MW-21AR	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/28/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/8/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

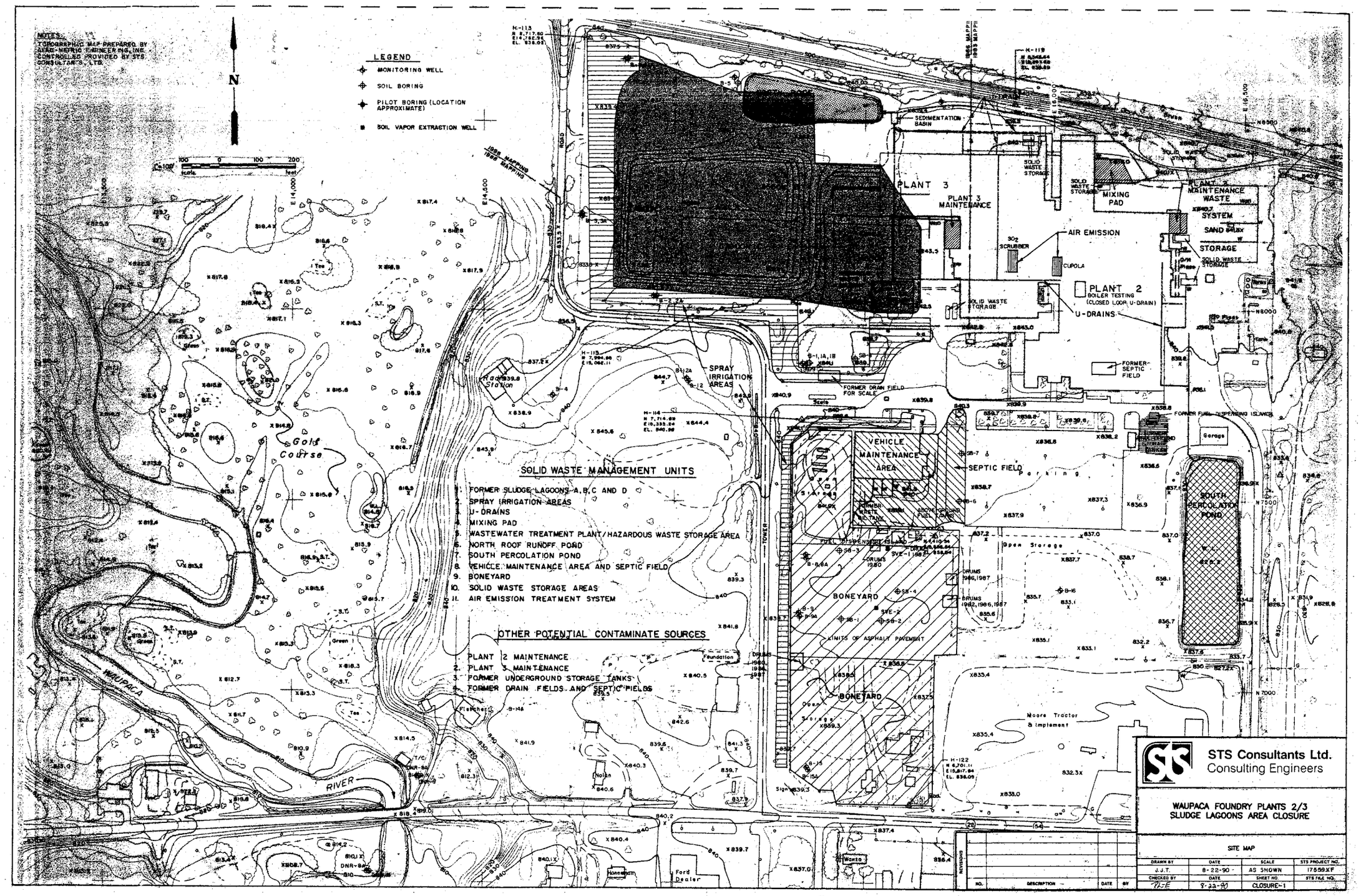
Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
MW-21RR	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/28/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/12/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/8/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/14/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/18/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-22	12/11/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	0.57	ND	ND
	3/9/92	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/8/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	9/9/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/92	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	6/7/93	0.31	0.31	ND	ND	ND	ND	--	ND	ND	0.31	0.13	ND	ND	0.31	ND	ND	ND	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/95	--	--	--	--	ND	--	ND	ND	ND	ND	0.074	ND	ND	ND	ND	ND	--	0.37	ND	ND	ND	--
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	<0.17	ND	ND	ND	--	ND	ND	ND	ND
	11/1/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
B-23	12/11/91	4.1	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**3.9**	ND	--	ND	ND	ND	ND	ND
	3/9/92	6.2	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**13**	ND	--	ND	ND	ND	ND	ND
	6/8/92	3.8	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**3.7**	ND	--	ND	ND	ND	ND	ND
	9/9/92	2.2	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**6.3**	ND	--	ND	ND	ND	ND	ND
	12/7/92	0.93	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**2.3**	ND	--	ND	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**1.6**	ND	--	ND	0.5	ND	ND	ND
	6/7/93	0.9	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.37	0.12	**1.4**	ND	--	ND	ND	ND	ND	ND
	9/9/93	1.6	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**5.4**	ND	--	ND	ND	ND	ND	ND
	12/7/93	1.1	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**21**	ND	--	ND	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**3.7**	ND	--	ND	ND	ND	ND	ND
	5/9/94	2.1	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	**3.8**	ND	--	ND	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND	**0.79**	ND	--	ND	ND	ND	ND	ND
	11/8/94	0.63	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**3.8**	ND	--	0.45	ND	ND	ND	ND
	2/14/95	0.34	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**0.84**	--	0.48	ND	ND	ND	ND	--
	5/15/95	--	--	--	ND	ND	--	ND	ND	ND	ND	0.11	ND	ND	0.23	ND	ND	ND	--	ND	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/14/95	1.1	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.71	ND	ND	ND	--	ND	ND	ND	ND	ND
	2/13/96	1.3	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.26	ND	**2.8**	ND	--	ND	ND	ND	ND	ND
	5/15/96	2	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.93	ND	**3.7**	ND	--	ND	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.87	ND	ND	ND	--	ND	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	3.7	ND	ND	ND	--	ND	ND	ND	ND	ND
	2/10/97	0.99	ND	ND	ND	ND	ND	ND	ND	--	ND	**1.2**	ND	ND	7.2	ND	**3.2**	ND	--	ND	ND	ND	ND	ND
	5/20/97	0.39	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.89	0.15	**1.6**	ND	--	ND	ND	ND	ND	ND
	8/26/97	0.22	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	--	ND	1.4	0.074	0.49	--	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.34	ND	**1.7**	ND	--	ND	ND	ND	ND	ND
	2/3/98	0.66	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.3**	ND	--	ND	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.51	ND	0.16	ND	--	ND	ND	ND	ND	ND
	8/5/98	0.3	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1.5	ND	0.47	ND	--	ND	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	2	ND	0.33	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND
	11/10/99	1.2	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.94	ND	**6.3**	ND	--	ND	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**0.67**	ND	ND	ND	ND	ND	ND	ND
	11/1/00	0.48	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.25	ND	**7.3**	ND	--	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.9**	ND	ND	ND	ND	ND	ND	ND
	11/15/01	0.57	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.18	ND	**7.6**	ND	--	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	0.66	ND	**4**	ND	ND	ND	ND	ND	ND	ND
	11/20/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**3.9**	ND	--	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**1.1**	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	**5.5**	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000

Table 5
Groundwater Monitoring Data Summary - Organic Parameters
Waupaca Foundry Sludge Lagoon

Well ID	Date	1,1,1-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHYLENE	1,2-DICHLOROETHANE	1,2,4-TRICHLOROBENZENE	1,2,4-TRIMETHYLBENZENE	BENZENE	BROMOMETHANE	CARBON DISULFIDE	CHLOROFORM	CHLOROMETHANE	CIS-1,2-DICHLOROETHENE	DIBROMOCHLOROMETHANE	DICHLORODIFLUOROMETHANE	FLUOROTRICHLOROMETHANE	TETRACHLOROETHYLENE	METHYL-TERT-ETHYL-BUTYL ETHER	METHYLETHYLKETONE	NAPHTHALENE	TOLUENE	TRICHLOROETHYLENE	M&P-XYLENE
B-24R	12/11/91	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--
	3/9/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/8/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	ND	--	ND	ND	ND	ND
	9/9/92	2.6	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	1	ND	--	ND	ND	ND	ND
	12/7/92	1.9	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	0.47	ND	--	ND	ND	ND	ND
	3/8/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	0.61	ND	--	ND	0.51	ND	0.14
	6/7/93	ND	ND	ND	ND	ND	0.11	--	ND	0.19	ND	ND	ND	ND	0.59	ND	0.61	ND	--	ND	ND	ND	ND
	9/9/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	12/7/93	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/9/94	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/29/94	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/8/94	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1.5	ND	ND	ND	0.41	ND	0.025	ND	--
	5/15/95	--	--	--	--	ND	--	ND	ND	ND	0.11	0.092	ND	ND	0.83	0.091	0.089	ND	--	ND	ND	ND	ND
	8/21/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/14/95	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	0.26	ND	--	ND	ND	ND	ND
	2/13/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	1	ND	0.17	ND	--	ND	ND	ND	ND
	5/15/96	0.16	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/12/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/19/96	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/10/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	0.21	0.22	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/26/97	ND	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/20/97	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	2/3/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	5/11/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	8/5/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/18/98	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/19/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/10/99	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/23/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/8/00	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/2/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND
	11/15/01	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/15/02	ND	ND	ND	ND	ND	ND	ND	ND	--	0.87	ND	ND	ND	ND	ND	0.31	ND	--	ND	ND	ND	ND
	11/19/02	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/20/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/12/03	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NR 140 PAL		40	85	0.7	0.5	14	96	0.5	1	200	0.6	0.3	7	6	200	698	0.5	12	90	8	200	0.5	1000
NR 140 ES		200	850	7	5	70	480	5	10	1000	6	3	70	60	1000	3490	5	60	460	40	1000	5	10000



STS Consultants Ltd.
Consulting Engineers

WAUPACA FOUNDRY PLANTS 2/3
SLUDGE LAGOONS AREA CLOSURE

SITE MAP

DRAWN BY	DATE	SCALE	STS PROJECT NO.
J.J.T.	8-22-90	AS SHOWN	17559XF
CHECKED BY	DATE	SHEET NO.	STS FILE NO.
	8-22-90	CLOSURE-1	

NO.	DESCRIPTION	DATE	BY

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-1A	9/18/1985	--	--	--	480
	1/9/1986	820.6	--	--	740
	4/21/1986	820.7	--	--	533
	7/8/1986	819.9	--	--	551
	9/22/1986	820.7	--	--	560
	12/16/1986	820.2	--	--	640
	3/10/1987	819	--	--	520
	6/23/1987	818.9	--	--	420
	9/14/1987	818.5	--	--	478
	12/10/1987	818.1	--	--	484
	3/8/1988	818.4	--	--	518
	6/6/1988	818.19	--	--	470
	9/22/1988	818.2	--	--	498
	12/13/1988	818.6	--	--	374
	7/12/1989	817.91	--	--	536
	9/12/1989	817.4	--	--	491
	12/13/1989	817	--	--	477
	3/14/1990	817.18	--	--	464
	6/11/1990	818.2	--	--	597
	3/11/1991	817.78	--	--	510
	6/10/1991	819.37	--	--	295
	9/17/1991	818.38	12.9	7.5	480
	12/10/1991	818.59	11.1	7.5	460
	3/10/1992	817.93	11.6	7.4	560
	6/8/1992	819.34	11.7	7.3	540
	9/9/1992	818.13	12	7.2	640
	12/7/1992	818.86	11.6	7.5	590
	3/8/1993	818.32	11.7	7.2	540
	6/8/1993	820.07	12.3	7.3	540
	9/8/1993	821.32	11.8	7.4	560
	12/7/1993	820.11	11.8	7.21	580
	2/9/1994	819.45	11.7	7.22	640
	5/9/1994	820.4	11.9	7.37	770
	8/15/1994	821.27	12.1	7.31	590
	11/8/1994	821.38	12	7.34	520
	2/14/1995	818.58	11.3	7.27	700
	5/15/1995	818.24	12.3	7.28	710
	8/21/1995	819.69	12.2	7.37	580
	11/14/1995	819.21	10.3	7.29	660
	2/13/1996	818.25	11.6	7.39	610
	5/15/1996	818.92	11.5	7.58	590
	8/12/1996	822.11	12.1	7.32	720
	11/19/1996	820.17	11.4	7.3	680
	2/10/1997	819.5	11.7	7.2	740
	5/20/1997	819.47	11.5	7.2	690
	8/26/1997	819.82	11.7	7.4	740
	11/20/1997	818.6	11	7.4	530
	2/3/1998	817.57	11.2	7.1	620
	5/11/1998	819.84	11.7	7.2	640
	8/5/1998	820.49	12	7.7	590
	11/18/1998	819.29	11.5	7.6	670
	5/19/1999	818.21	12.6	7.2	830
	11/10/1999	818.35	12.3	7.2	650
	5/23/2000	818.11	13.1	7.2	610
	11/1/2000	818.14	12.7	7.3	520
	5/2/2001	818.46	12.8	7.4	620
	11/15/2001	818.15	13.7	6.9	620
	5/15/2002	818.47	13.1	7.6	590
	11/19/2002	818.05	12.6	6.8	540
	5/20/2003	818.28	12.6	7.4	550
	11/12/2003	817.56	12.7	7.11	617

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-1B	9/18/1985	--	--	7.5	975
	1/9/1986	821.9	--	7.3	737
	4/21/1986	822.2	--	8.3	573
	7/8/1986	821.4	--	8.4	567
	9/22/1986	822.1	--	7.7	570
	12/16/1986	821.8	--	7	590
	3/10/1987	820.3	--	7.2	580
	6/23/1987	820.4	--	7.5	550
	9/14/1987	819.9	--	7.2	554
	12/10/1987	819.3	--	--	580
	3/8/1988	819.8	--	--	638
	6/6/1988	819.52	--	--	593
	9/22/1988	819.4	--	--	688
	12/13/1988	819.8	--	--	698
	7/12/1989	819.31	--	--	724
	9/12/1989	818.65	--	--	695
	12/13/1989	818.2	--	--	695
	3/14/1990	818.3	--	--	759
	6/11/1990	819.6	--	--	759
	3/11/1991	819.29	--	--	740
	6/10/1991	821.22	--	--	800
	9/17/1991	820.09	13	7.4	760
	12/10/1991	820.37	11.1	7.3	780
	3/10/1992	819.61	11.5	7.2	820
	6/8/1992	820.43	12	7.1	780
	9/9/1992	819.8	12.1	6.9	720
	12/7/1992	820.68	11.1	7.3	690
	3/8/1993	820	11.3	7.2	710
	6/8/1993	822.1	12.3	7.1	750
	9/8/1993	823.43	12.2	7.2	800
	12/7/1993	822.04	11	7.14	810
	2/9/1994	821.27	10.8	7.05	820
	5/9/1994	822.35	11.4	7.32	760
	8/15/1994	822.94	12	7.1	760
	11/8/1994	822.88	11.8	7.17	720
	2/14/1995	820.21	10.7	7.22	680
	5/15/1995	819.98	12	7.2	690
	8/21/1995	821.17	12.5	7.03	750
	11/14/1995	820.95	10.5	7.14	680
	2/13/1996	819.91	10.8	7.36	630
	5/15/1996	820.82	11.3	7.4	690
	8/12/1996	823.93	12	7.29	710
	11/19/1996	821.74	11	7.2	700
	2/10/1997	820.96	10.7	7.2	720
	5/20/1997	821.17	11.2	7.3	700
	8/26/1997	821.33	11.9	7.4	720
	11/20/1997	820.12	11.1	7.3	610
	2/3/1998	819.07	10.8	7.2	630
	5/11/1998	821.4	11.8	7.2	660
	8/5/1998	821.85	12	7.8	630
	11/18/1998	820.64	10.9	7.5	640
	5/19/1999	819.78	11.8	7.4	670
	11/10/1999	819.7	11.4	7.1	560
	5/23/2000	819.34	12.3	7.2	590
	11/1/2000	819.53	13.2	7.2	620
	5/2/2001	819.97	12.2	8	700
	11/15/2001	819.59	12.9	6.9	640
	5/15/2002	820.02	12.5	7.9	720
	11/19/2002	819.46	11.9	7	730
	5/20/2003	819.69	12.1	7.1	670
	11/12/2003	819.28	12.5	7.28	720

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-1R	9/18/1985	--	--	7.5	460
	1/9/1986	821	--	7.2	662
	4/21/1986	822	--	8.9	497
	7/8/1986	821.7	--	8.1	546
	9/22/1986	821.9	--	7.4	570
	12/16/1986	821.7	--	6.9	630
	3/10/1987	820.6	--	7	390
	6/23/1987	820.6	--	6.9	460
	9/14/1987	820.3	--	6.4	527
	12/10/1987	819.9	--	--	552
	3/8/1988	820.2	--	--	491
	6/6/1988	819.9	--	--	488
	9/22/1988	820.4	--	--	601
	12/13/1988	820.5	--	--	588
	6/8/1993	821.26	10.7	6.9	540
	9/9/1993	822.86	10.8	7	510
	12/7/1993	821.51	12.6	6.7	430
	2/9/1994	820.74	11.3	6.79	460
	5/9/1994	821.82	10.3	6.91	480
	8/15/1994	823.6	11.7	6.97	700
	11/8/1994	823.82	14.8	7	510
	2/14/1995	820.06	12.6	6.91	810
	5/15/1995	819.24	11.6	7	550
	8/21/1995	822.09	12.1	7.03	650
	11/14/1995	820.69	10.8	7	650
	2/13/1996	819.24	11.07	7.07	420
	5/15/1996	819.89	10.3	7.25	410
	8/12/1996	824.45	11.8	7.19	710
	11/19/1996	822.21	12.8	7	630
	2/10/1997	821.27	11.6	6.8	1200
	5/20/1997	822.1	10.7	6.9	1000
	8/26/1997	822.1	12.1	7.4	560
	11/20/1997	820.22	12.1	7.2	900
	2/3/1998	818.82	11.1	7.2	410
	5/11/1998	821.83	10.9	7.2	590
	8/5/1998	823.07	13.7	7.6	440
	11/18/1998	821.28	14	7.2	910
	5/19/1999	819.67	12	7.2	580
	11/10/1999	820.31	13.5	6.9	400
	5/23/2000	820.46	12	7.2	450
	11/1/2000	820.06	14	7.1	360
	5/2/2001	819.85	12	6.9	310
	11/15/2001	819.95	15.3	6.5	590
	5/15/2002	819.78	12.1	7	240
	11/19/2002	819.85	15.6	6.8	390
	5/20/2003	819.91	11.6	7.2	610
	11/12/2003	819.44	13.3	6.89	398

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-2A	9/18/1985	--	--	7.6	765
	1/9/1986	820.6	--	6.5	838
	4/21/1986	820.4	--	8	753
	7/8/1986	819.6	15.4	7.56	119.6
	9/22/1986	820.8	--	7.7	670
	12/16/1986	819	--	7.3	800
	3/10/1987	818.8	--	7.4	660
	6/23/1987	818.5	--	7.5	660
	9/14/1987	818.2	--	7.1	625
	12/10/1987	818.5	--	--	627
	3/8/1988	818.12	--	--	635
	6/6/1988	818.2	--	--	623
	9/22/1988	818.6	--	--	708
	12/13/1988	818.06	--	--	650
	7/12/1989	817.48	--	--	676
	9/12/1989	817	--	--	630
	12/13/1989	817.24	--	--	659
	3/14/1990	818.3	--	--	674
	6/11/1990	817.85	--	--	619
	3/11/1991	819.48	--	--	600
	6/10/1991	818.42	--	--	575
	9/17/1991	818.59	10.5	7.3	650
	12/10/1991	818.05	9.3	7.3	620
	3/10/1992	818.7	8.7	7.1	620
	6/8/1992	818.19	10.2	7.2	570
	9/9/1992	818.9	9.9	6.9	550
	12/7/1992	818.36	9.6	7.1	530
	3/8/1993	820.09	9.8	7.2	520
	6/8/1993	821.31	10.3	7	480
	9/9/1993	820.12	10.1	7.3	520
	12/7/1993	819.45	9.6	7.13	510
	2/10/1994	820.45	10.1	7.2	530
	5/9/1994	821.3	9.6	7.39	520
	8/16/1994	821.42	16.2	7.36	480
	11/8/1994	818.62	11.7	7.41	500
	2/14/1995	818.33	10.3	7.3	560
	5/15/1995	819.77	10.7	7.23	510
	8/21/1995	818.99	10.9	7.28	630
	11/14/1995	818.3	11.2	7.28	580
	2/13/1996	819.96	12.6	7.4	530
	5/15/1996	822.2	11.5	7.27	660
	8/12/1996	820.19	12	7.24	720
	11/19/1996	819.53	11.5	7.3	540
	2/11/1997	819.52	11.2	7.3	500
	5/20/1997	819.91	9.7	6.9	730
	8/26/1997	818.63	10.3	7.3	640
	11/20/1997	817.66	11.6	7.3	540
	2/3/1998	819.98	11.7	7.5	570
	5/11/1998	820.57	11.3	7.2	680
	8/5/1998		11.6	7	610
	11/18/1998	819.39	13.6	7.3	310
	5/19/1999	818.3	12	7.1	650
	11/10/1999	818.4	12.8	7.2	470
	5/23/2000	818.15	11.7	7	590
	11/2/2000	818.15	12.7	6.8	590
	5/2/2001	818.49	12	7.1	680
	11/15/2001	818.22	11.3	7.2	640
	5/15/2002	818.54	11.2	7.5	690
	11/20/2002	818.09	10.1	7	710
	5/20/2003	818.40	9.7	6.7	650
	11/12/2003	817.92	10.8	6.51	621

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-2R	9/18/1985	820.5	--	7.5	727
	1/9/1986	824.7	--	6.7	1609
	4/21/1986	824.3	--	7.9	1595
	7/8/1986	823.7	--	8.1	1864
	9/22/1986	822	--	7.6	2900
	12/16/1986	820.8	--	7.7	2600
	3/10/1987	821.2	--	6.9	3270
	6/23/1987	820.7	--	7	2330
	9/14/1987	821.14	--	6.8	1520
	6/6/1988	822.6	--	--	896
	9/22/1988	823.62	--	--	1040
	12/13/1988	821.93	--	--	877
	7/12/1989	--	--	--	527
	6/11/1990	822.6	--	--	542
	6/10/1991	822.68	--	--	420
	9/9/1992	820.16	--	--	--
	6/8/1993	820.03	9.6	7.3	350
	9/9/1993	821.26	17.7	7.3	440
	12/7/1993	820.02	10.2	7.43	480
	2/10/1994	819.39	9.8	7.5	550
	5/9/1994	820.43	8.6	7.43	390
	8/16/1994	821.32	16.2	7.08	490
	11/8/1994	822.1	14.2	7.18	420
	2/14/1995	818.58	9.7	7.41	650
	5/15/1995	818.28	9.5	7.37	700
	8/21/1995	820.7	13.1	6.9	430
	11/14/1995	820.34	13.4	7.23	690
	2/13/1996	818.3	12.6	7.3	650
	5/15/1996	818.97	10.5	7.29	620
	8/12/1996	822.4	14.4	7.4	730
	11/19/1996	820.89	14.4	7.3	560
	2/11/1997	821.05	9.6	7	570
	5/20/1997	819.61	7.7	6.9	560
	8/26/1997	820.16	13.8	7.4	470
	11/20/1997	818.58	13.3	7.4	500
	2/3/1998	817.62	11.8	7.6	550
	5/11/1998	819.97	9.6	7.4	440
	8/5/1998	820.86	17.5	7.3	460
	11/18/1998	819.68	14.8	7.2	690
	5/19/1999	818.81	10.6	7.4	500
	11/10/1999	818.33	14.7	7.1	590
	5/23/2000	818.15	10.3	7.1	500
	11/2/2000	818.09	13.2	7	510
	5/2/2001	818.43	10.9	7.4	410
	11/15/2001	818.09	13.3	7.1	470
	5/15/2002	818.47	10.9	7.7	490
	11/20/2002	818.02	11.5	7.4	480
	5/20/2002	818.37	7.1	7.4	550
	11/13/2003	817.85	15.2	7.48	544

Table 7
Summary of Field Data
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		Elevation	Temp	pH	Conductivity
B-3A	9/18/1985	--	--	6.9	1417
	1/9/1986	822.1	--	6.2	722
	4/21/1986	822.7	--	7.9	528
	7/8/1986	821.9	13.8	7.46	775
	9/22/1986	823.2	--	7.9	580
	12/16/1986	822.2	--	7.4	620
	3/10/1987	821	--	7.6	530
	6/23/1987	820.8	--	7.7	540
	9/14/1987	820.1	--	6.8	520
	12/10/1987	819.5	--	--	495
	3/8/1988	820.6	--	--	551
	6/6/1988	819.79	--	--	488
	9/22/1988	819.6	--	--	555
	12/13/1988	820.3	--	--	540
	7/12/1989	819.74	--	--	498
	9/12/1989	818.99	--	--	499
	12/13/1989	818.5	--	--	513
	3/14/1990	818.8	--	--	525
	6/11/1990	820.3	--	--	504
	3/11/1991	819.82	--	--	495
	6/10/1991	821.97	--	--	515
	9/17/1991	820.65	11	7.7	500
	12/10/1991	820.8	10.2	7.7	510
	3/10/1992	819.94	9.6	7.3	530
	6/8/1992	820.9	10.2	7.5	520
	9/9/1992	820.22	10.2	7.4	520
	12/7/1992	820.88	9.8	7.5	480
	3/8/1993	820.24	9.9	7.5	510
	6/9/1993	822.43	10.7	7.5	510
	9/9/1993	823.91	11.5	7.8	540
	12/7/1993	822.6	10.7	7.33	530
	2/10/1994	821.87	9.8	7.72	530
	5/9/1994	823.1	10.6	7.68	530
	8/16/1994	823.57	12.1	7.32	570
	11/8/1994	823.68	11.7	7.56	580
	2/15/1995	820.79	9.7	7.49	540
	5/15/1995	820.72	10.2	7.64	540
	8/21/1995	822.04	11.8	7.56	590
	11/14/1995	821.44	10.2	7.58	540
	2/13/1996	820.47	10.3	7.78	500
	5/15/1996	821.32	10	7.65	540
	8/12/1996	825.1	12.4	7.79	580
	11/19/1996	822.22	11	7.8	590
	2/11/1997	821.73	10.1	7.4	560
	5/20/1997	821.78	9.7	7.3	550
	8/26/1997	822.01	10.5	7.7	560
	11/20/1997	820.57	10.1	7.7	500
	2/3/1998	819.63	10.1	7.9	540
	5/11/1998	822.26	10.3	7.5	550
	8/5/1998	822.54	10.7	7.2	560
	11/18/1998	821.25	10.8	7.7	570
	5/19/1999	820.38	11.5	7.6	616
	11/11/1999	820.2	10.9	7.6	560
	5/23/2000	819.83	11.3	7.4	550
	11/2/2000	819.86	13.6	7.2	530
	5/2/2001	820.42	11.2	7.6	540
	11/15/2001	820.08	11.7	7.3	520
	5/15/2002	820.68	11.2	8	490
	11/20/2002	819.99	10.9	7.5	510
	5/20/2003	820.50	10.6	7.1	530
	11/13/2003	819.86	11.2	7.6	551

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-3R	9/18/1985	--	--	7.6	648
	1/9/1986	823.6	--	6.3	1233
	4/21/1986	825.1	--	7.8	1313
	7/8/1986	824.9	--	7.1	1519
	9/22/1986	824.9	--	7.4	1800
	12/16/1986		--	7.2	1420
	3/10/1987	823	--	7.1	1320
	6/23/1987	823.9	--	7.3	1320
	9/14/1987	822.3	--	7.1	1090
	12/10/1987	822.1	--	--	1020
	3/8/1988	823.1	--	--	1080
	6/6/1988	823	--	--	902
	9/22/1988	822.5	--	--	983
	12/13/1988	824.32	--	--	789
	6/11/1990	824.1	--	--	668
	9/9/1992	819.7	--	--	--
	6/9/1993	823.09	9.3	6.8	350
	9/9/1993	823.55	17.5	5.9	580
	12/7/1993	822.49	10.5	7.34	580
	2/10/1994	822.08	8.7	7.42	550
	5/9/1994	824.35	8.1	7	280
	8/16/1994	825.29	11.9	6.93	500
	11/8/1994	826.2	13.7	6.94	450
	2/15/1995	821.1	8.4	7.28	480
	5/15/1995	821.57	8.4	7.23	460
	8/21/1995	826.07	12.8	6.88	530
	11/14/1995	822.15	12.6	7.16	410
	2/13/1996	820.73	7.7	7.3	400
	5/15/1996	821.98	7.3	7.17	410
	8/12/1996	826.55	16.2	7.07	520
	11/19/1996	823.72	12.6	7.3	460
	2/11/1997	823.82	5.6	7.3	540
	5/20/1997	822.3	8.1	7.2	480
	8/26/1997	824.13	15.7	6.8	450
	11/20/1997	820.75	12.6	7.1	480
	2/3/1998	819.7	12	7.6	580
	5/11/1998	825.61	8.9	7.4	420
	8/5/1998	825.79	17.2	7.2	570
	11/18/1998	823.88	13.6	7.4	420
	5/19/1999	822.23	10	7.2	440
	11/11/1999	820.88	13.8	7.2	530
	5/23/2000	825.75	12	7.5	150
	11/2/2000	820	14.7	7	570
	5/2/2001	823.25	8	7.6	350
	11/15/2001	820.13	14.3	6.9	490
	5/15/2002	822.21	8.9	7.4	480
	11/20/2002	820.15	12.9	7.2	550
	5/20/2003	824.63	8.8	7	390
	11/13/2003	820.10	13.4	7.21	601

Table 7
Summary of Field Data
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		Elevation	Temp	pH	Conductivity
B-4	9/17/1991	--	10.2	7.4	400
	12/10/1991	--	10.1	7.5	340
	3/10/1992	--	8.4	7.4	340
	6/9/1992	--	9	7.7	340
	9/9/1992	--	11.7	7.1	460
	12/9/1992	--	9.1	7.6	410
	3/9/1993	--	8.7	7	410
	6/9/1993	--	8.7	7.3	400
	9/8/1993	--	12.1	7.4	320
	12/8/1993	--	9.4	7.36	420
	2/11/1994	--	8.5	7.5	480
	5/9/1994	--	8.1	7.44	500
	8/16/1994	--	--	7.58	440
	11/8/1994	--	13	7.36	460
	2/15/1995	--	9.8	7.28	510
	5/15/1995	--	9.9	7.3	460
	8/21/1995	--	11.3	7.37	490
	11/14/1995	--	12.6	7.42	400
	2/13/1996	--	9	7.57	420
	5/15/1996	--	7.3	7.6	620
	8/12/1996	--	11.2	7.72	520
	11/19/1996	--	9.3	7.4	510
	2/11/1997	--	8.2	7.4	500
	5/20/1997	--	8.8	7.4	650
	8/26/1997	--	14.8	7.6	590
	11/20/1997	--	11.6	7.6	490
	2/3/1998	--	8.7	7.6	570
	5/11/1998	--	9.6	7.3	480
	8/5/1998	--	11.7	6.9	690
	11/18/1998	--	10.5	7.5	570
	5/20/1999	--	10.6	7.3	580
	11/10/1999	--	12.7	7.4	570
	5/23/2000	--	11.1	--	450
	11/2/2000	--	13.5	7.1	500
	5/2/2001	--	8.9	7.5	420
	11/16/2001	--	14	7	510
	5/15/2002	--	8.5	7.8	460
	11/20/2002	818.21	12.7	7.3	470
	5/20/2002	819.28	9.3	7.6	410
	11/13/2003	818.39	12.4	7.36	731

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-5	9/18/1985	--	--	7.5	585
	1/9/1986	824.7	--	5.8	604
	4/21/1986	825.8	--	8.5	484
	7/8/1986	824.9	--	7.8	525
	9/22/1986	827.3	--	7.5	480
	12/16/1986	826.1	--	7.1	660
	3/10/1987	824.9	--	7.5	1030
	6/23/1987	826.4	--	7.6	885
	12/10/1987	822.4	--	--	1350
	3/8/1988	827.2	--	--	614
	6/6/1988	823.62	--	--	576
	9/22/1988	822.2	--	--	556
	12/13/1988	825.4	--	--	442
	7/12/1989	824.85	--	--	428
	9/12/1989	821.9	--	--	501
	6/11/1990	820.88	--	--	570
	3/11/1991	824.9	--	--	465
	6/10/1991	826.37	--	--	605
	9/17/1991	827.47	17.2	7.5	470
	12/10/1991	827.01	10.6	7.3	320
	3/9/1992	828.44	7.3	7.3	440
	3/10/1992	825.7	--	7.4	440
	6/8/1992	826.68	8.4	7.4	360
	9/9/1992	826.24	16.1	7.4	440
	12/7/1992	825.74	11.2	7.5	320
	3/8/1993	824.77	7.9	7.1	380
	6/8/1993	826.55	9.3	7.4	380
	9/8/1993	827.7	16.1	7.5	350
	12/7/1993	827.8	11.7	7.24	400
	2/9/1994	826.89	6.1	7.43	450
	5/9/1994	829.14	10.8	7.24	330
	8/15/1994	828.74	19.5	7.33	410
	11/8/1994	829.66	11.8	7.1	380
	2/14/1995	824.7	8.2	7.39	440
	5/15/1995	828.98	9.9	7.18	490
	8/21/1995	827.37	19	7.33	450
	11/14/1995	825.81	12.2	7.38	430
	2/13/1996	825.91	9.6	7.42	480
	5/15/1996	826.59	8	7.6	600
	8/12/1996	830.8	10.8	7.17	380
	11/19/1996	827.23	14.7	7.4	560
	2/10/1997	827.19	7.6	7.4	500
	5/20/1997	827.89	7.8	7.4	500
	8/26/1997	831.81	14.2	7.3	360
	11/20/1997	824.83	14.4	7.5	350
	2/3/1998	824.53	9.3	7.4	380
	5/11/1998	830.28	16	7.2	400
	8/5/1998	832.19	22	7	830
	11/18/1998	826.91	12.5	7.6	410
	5/19/1999	829.12	12	7.5	390
	11/10/1999	829.69	9.9	7.3	400
	5/23/2000	826.29	12.3	7.1	440
	11/1/2000	823.23	17.2	47.1	540
	5/2/2001	825.77	8.8	7.5	620
	11/15/2001	824.23	12.1	6.8	340
	5/15/2002	828.59	--	7.8	470
	11/19/2002	826.70	--	7.4	450
	5/20/2003	830.37	13.3	7.7	420
	11/13/2003	831.06	8.7	7.33	447

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-6R	9/18/1985	--	--	7.9	73
	1/15/1986	828.7	--	8.6	175
	4/21/1986	829.1	--	8.6	213
	7/8/1986	828.8	13.7	7.45	597
	9/22/1986	828.9	--	6.4	130
	12/16/1986	829	--	6.2	100
	3/10/1987	827.9	--	6.3	570
	6/23/1987	827.9	--	6.3	131
	9/14/1987	827	--	6.2	137
	12/10/1987	826.4	--	--	111
	3/8/1988	826.7	--	--	145
	6/6/1988	827.07	--	--	161
	9/22/1988	826.9	--	--	163
	12/13/1988	827.3	--	--	144
	7/12/1989	827.4	--	--	75
	9/12/1989	821.57	--	--	202
	12/13/1989	825.8	--	--	175
	3/14/1990	825.67	--	--	227
	6/11/1990	827.1	--	--	145
	12/10/1991	828.22	9.9	6.4	120
	3/10/1992	827.8	8	6.3	100
	6/8/1992	828.64	8.4	6.7	110
	9/9/1992	827.5	10.5	5.7	120
	12/7/1992	828.82	9.6	6.3	140
	3/8/1993	828.36	7.8	6.1	140
	6/8/1993	830.06	9.8	6	120
	9/8/1993	830.76	11.2	6.3	88
	12/6/1993	829.67	9.8	6.34	80
	2/9/1994	828.85	8.2	6.32	81
	5/9/1994	830.02	7.5	6.21	92
	8/16/1994	830.15	11.5	6.12	110
	2/14/1995	828.43	8.6	6.13	120
	5/15/1995	828.53	9.5	6.05	160
	8/21/1995	829.22	12.5	5.98	170
	11/14/1995	829.29	11.3	6.07	170
	2/13/1996	828.64	8.6	6.22	150
	5/14/1996	829.52	7.7	5.84	150
	8/14/1996	830.46	11.2	6.29	110
	11/19/1996	828.99	9.7	5.8	98
	2/10/1997	828.17	8.1	6.2	120
	5/21/1997	829.19	7.9	5.9	130
	8/25/1997	828.61	11	6.4	110
	11/20/1997	827.93	11	6.7	210
	2/3/1998	826.94	8.6	6.8	140
	5/6/1998	828.9	8.3	6.5	130
	8/6/1998	828.84	11.5	6.6	110
	11/17/1998	828.29	11.9	6.6	110
	2/16/1999	827.75	9.3	6.4	710
	5/5/1999	825.75	8.8	6.2	110
	8/2/1999	828.01	11.3	7.2	75
	11/9/1999	826.95	12.5	6.4	83
	5/2/2000	826.75	10.1	6.4	110
	8/10/2000	827.8	11.9	6.3	92
	11/14/2000	827.59	11.8	6.4	100
	2/12/2001	826.73	9.3	6.6	100
	5/7/2001	828.65	8.3	6.3	80
	8/27/2001	828.54	12.2	6.2	76
	11/12/2001	827.97	12	6.3	80
	2/7/2002	827.24	9.8	6.7	69
	5/14/2002	828.64	8.5	6.4	79
	8/13/2002	828.2	11	6.5	68
	11/18/2002	827.36	11.7	6.1	110

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-7	9/18/1985	--	--	7.4	800
	1/9/1986	824.7	--	8.3	783
	4/21/1986	826.3	--	7.9	728
	7/8/1986	824.3	12.2	6.95	832
	9/22/1986	825.3	--	6.9	750
	12/16/1986	829	--	6.8	650
	3/10/1987	823.6	--	7.1	655
	6/23/1987	823.5	--	6.4	753
	9/14/1987	822.5	--	6.6	673
	12/10/1987	821.7	--	--	606
	3/8/1988	822.9	--	--	881
	6/6/1988	822.26	--	--	740
	9/22/1988	821.7	--	--	848
	12/13/1988	822.4	--	--	733
	7/12/1989	822.1	--	--	627
	9/12/1989	821.75	--	--	683
	12/13/1989	820.6	--	--	653
	3/14/1990	820.42	--	--	653
	6/11/1990	822.1	--	--	989
	3/11/1991	822.24	--	--	870
	6/10/1991	824.89	--	--	1510
	9/17/1991	823.36	11.6	7.1	760
	12/10/1991	823.2	10.1	7.2	980
	3/10/1992	822.4	7.8	6.9	820
	6/8/1992	823.52	8.7	7	1200
	9/9/1992	822.8	11.2	6.6	1400
	12/7/1992	823.93	11	6.8	480
	3/8/1993	826.01	9	6.9	690
	6/8/1993	825.95	9.1	6.6	640
	9/8/1993	827.05	10.4	6.5	960
	12/6/1993	825.62	11.2	7.07	900
	2/9/1994	824.61	9.1	7.19	850
	5/9/1994	826.12	7.4	6.64	100
	8/16/1994	826.3	12.6	6.57	1200
	5/15/1995	823.01	9.8	6.73	1500
	8/21/1995	824.72	15.7	6.5	1200
	11/14/1995	824.49	12.2	6.84	1000
	2/13/1996	823.21	9.7	7.23	740
	5/14/1996	824.49	8.5	6.79	3400
	8/14/1996	827.18	12.1	6.7	2400
	11/19/1996	825.03	12.2	6.9	1100
	2/10/1997	823.99	9	7.2	980
	5/21/1997	824.51	8.7	7.3	1600
	8/25/1997	824.33	11.3	7.9	1300
	11/20/1997	823.21	11.5	7.2	930
	2/3/1998	822.02	9.7	6.9	940
	5/6/1998	824.31	7.9	6.8	2400
	8/6/1998	824.46	12.2	6.7	1300
	11/17/1998	823.27	12.8	7	1500
	2/16/1999	822.19	10.7	7.3	1700
	5/5/1999	822.2	10.3	7.2	2500
	8/2/1999	822.98	12.6	7	2600
	11/9/1999	822.11	13.3	6.9	1300
	5/2/2000	821.05	10.1	6.8	2600
	8/10/2000	822.41	11.9	7.1	2000
	11/14/2000	821.98	11.6	7.2	1400
	2/12/2001	821.16	10.2	7.4	1500
	5/7/2001	823.06	9.5	7	3900
	8/27/2001	823.41	12.6	7	1800
	11/12/2001	822.4	12.5	7	1400
	2/7/2002	821.49	11.1	7.4	1500
	5/14/2002	822.72	9.8	7.4	3300
	8/13/2002	822.76	11.8	7	1800
	11/18/2002	822.17	13.2	6.8	2100

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-11	9/17/1991	822.65	14	7.6	350
	12/9/1991	822.71	9.7	7.5	380
	3/9/1992	822.27	6.8	7.3	380
	6/8/1992	823.03	8.6	7.7	370
	9/9/1992	822.35	11.4	7.4	370
	12/7/1992	823.32	9.8	7.4	280
	3/8/1993	821.62	7.9	7.8	360
	6/8/1993	824.85	9.2	7.6	420
	9/8/1993	826.09	11.5	7.6	460
	12/7/1993	824.66	9.3	7.28	450
	2/9/1994	824.01	7.8	7.51	450
	5/9/1994	825.65	7.8	7.59	390
	8/15/1994	825.5	12.2	7.59	460
	11/8/1994	825.51	11.9	7.48	440
	2/14/1995	823.01	8.3	7.5	430
	5/15/1995	823.11	8.3	7.53	450
	8/21/1995	824.71	113.3	7.57	260
	11/14/1995	823.83	11.3	7.58	420
	2/13/1996	822.82	8.2	7.7	380
	5/15/1996	824.05	7.7	7.89	410
	8/12/1996	826.66	11.7	7.73	420
	11/19/1996	824.03	10.5	7.7	400
	2/10/1997	823.41	8.2	6.8	430
	5/20/1997	823.9	8.1	7.5	420
	8/26/1997	823.63	11.2	7.8	420
	11/20/1997	822.61	10.6	7.6	390
	2/3/1998	821.53	8.6	7.5	420
	5/11/1998	824	9.1	7.4	410
	8/5/1998	824.16	11.7	7.2	420
	11/18/1998	823.16	11.9	7.7	450
	5/19/1999	822.7	10.1	7.7	470
	11/10/1999	821.98	12.2	7.6	460
	5/23/2000	822.08	11.3	7.1	500
	11/1/2000	821.98	13.1	7.1	570
	5/2/2001	822.98	8.9	7.4	450
	11/15/2001	822.16	13.2	7.1	430
	5/15/2002	823.13	9.5	7.6	470
	11/19/2002	--	11.2	7.3	410
	5/20/2003	823.06	7.7	7.6	520
	11/12/2003	821.77	10.7	7.43	451

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-11A	9/17/1991	823.07	11.5	7.3	560
	12/9/1991	823.18	9.6	7.3	570
	3/9/1992	822.41	8.6	7.3	600
	6/8/1992	823.49	9.5	7.1	620
	9/9/1992	822.69	9.5	6.9	620
	12/7/1992	823.96	9.6	7.1	610
	3/8/1993	823.01	9.2	6.8	620
	6/8/1993	825.62	9.7	7.1	590
	9/8/1993	827.17	9.6	7.2	640
	12/7/1993	825.54	9.4	7.12	650
	2/9/1994	824.58	8.8	7.14	660
	5/9/1994	826.22	9.1	7.14	640
	8/15/1994	826.08	9.8	7.12	720
	11/8/1994	825.89	9.6	7.03	660
	2/14/1995	823.37	8.7	7.16	590
	5/15/1995	823.36	9.6	7.12	620
	8/21/1995	824.47	11.3	7.16	670
	11/14/1995	824.22	9.6	7.11	640
	2/13/1996	823.14	9.4	7.2	610
	5/15/1996	824.47	8.3	7.36	640
	8/12/1996	827.21	9.9	7.2	690
	11/19/1996	824.71	9.3	7.1	660
	2/10/1997	823.77	9.2	7.6	670
	5/20/1997	823.9	8.1	7.5	420
	8/26/1997	824.1	9.8	7.1	660
	11/20/1997	822.88	9.3	7.4	580
	2/3/1998	821.72	9.3	7.1	620
	5/11/1998	824.34	9.6	7.1	640
	8/5/1998	824.43	9.8	6.7	580
	11/18/1998	823.3	10	7.4	610
	5/19/1999	822.59	11.6	7.1	630
	11/10/1999	822.13	10.1	7.3	530
	5/23/2000	821.76	10.4	7.1	600
	11/1/2000	822.01	12.6	7.1	550
	5/2/2001	822.91	9.7	7.3	570
	11/15/2001	822.23	10.9	6.7	540
	5/15/2002	823.1	10.1	7.6	650
	11/19/2002	822.20	10.1	7.1	590
	5/20/2003	822.82	9.8	6.9	630
	11/12/2003	821.94	10.1	6.46	634

Table 7
Summary of Field Data
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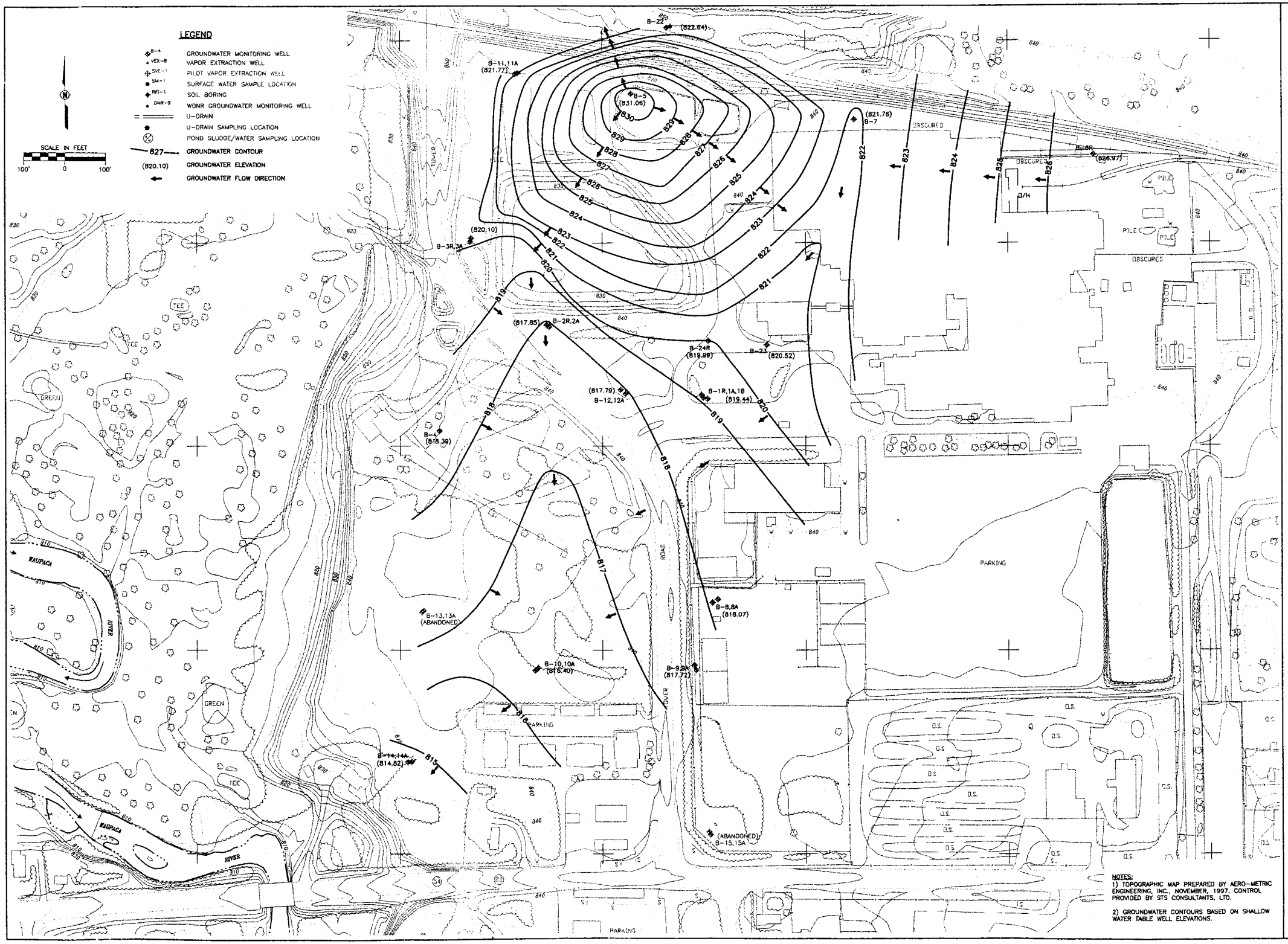
		Elevation	Temp	pH	Conductivity
B-12	12/10/1991	818.16	9.3	7.4	560
	3/10/1992	817.86	9	7.3	680
	6/9/1992	818.62	9.6	7.2	630
	9/9/1992	818.07	10.4	7.1	680
	12/9/1992	818.7	8.8	7.4	440
	3/8/1993	818.31	9.2	6.9	360
	6/9/1993	820.03	9.8	7	720
	9/8/1993	821.23	9.6	7.2	470
	12/8/1993	819.97	10	7.11	870
	2/11/1994	819.27	4.7	7.04	1100
	5/9/1994	820.28	10	7.18	480
	8/16/1994	821.49	9.8	7.25	470
	11/8/1994	821.62	16	7.33	450
	2/15/1995	818.51	12.2	7.31	430
	5/15/1995	817.96	12	7.18	620
	8/21/1995	819.77	11.2	6.99	500
	11/14/1995	819.15	13.2	7.17	460
	2/13/1996	817.97	12.6	7.4	370
	5/15/1996	818.66	11.9	7.16	560
	8/12/1996	822.11	11.1	7.41	440
	11/19/1996	820.3	16.1	7.3	440
	2/11/1997	819.45	13.6	7.4	450
	5/20/1997	819.45	10.2	7	640
	8/5/1998	820.74	19.5	7.1	430
	11/18/1998	820.03	10.5	7.5	460
	5/20/1999	818.75	10	6.9	610
B-12A	12/10/1991	818.21	9.5	7.6	550
	3/10/1992	817.72	9.6	7.2	580
	6/9/1992	818.38	9.7	7.4	450
	9/9/1992	817.86	9.7	7.2	460
	12/8/1992	818.54	9.3	7.5	440
	3/9/1993	818.05	9.5	7.2	380
	6/9/1993	819.89	10.1	7.4	440
	9/8/1993	820.93	9.5	7	340
	12/8/1993	819.72	9.8	6.67	420
	2/11/1994	819.09	9.8	7.3	390
	5/9/1994	820.04	10.3	7.48	440
	8/16/1994	820.92	10.2	7.11	480
	11/8/1994	821.06	16.1	7.23	450
	2/15/1995	818.3	12.8	7.13	430
	5/15/1995	817.93	11.9	7.41	470
	8/21/1995	819.37	10.9	7.03	490
	11/14/1995	818.91	12	6.78	380
	2/13/1996	817.93	12	7.45	510
	5/15/1996	818.6	12	7.45	520
	8/12/1996	821.69	11.9	7.24	430
	11/19/1996	819.9	16	6.9	380
	2/11/1997	819.16	5.6	7.1	430
	5/20/1997	819.15	10.4	6.8	530
	8/5/1998	820.39	11.9	7	500
	11/18/1998	819.2	12.6	7.6	510
	5/20/1999	818.12	11.9	7.4	520

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-12AR	11/11/1999	818.21	11.4	7.3	470
	5/23/2000	817.99	12.2	7.2	520
	11/2/2000	818.02	12.6	7.1	520
	5/2/2001	818.32	12.2	7.5	640
	11/16/2001	818.08	11.8	7.2	480
	5/15/2002	818.35	11.3	7.9	570
	11/20/2002	817.93	11.1	7.4	700
	5/20/2003	818.20	11	7.2	640
	11/12/2003	817.74	10.7	7.16	615
B-12R	11/11/1999	819.16	14.4	6.9	470
	5/23/2000	818.86	11.3	7.1	470
	11/2/2000	818.05	13.5	6.9	380
	5/2/2001	818.59	11.6	7.4	440
	11/16/2001	818.06	12	7.1	380
	5/15/2002	818.51	10.8	7.6	400
	11/20/2002	817.98	12.6	7	410
	5/20/2003	818.19	9.1	7.2	550
	11/12/2003	817.79	13.6	7.09	564
B-21A	6/7/1993	827.07	11	7.5	460
	9/9/1993	827.98	10.1	7.6	460
	12/6/1993	826.45	9.6	7.5	460
	2/9/1994	825.27	7.2	7.57	460
	5/9/1994	826.51	8.1	7.4	460
	8/15/1994	826.95	12.5	7.34	470
	11/8/1994	826.3	9	7.27	470
	2/14/1995	824.06	9	7.25	450
	5/15/1995	824.03	9.7	7.27	450
	8/21/1995	825.25	10.3	7.27	490
	11/14/1995	825.48	9.1	7.02	440
	2/13/1996	824.24	9.1	7.33	420
	5/15/1996	825.71	9	7.3	460
	8/12/1996	827.73	10.2	7.38	470
	11/19/1996	825.15	9.8	7.2	450
	2/10/1997	824.42	8.6	7.5	460
	5/20/1997	825.24	9.5	6.6	470
	8/26/1997	825.04	9.8	7.5	440
	11/20/1997	823.98	9.8	7.4	410
	2/3/1998	822.71	8.6	7	430
	5/11/1998	825.06	9.8	7	450
	8/5/1998	825.14	10.2	7.4	440

Table 7
Summary of Field Data
Waupaca Foundry Sludge Lagoon

		Elevation	Temp	pH	Conductivity
B-21R	12/10/1991	823.11	9.8	7.4	1000
	9/9/1992	823.66	--	--	--
	12/7/1992	824.93	9.6	6.9	780
	6/7/1993	831.5	12.4	6.1	130
	9/9/1993	831.69	13.5	6.2	150
	12/6/1993	830.77	9.2	6.31	94
	2/9/1994	829.93	6.5	6.16	100
	5/9/1994	831.38	7.2	6.2	99
	8/15/1994	831.13	9.8	5.9	89
	11/8/1994	830.55	11.1	5.8	110
	2/14/1995	829.35	7	5.97	110
	5/15/1995	829.93	9.8	5.91	98
	8/21/1995	830.72	13.1	5.92	110
	11/14/1995	830.55	11.1	5.63	140
	2/13/1996	830.07	7	5.96	92
	5/15/1996	831.2	6.6	5.91	100
	8/12/1996	831.66	12.9	6	98
	11/19/1996	--	9.8	5.8	120
	2/10/1997	--	6.9	6	100
	5/20/1997	--	7.9	6	840
	8/26/1997	--	12.7	6.2	120
	11/20/1997	--	10.7	6.5	110
	2/3/1998	--	7.1	6.8	100
	5/11/1998	--	8.7	6.5	120
	8/5/1998	--	13.3	6.4	79
MW-21AR	11/10/1999	827.79	10.5	8	740
	5/23/2000	829.51	11	8	620
	11/1/2000	828.86	12.5	7.4	550
	5/2/2001	830.06	10.6	7.5	510
	8/28/2001	822.45	12.1	8	470
	11/12/2001	820.29	11.5	7.8	460
	11/15/2001	829.18	12.3	7.1	480
	2/8/2002	819.11	11.7	7.8	460
	5/14/2002	821.27	10.8	8.2	450
	5/15/2002	830.9	10.1	7.7	460
	8/14/2002	820.77	12.2	7.6	440
	11/18/2002	816.97	13.1	7.5	430
	11/19/2002	823.26	10.9	6.8	440
	5/20/2003	823.16	9.8	7.5	440
	11/12/2003	823.52	10.8	7.43	466
MW-21RR	11/10/1999	823.04	10.58	8	740
	5/23/2000	803.05	10.2	7.2	120
	11/1/2000	822.76	14.1	7.4	380
	5/2/2001	824.17	8.2	7.8	98
	8/28/2001	819.12	15.3	7.7	440
	11/12/2001	817.6	16.4	7.5	550
	11/15/2001	823.71	14.2	7.2	280
	2/8/2002	816.34	11.5	7.5	500
	5/14/2002	817.58	8.6	7.7	570
	5/15/2002	824.28	8.1	7	300
	8/14/2002	817.63	12.1	7.4	820
	11/18/2002	819.82	16.3	7.6	470
	11/19/2002	828.38	12.6	6.6	260
	5/20/2003	829.64	7.5	6.6	130
	11/12/2003	828.37	13.4	6.86	294



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WAUPACA FOUNDRY PLANTS 2/3
SLUDGE LAGOONS CLOSURE
WAUPACA, WISCONSIN
GROUNDWATER CONTOUR MAP (NOVEMBER 2003)

Issued

Rev	Date	Description

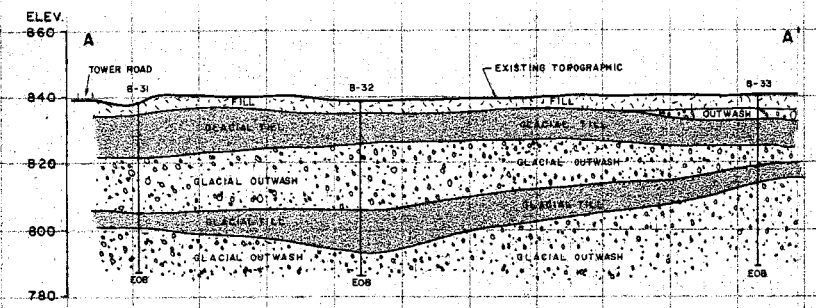
Designed: PLE 5/13/2004
Drawn: DJM 5/13/2004
Checked:
Approved:

PROJECT NUMBER
17559XA

SHEET REFERENCE NUMBER
CLOSURE-3B

PROJECTS\17559XA\17559XF_WAUPACA_GWCONT_038.dwg, Plot: 05/13/2004 01:06:27 PM, mkuhn

GEOLOGIC CROSS-SECTION A-A'



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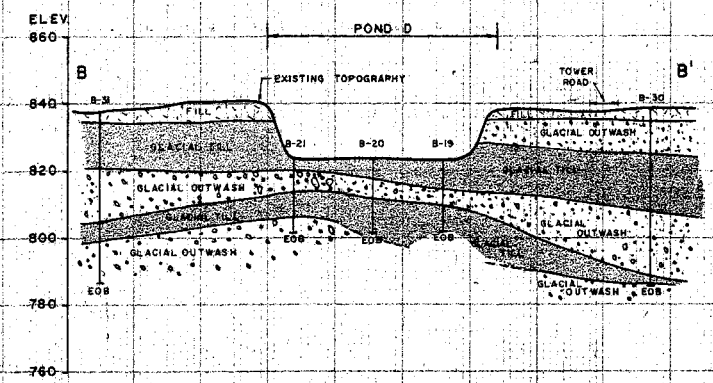

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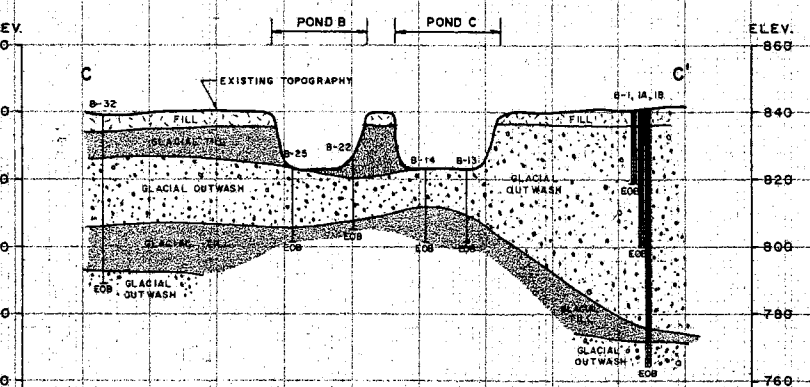
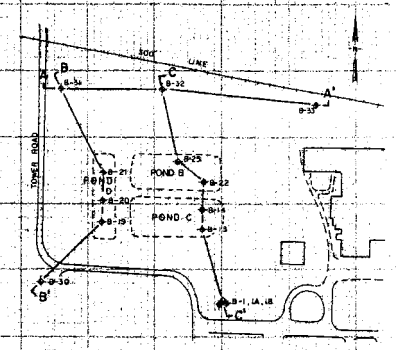




CROSS-SECTION INDEX
NOT TO SCALE

KEY

SYMBOL	DESCRIPTION
	FILL- SILTY SAND TOPSOIL WITH CINDER
	GLACIAL TILL - CLAY, SILT, AND CLAYEY SANDS
	GLACIAL OUTWASH - SANDS, SILTY SANDS AND GRAVELS

SCALE: 1" = 100' HORIZONTAL
1" = 20' VERTICAL
5X VERTICAL EXAGGERATION

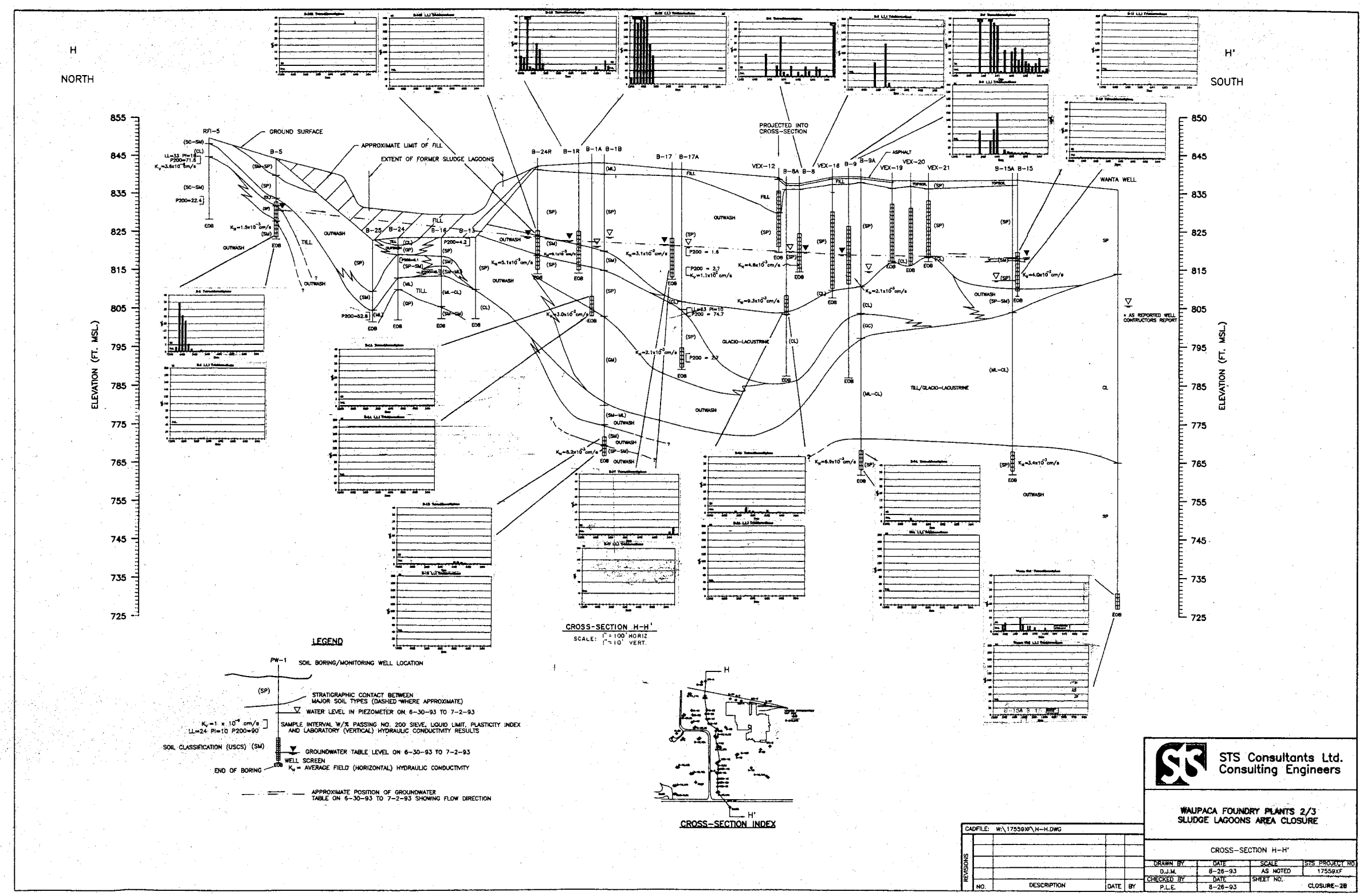
NO.	DESCRIPTION	DATE	BY

STS Consultants Ltd.
Consulting Engineers

PROJECT/CLIENT:
WAUPACA FOUNDRY PLANTS 2/3
SLUDGE LAGOONS AREA CLOSURE

GEOLOGIC CROSS-SECTIONS

DRAWN BY	J.J.T.	5-1-87	SCALE: AS NOTED	FIGURE NO.
CHECKED BY				
APPROVED BY	J.M.S.	5-1-87	STS DRAWING NO.	CLOSURE-2A



STS Consultants Ltd.
Consulting Engineers

WAUPACA FOUNDRY PLANTS 2/3
SLUDGE LAGOONS AREA CLOSURE

CROSS-SECTION H-H'

DRAWN BY	DATE	SCALE	STS PROJECT NO.
D.J.M.	8-26-93	AS NOTED	17559XF
CHECKED BY	DATE	SHEET NO.	
P.L.E.	8-26-93		CLOSURE-2B

CADFILE: W:\17559XF\H-H.DWG

REVISIONS			
NO.	DESCRIPTION	DATE	BY

STATEMENT OF VERIFICATION

As required by s. NR 726.05(3)f of the Wisconsin Administrative Code, I am providing this signed statement that to the best of my knowledge the legal description that is attached to this statement is complete and accurate for ThyssenKrupp Waupaca Inc. (formerly Waupaca Foundry) property located at 311 Tower Drive, Waupaca, Wisconsin.

X _____ 02-04-05
(Signature) (Date)

JAMES R LARSON
(Name)

EXECUTIVE VICE PRESIDENT
(Title)

THYSSENKRUPP WAUPACA INC
(Company)