Pelczar

GIS REGISTRY INFORMATION

SITE NAME: Fort James - Transformer Site

BRRTS #: 02-71-227639

CLOSURE DATE: 03/18/2002

STREET ADDRESS: 258 river street

CITY: Menasha

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

OFF-SOURCE CONTAMINATION (>ES): ☐ Yes ☒ No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 2:

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 3:

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 4:

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

IF YES, STREET ADDRESS 5:

GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: ☐ Yes ☒ 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	
County Parcel ID number, *if used for county*, for all affected properties	X
Location Map which outlines all properties within contaminated site boundaries in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy)	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", i paper copy)	
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if available from site investigation (SI)* (8.5x14" if paper copy*)*. The isoconcentration map should have flow direction and extent of contamination defined. **If not available, include the following 2 types of maps:**	
Latest groundwater flow/monitoring well location map	
Latest extent of contaminant plume map	X
Geologic cross-sections, *if available from SI.* (8.5x14' if paper copy)	X

GWUSE Restriction GIS 2/13/02 version 3

File

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ronald W. Kazmierczak, Regional Director

Oshkosh Service Center
625 E. County Rd Y, Suite 700
Oshkosh , Wisconsin 54901-9731
Telephone 920-424-3050
FAX 920-424-4404

March 12, 2001

Mr. A. J. Moody
Fort James Corporation
6802 Paragon Place, Suite 400
Richmond, VA. 23230

SUBJECT: Case Closure of Fort James Canal Plant – PCB Transformer Area E, Menasha, Wisconsin
WDNR BRRTS #(02-71-227639)

Dear Mr. Moody:

On March 1, 2001, the above-named site was reviewed by the Bureau for Remediation and Redevelopment's Northeast Region Closure Committee to determine whether the case qualified for closeout under ch. NR 726, Wis. Adm. Code. This panel reviews environmental remediation cases for compliance with state laws, standards, and guidelines to maintain consistency in the closeout of cases. The committee has agreed to close this site pending the completion and filing of a groundwater use restriction. This groundwater use restriction will state that inaccessible groundwater contamination may remain at this site and that additional remedial action is not feasible at this time. The document would be placed in the file with the deed running with the property.

Only when the groundwater use restriction has been finalized and filed with Winnebago County and proof of filing the groundwater use restriction has been received by the Department, can this site be closed.

To expedite the completion of the groundwater use restriction and closure process, the Department requests that you submit the following:

- a complete, legible and unabbreviated legal description of the property
- a copy of the most recent deed for your property
- available maps, such as a survey map, showing the property boundaries, building outlines and monitoring well locations

If you do not have these documents they can be obtained from the Winnebago County Register of Deeds. Once this information is received, the Department will send you a draft copy of the groundwater use restriction containing language regarding the remaining PCB contamination. If the draft is accurate and acceptable, please sign it, file it with the Register of Deeds office and return a copy of the signed and filed restriction to the Department for our records. The Department must also receive documentation of proper abandonment of monitoring wells 1, 2, 8 and temporary wells GP-22, 27, 28 and 29 within 60 days from the date of this letter, in accordance with NR 141. If you plan on using these wells for further sampling related to the other investigations on site, please submit a written request to this office with your intentions. Once all this information is received, the site will be conditionally closed.

This groundwater use restriction is an option that the Department can offer in order to conditionally close this site. If you choose not to accept this option you will need to perform additional investigation and cleanup of the remaining contamination. Within **14 days** of receipt of this notice please submit a letter to the Department documenting your intentions.

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.

Thank you for your cooperation and cleanup efforts during this process. If you have any questions regarding this letter, please contact me at (920) 303-5447.

Sincerely,

Jennie Pelczar

Jennie Pelczar
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Janis Kesy – Foth and Van Dyke
~~Jonathon Wright~~ – Pechiney Plastic Packaging – Dave Ellison
NER - File

Document Number

SPECIAL WARRANTY DEED

Document Title

1093503

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

05-04-2000 10:04 AM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 16.00
TRANSFER FEE 165.00
OF PAGES 4

Recording Area

Name and Return Address
Pechiney Plastic Packaging, Inc.
Mail Suite 06H
8770 West Bryn Mawr Ave.
Chicago, IL 60631-3542

703-0910

Parcel Identification Number (PIN)

5022610

This information must be completed by submitter: document title, name & return address, and PIN (if required). Other information such as the granting clauses, legal description, etc. may be placed on this first page of the document or may be placed on additional pages of the document. Note: Use of this cover page adds one page to your document and $2.00 to the recording fee. Wisconsin Statutes, 59.517 WRDA 2/94

This Instrument Drafted By:
McGuire, Woods, Battle & Boothe LLP
901 East Cary Street
Richmond, VA 23219

PARCEL ID NUMBER:
3 910

SPECIAL WARRANTY DEED

This Special Warranty Deed is made as of February 18, 2000 between **FORT JAMES OPERATING COMPANY**, a Virginia corporation, formerly **JAMES RIVER PAPER COMPANY, INC.** ("Grantor") and **PECHINEY PLASTIC PACKAGING, INC.**, a Delaware corporation ("Grantee").

Grantor, for $10.00 and other good and valuable consideration, hereby grants, bargains, sells and conveys to Grantee with Special Warranty of Title, the property located in the City of Menasha, Winnebago County, Wisconsin, more fully described on Exhibit A attached hereto and made a part hereof (the "Property").

Grantor will warrant and defend the right and title to the Property unto Grantee against the lawful claims of all persons claiming by, through, or under Grantor and against no others.

This conveyance is subject to all easements, conditions and restrictions of record insofar as they may lawfully affect the Property hereby conveyed.

FORT JAMES OPERATING COMPANY,
a Virginia corporation

BY: _____

NAME: CA CUTCHINS IV
[Print or Type Name]

TITLE: SR V.P.
[Print or Type Title]

STATE OF Virginia

~~CITY~~/COUNTY OF Henrico

March ~~February,~~ The foregoing instrument was acknowledged before me this 1st day of 2000 by Clifford A. Cutchins IV as SVP Secretary of Fort James Operating Company, a Virginia corporation, on behalf of the corporation.

Christine W. Hale (SEAL)
Notary Public

Name: Christine W. Hale
[Print or Type Name]

My Commission expires: 11-30-2001

WHEN RECORDED RETURN TO:

Pechiney Plastic Packaging, Inc.
Mail Suite 06H
8770 West Bryn Mawr Avenue
Chicago, Illinois 60631-3542

Document Number

GROUNDWATER USE RESTRICTION

1164763

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

01-16-2002 09:28 AM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE 19.00
TRANSFER FEE
OF PAGES 5

Declaration of Restrictions

In Re: The property described in Exhibit A hereby attached and made a part of this restriction.

Recording Area

Name and Return Address

Philip R. Brochocki
Foth and VanDyke
2737 South Ridge Rd
Green Bay, WI 54307

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO

703-0910

Parcel Identification Number (PIN)

WHEREAS, **Pechiney Plastic Packaging INC., a Delaware corporation**, is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. . Benzo(a)Pyrene, Benzo(b)fluoranthene, and Sulfate-contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement standards existed on this property. Sulfate in Monitoring well 1 (MW-1) at (270 milligrams per liter) and MW-9 (460 mg/l) on 1-12-2001; Benzo(a)Pyrene in MW-4 (2.3 micrograms per liter (ug/l)) and MW-5 (2.8 ug/l) on 7-11-2001; Benzo(b)fluoranthene in MW-4 (2.1 ug/l) and MW-5 (1.2 ug/l) on 7-11-2001; Chrysene in MW-4 (1.2ug/l) on 7-11-2001. Location of the monitoring wells is provided on Exhibit B attached and made part of this restriction.

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

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

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

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

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

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

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

By signing this document, Mike J. Hoover asserts that he/she is duly authorized to sign this document on behalf of Pechiney Plastic Packaging, Inc.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 26th day of DECEMBER, 2001.

Signature: _____
Printed Name: Mike J. Hoover
Title: Vice President, General Counsel & Secretary

Subscribed and sworn to before me
this 26th day of December, 2001.

_____

OFFICIAL SEAL
SUSAN L RUSZKOWSKI
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES:07/26/05

Notary Public, State of ILLINOIS

My commission 7/26/05

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by Foth & Van Dyke.

Exhibit A

That part of Lots One (1) thru Seventeen (17) and Twenty-four (24) thru Forty-one (41) and part of Lots Eighteen (18), Twenty-two (22) and Twenty-three (23), Block Forty-nine (49), and part of the Reservation, Two Additions to the Village of Menasha, Section 22, Township 20 North, Range 17 East, City of Menasha, Winnebago County, Wisconsin, more fully described as follows:

Commencing at the Northerly most corner of Lot 20, said corner being the intersection of the Southerly line of Canal Street and the Easterly line of Lush Street; thence S53°37'25"E along the Northerly line of Block 49 of said Subdivision, 150.00 feet to corner of Lot 17 and the point of beginning; thence continuing S53°37'25"E along the said Northerly block line and block line extended 1050.00 feet; thence S29°44'15"W, 48.81 feet to a point on the Northerly line of River Street; thence N76°47'24"W, along the Southeasterly line of Block 49 and said block line extended, 547.81 feet; thence N53°37'25"W along the Southerly line of Block 49, 400.00 feet to the Easterly line of Lot 23; thence N35°56'25"E along the Easterly line of said Lot 23, 30.00 feet; thence N5ß°37'25"W, 100.00 feet, to the West line of Lot 22; thence N35°56'25"E along the Westerly line of said Lot 22, 18.59 feet; thence along the arc of a curve to the right 171.72 feet crossing thru the common corner of Lots 18, 19, 22 and 23, said curve has radius of 443.40 feet and a central angle of 22°11'20", with a chord of 170.64 feet which bears N71°48'51"E to the Westerly line of Lot 17; thence N35°56'25"E along the Westerly line of said Lot 17, 76.38 feet to the point of beginning.

Together with that portion of vacated Canal Street lying immediately adjacent to a portion of the above described property, as vacated by resolution R-6-83 and recorded February 28, 1983 as Document No. 586523.

Tax Key No. 703-0910

SOURCE: U.S.G.S. 7.5-MINUTE TOPOGRAPHIC QUADRANGLE - NEENAH (1984) WINNEBAGO COUNTY, WISCONSIN

N W E S

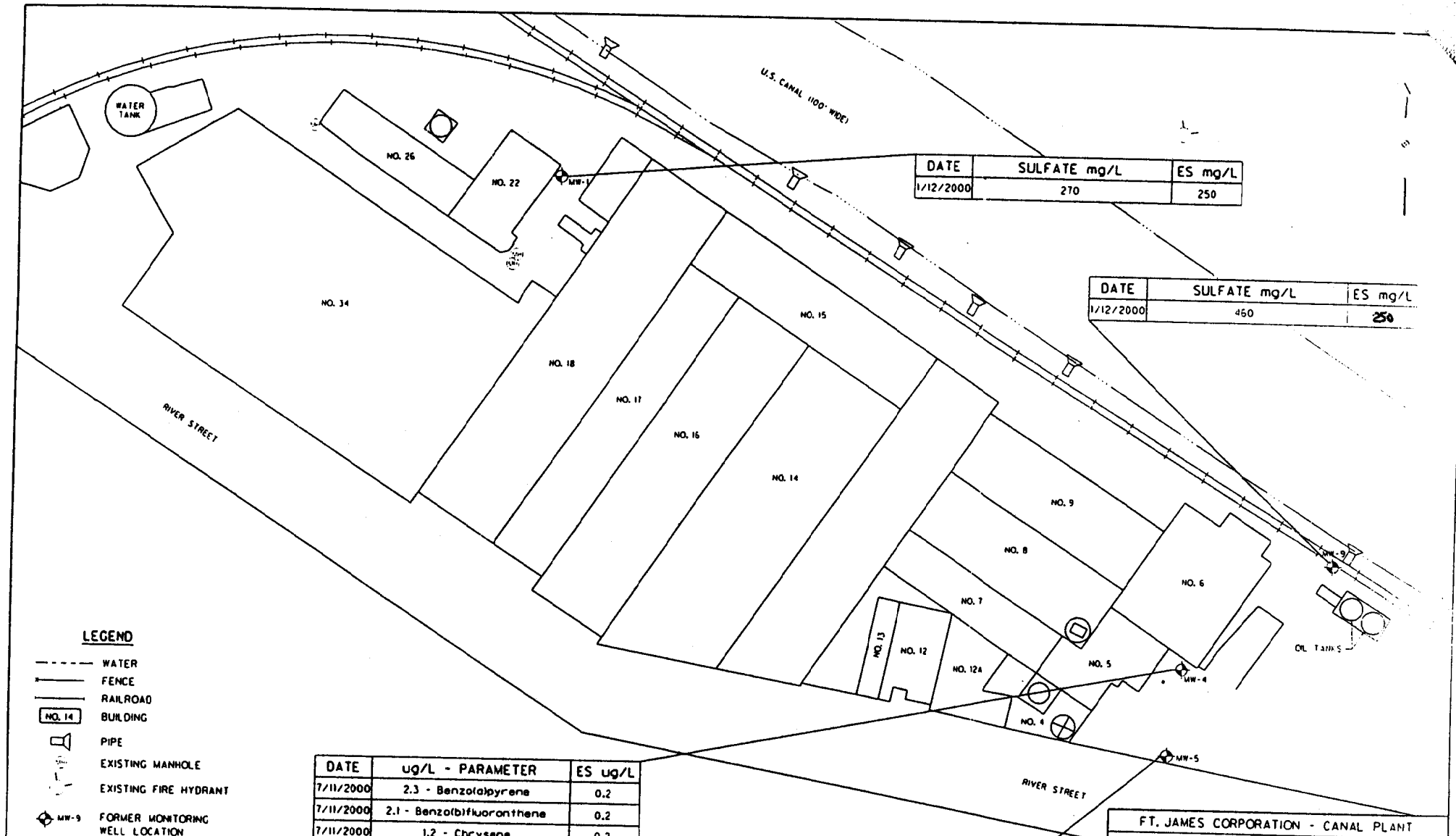
0 600 1200 1800 2400 3000 Feet

FORT JAMES CORPORATION

FIGURE 2-1

SITE LOCATION MAP

Scale: AS SHOWN	Date: AUGUST 18, 1999	
Prepared By: Foth & Van Dyke	By: DAT	98F006



DATE	SULFATE mg/L	ES mg/L
1/12/2000	270	250

DATE	SULFATE mg/L	ES mg/L
1/12/2000	460	250

DATE	ug/L - PARAMETER	ES ug/L
7/11/2000	2.3 - Benzo(a)pyrene	0.2
7/11/2000	2.1 - Benzo(b)fluoranthene	0.2
7/11/2000	1.2 - Chrysene	0.2

DATE	ug/L - PARAMETER	ES ug/L
7/11/2000	2.8 - Benzo(a)pyrene	0.2
7/11/2000	1.2 - Benzo(b)fluoranthene	0.2

FT. JAMES CORPORATION - CANAL PLANT

FIGURE 1

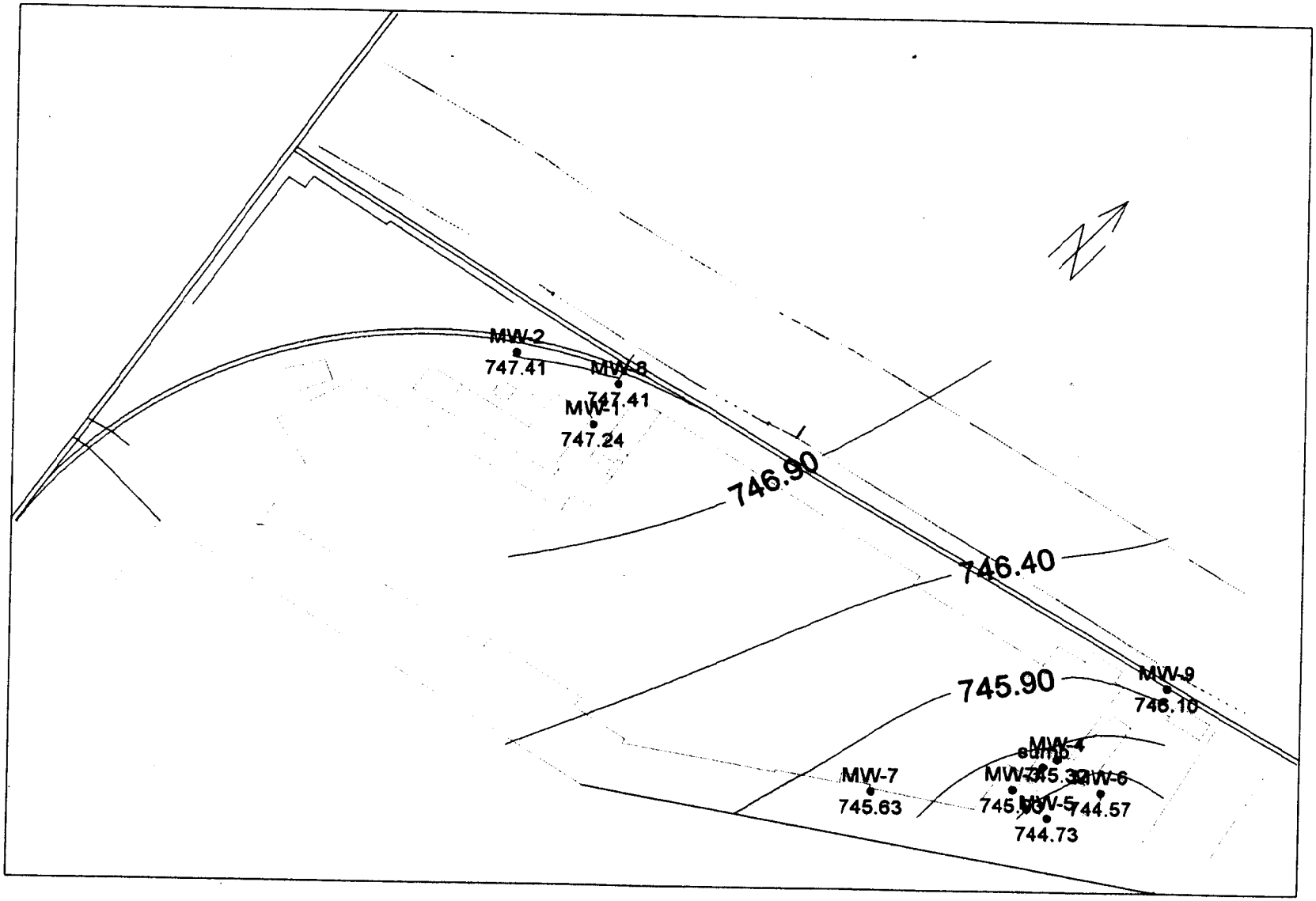
ENFORCEMENT STANDARD EXDEEDANCE LOCATIONS

Scale: 0 30' 60' | Date: SEPTEMBER, 2001

Prepared By: Foth & Van Dyke | By: DAT | 99F004

I:\99F004\9F04f16.dgn 10/05/2001 10:53:19 AM

Fort James
Canal Plant - Menasha
July 2000 Groundwater Elevation
Figure 3



Note: groundwater contours do not take into account water level in canal

0.00 200.00 400.00 600.00 800.00

j:\scopes\99f004\surfer\7_00gwel.srf

Foth & Van Dyke

Table 5-3

Geochemical Indicators
Fort James Canal Plant
Menasha, Wisconsin

Well I.D.	Area	pH s.u.	Conductivity @ 25°C µmohs	Temperature °C	Dissolved Oxygen mg/l	Redox mv	Ferrous Iron mg/l	Sulfate mg/l	Nitrate mg/l
MW-3	A								
11/22/99		7.32	1373	16.88	1.4	170	0.000	130	0.12
1/12/00		7.25	1259	15.17	1.37	157	0.047	110	0.034
7/11/00		7.40	1268	16.12	0.89	137	0.089	NS	NS
MW-4	A								
11/22/99		7.42	809.4	16.83	3.44	149	0.394	14	<0.030
1/12/00		7.45	861.9	15.11	2.09	151	0.286	14	0.036
7/11/00		7.45	859.7	16.17	1.79	137	0.033	NS	NS
MW-5	A								
11/22/99		7.08	5908	15.68	2.43	271	3.099	73	0.13
1/12/00		7.22	5551	11.62	2.11	275	1.643	69	0.59
7/11/00		7.38	5620	12.91	1.86	256	0.184	NS	NS
MW-6	A								
11/22/99		6.82	5306	16.24	2.08	229	1.244	140	0.13
1/12/00		7.11	5211	12.07	2.04	232	0.051	130	0.058
7/11/00		7.21	5113	12.67	1.95	241	0.000	NS	NS
SUMP	A								
11/22/99		NS	NS	NS	NS	NS	NS	NS	NS
1/12/00		7.26	801.7	14.67	1.66	180	0	8.1	1.2
7/11/00		7.30	857.6	15.28	0.87	177	0.017	NS	NS

Table 5-3 *(Continued)*

Well I.D.	Area	pH s.u.	Conductivity @ 25°C µmohs	Temperature °C	Dissolved Oxygen mg/l	Redox mv	Ferrous Iron mg/l	Sulfate mg/l	Nitrate mg/l
MW-2	B								
11/22/99		6.62	2782	13.63	2.50	265	2.541	50	0.095
1/12/00		6.97	2644	10.04	2.01	287	1.727	34	<0.030
7/11/00		7.08	2727	14.78	2.17	255	6.915	NS	NS
MW-7	C								
11/22/99		7.28	1442	16.54	2.27	256	0.000	67	0.25
1/12/00		7.30	1347	14.91	2.22	269	0.087	100	1.3
7/11/00		7.30	1242	14.98	2.01	260	0.124	NS	NS
MW-9	D								
11/22/99		7.22	911.3	14.46	2.30	204	0.000	180	0.035
1/12/00		7.30	867.3	9.44	2.04	205	0.554	460	<0.030
7/11/00		7.33	831.9	11.13	1.95	186	0.077	NS	NS
MW-1	E								
11/22/99		6.73	2151	15.46	2.05	233	0.957	330	0.06
1/12/00		6.77	2006	14.07	1.65	200	0.29	270	<0.030
7/11/00		6.98	2044	15.22	0.98	197	3.139	NS	NS
MW-8	E								
11/22/99		7.01	768.7	13.11	1.66	218	0.019	22	<0.030
1/12/00		7.07	738.2	9.17	1.70	204	0.151	25	0.053
7/11/00		7.31	756.6	11.42	1.54	197	0.158	NS	NS
PAL/ES		NE	NE	NE	NE	NE	NE	125/250	2/10

NS	Not Sampled
180	PAL Exceedance
460	ES Exceedance
NE	Not Established

Prepared by: SDJ
Checked by: PRB

LMC\J:\scopes\99f004\t-geochemical indicators.wpd\10000

Table 5-2 *(Continued)*

Location	Area	MTBE µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Total Xylenes µg/l	1,3,5-TMB µg/l	1,2,4-TMB µg/l	Naphthalene µg/l	Acenaphthene µg/l	Acenaphthylene µg/l	Anthracene µg/l	Benzo(a) Anthracene µg/l	Benzo(a) Pyrene µg/l	Benzo(b) fluoranthene µg/l	Benzo(g,h,I) perylene µg/l	Benzo(k) fluoranthene µg/l	Chrysene µg/l	Dibenzo(a,h) anthracene µg/l	Fluoranthene µg/l	Flourene µg/l	Phenanthrene µg/l	Pyrene µg/l	Lead µg/l
MW-2	B																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	<0.11	0.19	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.08	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
7/11/00		2.4	2.0	2.0	2.1	3.4	2.0	2.2	<0.034	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
WS-GP-22	B																							
5/15/00		<0.47	<0.50	<0.52	<0.54	<1.0	<0.52	<0.55	<0034	<0.026	<0.073	<0.023	<0.042	<0.016	<0.023	<0.031	<0.023	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
MW-7	C																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	0.74	0.059	0.049	<0.073	0.075	0.17	0.16	0.13	0.3	0.072	0.19	<0.022	0.22	0.054	0.25	0.4	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	2.2	1.2	<0.073	0.19	0.16	0.20	0.16	0.2	0.063	0.16	<0.022	0.22	0.42	0.48	0.42	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.034	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
MW-9	D																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	<0.11	0.19	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	<1.4
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.080	<0.026	0.16	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	0.045	<0.066	<0.025	<1.4
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.034	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
WS-GP-26	D																							
5/16/00		<0.94	3.6	<1.0	6.8	5.5	<1.0	<1.0	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
MW-1	E																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	<0.11	0.23	<0.026	<0.073	<0.023	<0.042	0.064	<0.023	<0.031	0.048	<0.023	<0.022	0.078	ND	0.098	0.093	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	0.88	<0.55	<0.52	<0.026	<0.073	<0.023	<0.042	<0.016	<0.023	<0.031	<0.028	0.028	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
7/11/00		2.7	2.3	2.4	2.6	6.7	3.3	3.3	<0.034	<0.026	<0.073	<0.023	<0.042	<0.016	<0.023	<0.031	<0.028	<0.028	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
MW-8	E																							
11/22/99		<0.23	<0.12	0.17	<0.13	<0.22	<0.14	0.15	0.25	<0.026	<0.073	0.042	<0.042	<0.023	<0.023	<0.031	0.047	0.052	<0.022	0.08	0.069	0.083	0.091	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.52	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.034	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
WS-GP-27	E																							
5/15/00		<4.7	<5.0	<5.2	<5.4	<10	18	9.8	0.11	0.5	0.36	<0.023	0.051	0.12	<0.023	<0.031	<0.028	<0.023	<0.022	0.44	0.61	0.63	0.22	ANR

Table 5-2

Groundwater Analytical Results
Fort James Canal Plant
Menasha, Wisconsin

Location	Area	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	1,3,5 - TMB	1,2,4 - TMB	Naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) Anthracene	Benzo(a) Pyrene	Benzo(b) fluoranthene	Benzo(g,h,I) perylene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Flourene	Phenanthrene	Pyrene	Lead
		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
MW-3	A																							
11/22/99		<0.23	<0.12	0.76	<0.13	<0.22	<0.14	<0.11	0.19	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	0.073	<0.025	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.13	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	0.036	<0.066	<0.025	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.37	0.15	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
MW-4	A																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	<0.11	0.38	0.077	<0.073	<0.023	1.6	0.47	0.48	2.9	<0.028	1.6	1.2	0.28	<0.031	<0.066	2.1	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.22	0.87	0.82	1.1	0.6	2.1	1.4	6.8	0.39	3.3	1	0.72	0.16	0.27	4.9	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.24	0.29	<0.073	0.7	<0.042	2.3	2.1	2.4	<0.14	1.2	<0.11	<0.034	<0.031	<0.066	1.8	ANR
MW-5	A																							
11/22/99		<0.23	<0.12	0.13	<0.13	<0.22	<0.14	<0.11	2.4	0.38	0.79	<0.023	3.9	0.76	1.3	2.5	0.11	3.6	2.6	0.28	0.44	<0.066	3.2	ANR
1/12/00		<0.47	<0.50	<0.52	1.3	<1.0	<0.52	<0.55	1.8	<0.026	0.17	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	0.037	<0.066	<0.025	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.053	<0.026	0.37	0.25	<0.042	2.8	1.2	<0.031	0.063	<0.023	<0.022	<0.034	0.077	0.069	0.5	ANR
MW-6	A																							
11/22/99		<0.23	<0.12	<0.11	<0.13	<0.22	<0.14	<0.11	0.24	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	0.07	<0.025	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.52	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	<0.034	<0.026	<0.073	<0.023	<0.042	<0.023	<0.023	<0.031	<0.028	<0.023	<0.022	<0.034	<0.031	<0.066	<0.025	ANR
SUMP	A																							
11/22/99		ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
1/12/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.088	<0.026	<0.073	0.038	0.11	0.18	0.29	0.48	0.1	0.21	0.13	0.32	<0.031	0.16	0.3	ANR
7/11/00		<0.47	<0.50	<0.52	<0.55	<1.0	<0.52	<0.55	0.051	<0.026	<0.073	<0.023	<0.042	0.13	0.16	0.14	<0.028	<0.023	<0.022	0.22	<0.031	0.051	0.12	ANR
WS-GP-20	A																							
5/16/00		<0.47	2.5	2.5	<0.54	1.2	<0.52	<0.55	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR

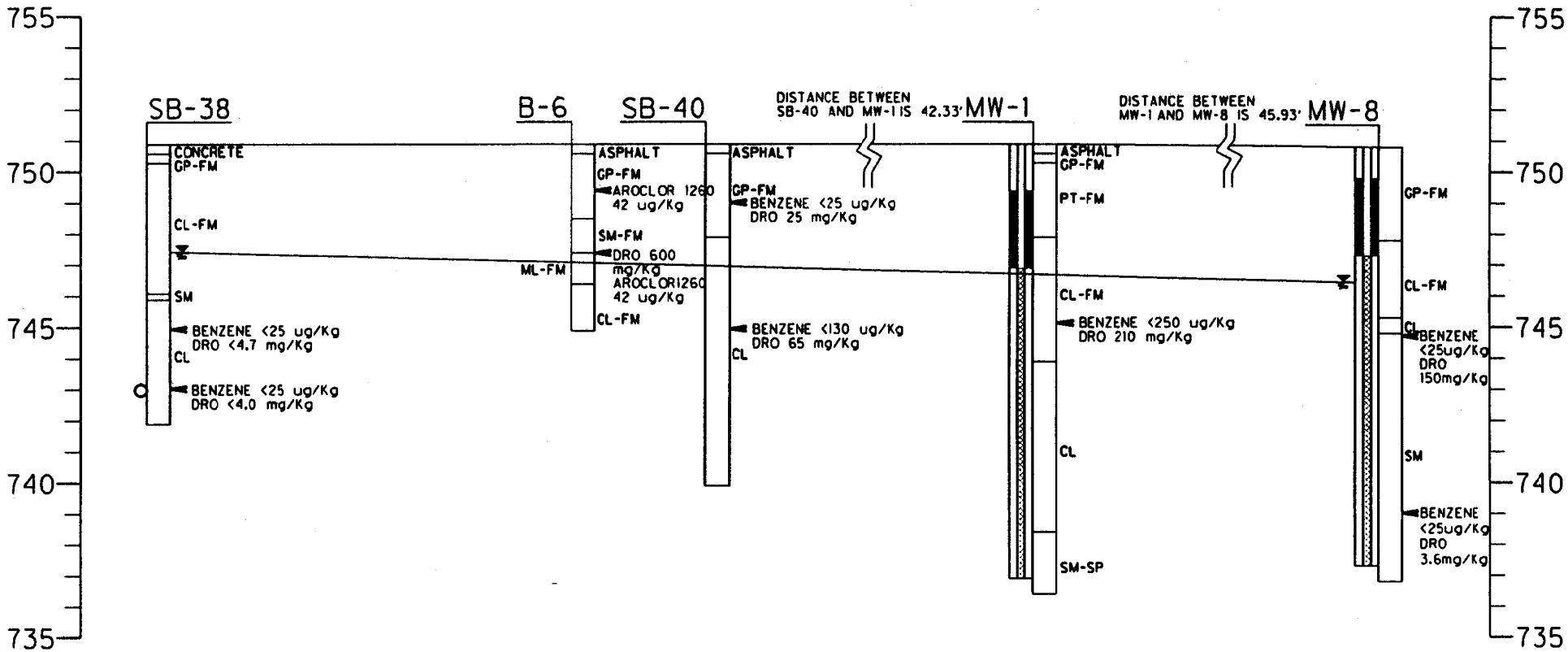
Table 5-2 *(Continued)*

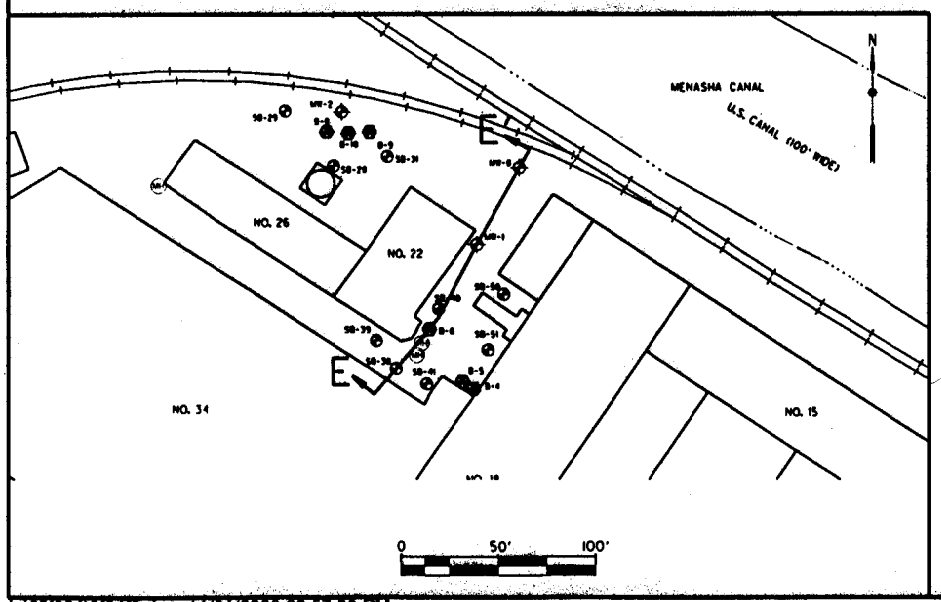
Location	Area	MTBE µg/l	Benzene µg/l	Toluene µg/l	Ethylbenzene µg/l	Total Xylenes µg/l	1,3,5 - TMB µg/l	1,2,4 - TMB µg/l	Naphthalene µg/l	Acenaphthene µg/l	Acenaphthylene µg/l	Anthracene µg/l	Benzo(a) Anthracene µg/l	Benzo(a) Pyrene µg/l	Benzo(b) fluoranthene µg/l	Benzo(g,h,I) perylene µg/l	Benzo(k) fluoranthene µg/l	Chrysene µg/l	Dibenzo(a,h) anthracene µg/l	Fluoranthene µg/l	Flourene µg/l	Phenanthrene µg/l	Pyrene µg/l	Lead µg/l
WS-GP-28	E																							
5/16/00		<0.47	<0.50	<0.52	<0.52	<1.0	2	<0.55	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
WS-GP-29	E																							
5/15/00		<0.47	<0.50	<0.52	<0.54	<1.0	<0.52	<0.55	<0.034	<0.026	<0.073	<0.023	0.051	<0.016	<0.023	0.055	0.045	<0.023	<0.022	<0.034	0.036	<0.066	<0.025	ANR
PAL/ES		12 / 60	0.5 / 5	200/ 1000	140 /700	10000/ 1000	96 / 480*	96 / 480*	8 / 40	*NE*	*NE*	600 / 3000	*NE*	0.02 / 0.2	0.02 / 0.2	*NE*	*NE*	0.02 / 0.2	*NE*	80 / 400	80 / 400	*NE*	50 / 250	1.5 / 15

ANR Analysis Not Requested
NE Not Established
* PAL/ES is combined for 1,3,5-TMB & 1,2,4-TMB
0.20 ES Exceedance
0.18 PAL Exceedance

Prepared By: SDJ
Checked By: PRB

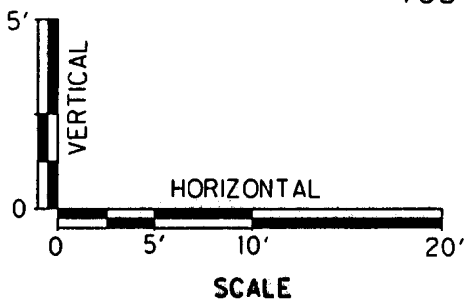
Notes:
1. On 11/22/1999 VOC analysis by EPA 8021. Other Compounds detected but not tabulated were: {MW-1 sec-Butylbenzene 0.22 ug/l, tert-Butylbenzene 0.94 ug/l, Chloromethane 0.15 ug/l} {MW-2 cis-1,2-Dichloroethane 0.66 ug/l} {MW-5 1,1-Dichloroethane 0.19 ug/l} {MW-8 Chloromethane 0.17 ug/l}
   The Field Blank collected on 11/22/1999 exhibited: Chlorobenzene 0.41 ug/l, Methylene chloride 1.3 ug/l, and Trichloroethene 0.69 ug/l.
2. Laboratory reports that Naphthalene was detected in the Laboratory Blank at a concentration of 0.25 ug/l. Therefore detects should be viewed as suspect for the November 1999 round.
3. On 01/12/2000 PVOC analysis by EPA 8021.
4. PAH analysis by EPA 8310/3500.
5. Lead analysis by SW846 6010.





NOTES:

1. ◄ SOIL SAMPLE LOCATION
2. NOVEMBER, 1999 WATER LEVEL WAS 746.68 IN MW-1 AND 746.68 IN MW-8.
3. O WATER PIPE



FT. JAMES CORPORATION - CANAL PLANT

FIGURE 5-1

CROSS-SECTION E-E'

Scale: AS SHOWN		Date: MARCH, 2000	
Prepared By: Foth & Van Dyke		By: DAT	99F004

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