

Andy Boettcher
+HQ

GIS REGISTRY INFORMATION

SITE NAME: Former Mercury Machine Plant 18 Metal Shavings Area
BRRTS # and FID #: 0267184670 FID # 267008940
CLOSURE DATE: April 7, 2006
STREET ADDRESS: 105 Steel Craft Dr.
CITY: Hartford, WI 53027

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):
X= 651975 Y= 317450

OFF-SOURCE CONTAMINATION (>ES): Yes No

IF YES, STREET ADDRESS 1: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

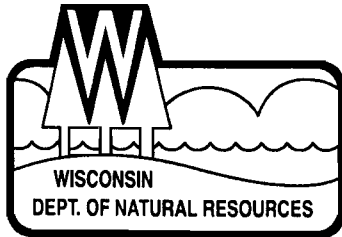
IF YES, STREET ADDRESS 2: _____
GPS COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter issued
- Copy of most recent deed, including legal description, for all affected properties
- 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
- 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)
- 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)
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- 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
- Geologic cross-sections, if available from SI. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)
- Copy of (soil or land use) deed restriction(s) or deed notice if any required as a condition of closure.

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional
Director

Plymouth Service Center
1155 Pilgrim Rd.
P.O. Box 408
Plymouth, Wisconsin 53073-0408
Telephone 920-892-8756
FAX 920-892-6638

April 7, 2006

Craig Dousharm
Mercury Marine, Corp.
P.O. Box 1939
Fond du Lac, WI 54936

Dear Mr. Dousharm:

Subject: Case closure (for two activities), former Mercury Marine Plant 18 Metal Shavings/Sewer Area, BRRTS #0267184670; Sitewide Chlorinated Area, BRRTS #0267000342.
Production Test Cell Area is still open.

The department considers these two cases closed under NR 726 Wisconsin Administrative Code, based on the investigative and remedial documentation provided, having determined that no further action is necessary at the site at this time. However, 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 the environment. Note that the Production Test Cell Area is still open.

Monitoring Well Abandonment

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Victoria Stovall on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department of Natural Resources. Don't abandon the wells associated with the Production Test Cell Area.

Deed Restriction

This property is closed with a deed restriction that requires the maintenance of a cap over remaining soil contamination at the metal shavings/sewer area. The deed restriction refers to a maintenance plan in Appendix A of the closure form on file with the department dated September 22, 2004.

Geographic Information System (GIS)

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>

Ac

If you have any questions about this letter, please call me at 920-892-8756 extension 3023.

Sincerely,


John Feeney

Wisconsin Department of Natural Resources

Cc: SER File
Sigma Environmental Services, Inc.

DOC#: 903565



Recorded

OCT. 11, 2001 AT 02:10PM

DOROTHY C. GONNERING

REGISTER OF DEEDS

WASHINGTON COUNTY, WI

Fee Amount: \$23.00

Document Number

DEED RESTRICTION

Declaration of Restrictions

In Re: Part of the Northwest 1/4 of Section 21, Town 10 North, Range 18 East, City of Hartford, Washington County, Wisconsin, bounded and described as follows: Commencing at the Southeast corner of the Northwest 1/4 of Section 21; thence South 89° 28' 25" West, 691.35 feet; thence South 00° 02' 05" East, 15.14 feet; thence South 84° 42' 55" West, 164.65 feet; thence North 45° 36' 40" West, 178.76 feet to a found cross cut in concrete and the point of beginning of the land to be described; thence Northwesterly 386.17 feet along the arc of a curve having a radius of 650.00 feet with its center point to the Southwest a central angle of 34° 02' 25" and a long chord bearing North 33° 20' 35" West, 380.52 feet to a found iron stake; thence North 84° 17' 35" West, 74.21 feet to a found iron stake; thence North 00° 51' 10" West, 90.74 feet; thence South 84° 17' 53" East, 375.08 feet to the corner of an existing building; thence South 04° 28' 12" West along the wall of said building, 157.77 feet; thence South 85° 31' 27" East along said wall, 209.82 feet; thence South 04° 28' 33" West, 226.74 feet; thence North 85° 31' 27" West, 268.89 feet to the point of beginning. Containing 125,662.6 square feet (2.88 acres) of land.

STATE OF WISCONSIN)
) ss
COUNTY OF WASHINGTON)
 [County where document is signed]

Recording Area

23-7

SIGMA ENVIRONMENTAL
ATTN: JODI VANDERVELDEN
220 EAST RYAN RD
OAK CREEK WI 53154

WHEREAS, Steel Craft Corporation is the owner of the above-described property.

WHEREAS, petroleum hydrocarbon and polycyclic aromatic hydrocarbon discharges have occurred on this property. Petroleum hydrocarbon and polycyclic aromatic hydrocarbon contaminated soil remains on this property at the location described on the attached **Exhibit I**.

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 soil remediation activities on the property at the present time.

Parcel Identification Number (PIN)

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:

A soil cover has been constructed as a remedial action to address residual soil contamination on the property (See **Exhibit II**). Therefore, the following activities are prohibited on that portion of the property described above where a cap or cover has been placed, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) excavating or grading of the land surface; (2) filling on the capped area; (3) plowing for agricultural cultivation; and, (4) construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover. In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by Section NR 724.13(2), Wis. Adm. Code (1997).

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 inures to the benefit of 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 by the property owner or other interested party to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

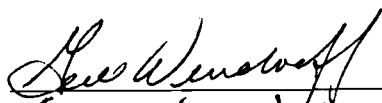
By signing this document, GENE WENDORFF asserts that he is duly authorized to sign this document on behalf of the property owner, Steel Craft Corporation.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 17TH day of SEPTEMBER ~~2004~~ 2001

STEEL CRAFT CORPORATION

Signature

(Printed Name)

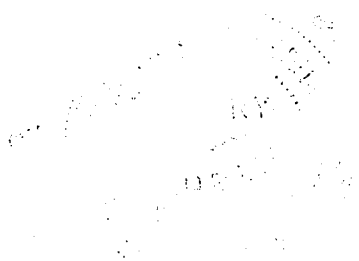


GENE WENDORFF
SECRETARY

Subscribed and sworn to before me this 17TH day of SEPTEMBER, ~~2000~~ 2001

David M Zingsheim
Notary Public, State of WISCONSIN
My commission expires 5/5/2002

DAVID M. ZINGSHEIM



**SPECIAL WARRANTY AND
QUIT CLAIM DEED**

Document Number

Title of Document

DOC#: 853838

Recorded
APR. 20, 2000 AT 11:45AM

DOROTHY C. GONNERING
REGISTER OF DEEDS
WASHINGTON COUNTY, WI
Fee Amount: \$20.00
Transfer fee: \$12000.00


Record this document with the Register of Deeds ²⁰⁻⁶

Name and Return Address:

Bradley D. Page, Esq.
Davis & Kuelthau, s.c.
111 E. Kilbourn, Suite 1400
Milwaukee, WI 53202

36-2102-004-001
(Parcel Identification Number)

This Document was Drafted by:


James A. Parker, Esq.
Mayer, Brown & Platt
180 South LaSalle Street
Chicago, Illinois 60603

Instrument Recorded By:
James A. Parker
Mayer, Brown & Platt
190 South LaSalle Street
Chicago, Illinois 60603

Order No:

Special Warranty and Quit Claim Deed

For the consideration of Ten Dollars, and other valuable consideration,

BRUNSWICK CORPORATION, a Delaware corporation ("Grantor")

does hereby grant, bargain, sell and convey to

HARTFORD INVESTMENT COMPANY, LLC, a Wisconsin limited liability company ("Grantee")

the following real property located in Washington County, Wisconsin:

(see attached Exhibit A)

TRANSFER
\$12,000^{00/100}
FEE

Grantor hereby binds itself to warrant and defend the title as against all acts of the Grantor or claimed by or through the Grantor herein and no other, except as set forth on Exhibit C.

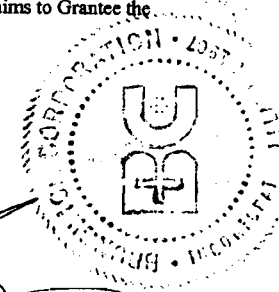
For the consideration of Ten Dollars, and other valuable consideration, Grantor hereby quit claims to Grantee the following real property located in Washington County, Wisconsin:

(see attached Exhibit B)

Tax Key No. 36-2102-004-001.

Dated: April 19th, 2000

BRUNSWICK CORPORATION,
a Delaware corporation



Signed and sealed in the presence of:

Christine Bogdovitz
Christine Bogdovitz

By: *[Signature]*
C.M. Berry, Assistant Secretary

Jaquelyn Mohr
Jaquelyn Mohr

STATE OF ILLINOIS)
LAKE COUNTY)

Personally came before me this 19th day of April, 2000, C.M. Berry,
of Brunswick Corporation, to me known to be the person who executed the foregoing
instrument and to me known to be such Assistant Secretary of such corporation
acknowledged that she executed the foregoing instrument as such officer of such corporation, by its authority.

Elizabeth McGrail

Notary Public, Lake County, Illinois

My commission expires August 8, 2002.

[NOTARY SEAL]



EXHIBIT A

That part of the SE 1/4 of the NW 1/4 and the SW 1/4 of the NE 1/4, all in section 21, Town 10 North, Range 18 East, City of Hartford, Washington County, Wisconsin and being in whole or in part of Block 'K' of A.M. Thomson Addition, O.L. 259 of ownership map of SW 1/4 of the NE 1/4 recorded on page 13 of Map Book 7, O.L. 266 of Assessor's plat of SE 1/4 of NW 1/4 recorded on page 17 of Map Book 7, which is bounded and described as follows:

Beginning at the center of said section 21; thence S 89 degrees 28' 25" W along the quarter section line, 58.50 feet; thence N 43 degrees 35' 00" W, 211.00 feet; thence N 85 degrees 37' 42" W, 732.63 feet; thence N 41 degrees 54' 14" W 359.60 feet; thence N 55 degrees 12' 00" W, 113.02 feet to a point on the East right-of-way line of Grand Avenue; thence N 00 degrees 51' 10" W along said line of Grand Avenue, 193.08 feet to a point on the Railroad right-of-way; thence S 84 degrees 37' 40" E along said railroad line, 1273.16 feet; thence easterly along the arc of a curve to the left, curve radius 3760.58 feet, chord bearing S 87 degrees 18' 43" E, chord distance 412.18 feet; thence easterly along the arc of a curve to the left, curve radius 3001.08 feet, chord bearing N 86 degrees 37' 50" E, chord distance 252.28 feet; thence easterly along the arc of a curve to the left, curve radius 3001.08 feet, chord bearing N 81 degrees 03' 36" E, chord distance 331.02 feet to a point on the west right-of-way line of Wilson Avenue; thence S 18 degrees 14' 00" W along said line of Wilson Avenue, 186.44 feet; thence S 04 degrees 22' 15" W along said line of Wilson Avenue, 339.64 feet; thence S 39 degrees 39' 50" W, 175.45 feet to a point on the quarter section line; thence S 89 degrees 20' 25" W along said quarter section line, 790.60 feet to the place of beginning.

PT 36-2102-004-001

EXHIBIT B

That part of the NE 1/4 of the SW 1/4 and the SE 1/4 of the NW 1/4, all in section 21, Town 10 North, Range 18 East, City of Hartford, Washington County, Wisconsin and being a part of Outlot 266 of the Assessor's plat of said SE 1/4 of the NW 1/4, which is bounded and described as follows:

Commencing at the center of said section 21; thence S 89 degrees 28' 25" W along the quarter section line, 58.50 feet to the place of beginning of lands herein described; thence continuing S 89 degrees 28' 25" W along said quarter section line, 632.85 feet; thence S 00 degrees 02' 05" E, 15.15 feet to a point on the bank of the Rubicon River; thence S 84 degrees 42' 56" W along a meander line of said river, 164.65 feet; thence N 45 degrees 36' 40" W along said meander line, 178.76 feet; thence northwesterly along the arc of a curve to the left, said curve being a meander of said river, curve radius 650.00 feet, chord bearing N 33 degrees 20' 35" W, chord distance 380.52 feet; thence N 84 degrees 17' 35" W along said meander line, 74.21 feet to a point on the east right-of-way line of Grand Avenue; thence N 00 degrees 51' 10" W along said line of Grand Avenue, 126.23 feet; thence S 55 degrees 12' 00" E, 113.02 feet; thence S 41 degrees 54' 14" E, 359.60 feet; thence S 85 degrees 37' 42" E, 732.63 feet; thence S 43 degrees 35' 00" E, 211.00 feet to the place of beginning.

Together with all lands lying between said meander line and the bank of the Rubicon River.

PT 36-2102-004-001

FOR INFORMATIONAL PURPOSES ONLY
Tax Key No. 36-2102-004-001.

EXHIBIT C

- (a) Taxes, general and special, for the year 2000 and subsequent years, not yet due and payable.
- (b) Rights of the public in any portion of the subject premises lying below the ordinary high water mark of Rubicon River and/or Millpond, and rights of the government to regulate the use of the shore and riparian rights.
- (c) Right of public or quasi public utilities in the land.
- (d) Restrictions, Conditions, Covenants, Easements, Rights and Rights of way, contained in Warranty Deed executed by B.M. Kissel, d/k/a Hartford Industries Company and whose full name is Blanche M. Kissel TO Wadhams Oil Company dated June 29, 1935 and recorded August 17, 1935 in Volume 112 of Deeds, page 249, as Document No. 158985.
- (e) Utility Easement granted to Wisconsin Electric Power Company recorded September 22, 1972 in Volume 528 of Records, page 132, as Document No. 336061.
- (f) Easement (including rights and conditions therein contained) granted to City of Hartford dated December 17, 1935 and recorded December 21, 1935 at 10:15 A.M., as Document No. 159940.
- (g) Award of Damages by State of Wisconsin Department of Transportation Section 84.09(2), 85.09 recorded March 29, 1984 at 8:30 A.M. in Volume 822 of Records, page 312, as Document No. 465242.
- (h) Terms, Conditions and Reservations contained in Warranty Deed executed by US Marine Corporation, a Wisconsin Corporation to City of Hartford, a municipal corporation dated February 12, 1988 and recorded February 18, 1988 at 10:07 A.M. in Volume 974 of Records, page 537, as Document No. 523851.
- (i) Reservations, rights, restrictions and easements contained in Quit Claim Deed executed by CMC Real Estate Corporation, a Wisconsin Corporation dated December 15, 1988 and recorded January 5, 1989 at 2:15 P.M. in Volume 1013 of Records, page 586, as Document No. 538367.
- (j) Covenants, conditions, restrictions, limitations and easements contained in Deed, dated August 19, 1996 and recorded September 20, 1996 at 9:00 A.M., in Volume 1632 of Records, page 567, as Document No. 728315.



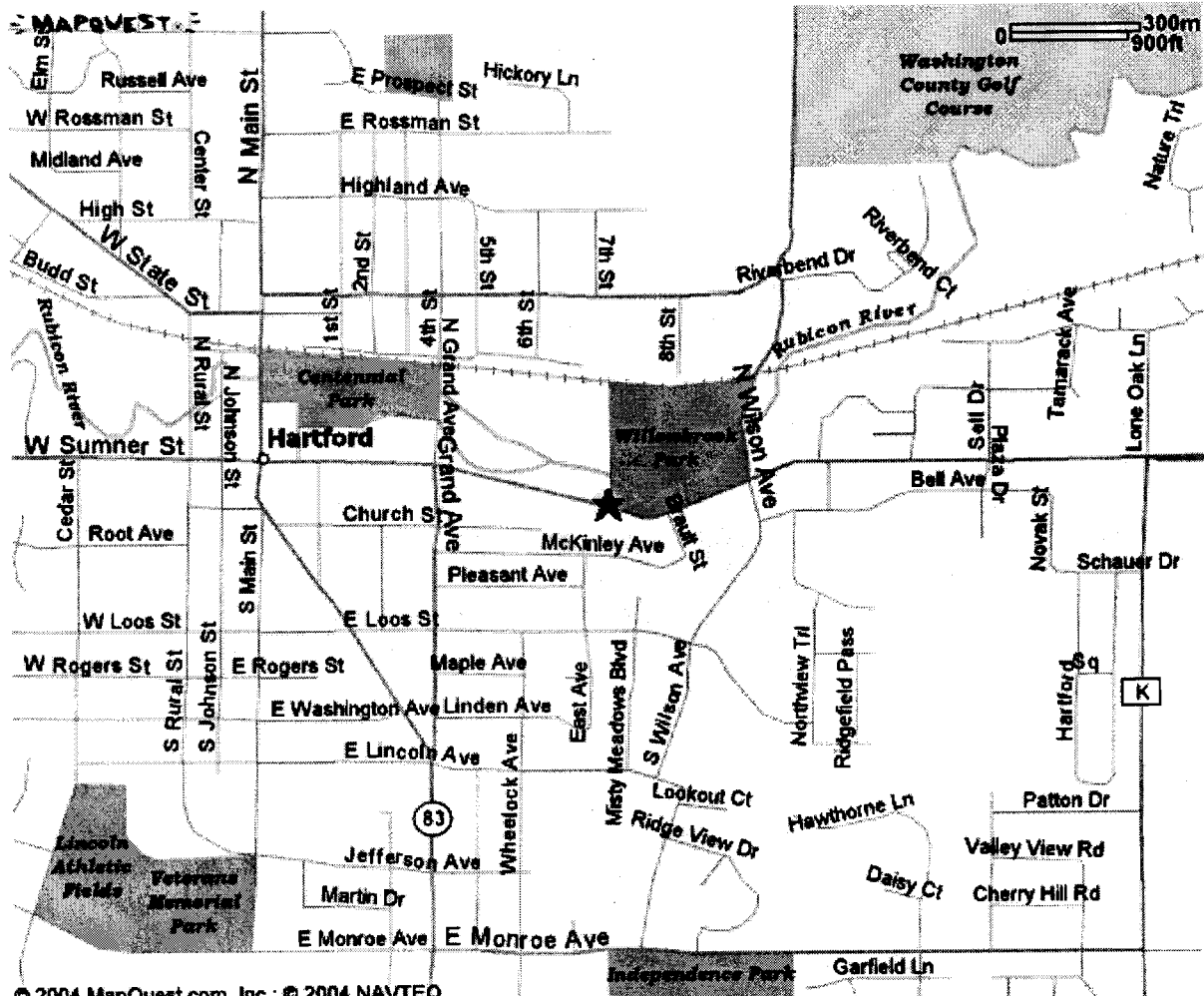
Send To Printer Back to Map

105 Steelcraft Dr
Hartford WI
53027-1631 US

Notes:

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Suite Deals
ON ORBITZ HOTELS



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SOIL QUALITY RESULTS

SAMPLE ID* AND DEPTH	GP-1 6'-8'	GP-1 8'-18'	GP-2 6'-8'	GP-2 8'-18'	GP-3 2'-4'	GP-3 6'-8'	GP-4 4'-6'	GP-4 8'-18'	GP-5 2'-4'	GP-5 8'-18'	GP-6 2'-4'	GP-6 6'-8'	MSA MW-3 4'-6'	MSA MW-3 18'-12'	MSA MW-4 6'-8'	MSA MW-4 8'-18'	MSA MW-5 6'-8'	MSA MW-5 18'-12'	MSA MW-6 6'-8'	MSA MW-6 18'-12'	STS GP-13 2'-4'	STS GP-16 2'-4'	STS GP-17 2'-4'	STS GP-18 2'-4'	STS GP-23 1.5'-2'	STS GP-24 1.5'-2'	STS GP-25 2'-4'		
METHYLENE CHLORIDE	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	13.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	
1,2-DICHLOROETHENE	12.1	<5.8	<5.8	<5.8	25	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	
VINYL CHLORIDE	17.1	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8	<18.8
1,2-DICHLOROETHENE	45.4	<5.8	<5.8	<5.8	35.5	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	58.6	5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	1.2	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	
1,1,2-TRICHLOROETHYLENE	23.9	<5.8	<5.8	<5.8	27.4	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	27.7	8.6	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	
1,1,1-TRICHLOROETHYLENE	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8	
DIESEL RANGE ORGANICS	<3.5	<3.5	<3.5	<3.5	74.5	<3.5	22980*	<3.5	3389*	<3.5	<3.5	<3.5	336*	<3.5	2106*	121*	81.6	<3.5	<3.5	<3.5	73.7	23.5	78.4	63.6*	122*	282*	91.8*		

ALL RESULTS ARE EXPRESSED IN PARTS PER BILLION (ppb), EXCEPT DRO WHICH IS EXPRESSED IN PARTS PER MILLION (ppm)
 ALL SAMPLE DEPTH'S SHOWN ARE FEET BELOW GROUND SURFACE
 --- = NOT ANALYZED
 * = DRO PEAKS OUTSIDE CHROMATOGRAPH WINDOW
 * = NR 720 SOIL STANDARD EXCEEDANCE

LEGEND

- ⊙ = MONITORING WELL LOCATION
- = FORMER BUILDING LOCATION
- 50 = BUILDING NUMBER
- x = TEST PIT LOCATION
- ⊕ = SIGMA GEOPROBE LOCATION
- ⊕ = STS GEOPROBE LOCATION
- ⊕ = INDUSTRIAL PROCESS
- = OVERHEAD ELECTRIC LINE

SOIL BORING - MONITORING WELL LOCATION INFORMATION

METAL SHAVINGS AREA:
 GP-1, GP-2, GP-3, GP-4, GP-5, GP-6, MSA-MW1, MSA-MW-2, MSA-MW-3, MSA-MW-4,
 MSA-MW-5, MSA-MW-6, STS-GP-13, STS-GP-14, STS-GP-16, STS-GP-17, STS-GP-18,
 STS-GP-23, STS-GP-24, STS-GP-25.

NOTE:
 1. GEOPROBE: GP-1, GP-2, GP-3, GP-4, GP-5, GP-6 WERE NOT INCLUDED IN SURVEY

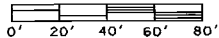
GRAND AVENUE

RUBICON RIVER

ESTIMATED EXTENT OF SOIL IMPACTS > NR 720 RCLs

SIGMA
 ENVIRONMENTAL SERVICES INC.
 220 EAST RYAN ROAD
 DAK CREEK, WISCONSIN 53154
 PHONE : (414) 768 - 7144
 1-800-732-4671

GRAPHIC SCALE



NO	DATE	REVISIONS	BY	APVD

NAME:	DATE:
DRAWN BY: BEB	4-22-04
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	

MERCURY MARINE - PLANT 18
 105 MARINE DRIVE, HARTFORD, WISCONSIN
 MSA - SOIL QUALITY MAP

DRAWING NUMBER
 3163-005

FIGURE 8

PZ-6						
DATE	9-22-99	10-4-00	2-21-01	4-8-03	9-8-03	
TRICHLOROETHENE	(5.7)	(5.5)	(2.8)	NA	(0.972)	
VINYL CHLORIDE	(1.2)	ND	ND	NA	ND	
BENZO(a)PYRENE	NA	NA	NA	NA	ND	
BENZO(b)FLUORANTHENE	NA	NA	NA	NA	ND	
CHRYSENE	NA	NA	NA	NA	ND	
CHLOROMETHANE	ND	ND	ND	NA	ND	

MSA-MW-6						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	4-8-03
CHLOROMETHANE	(8.3)	(5.2)	(11)	(7.7)	ND	(7.27)
VINYL CHLORIDE	(1.8)	ND	(1.2)	(1)	ND	ND
BENZO(a)PYRENE	ND	ND	NA	NA	NA	NA
BENZO(b)FLUORANTHENE	ND	ND	NA	NA	NA	NA
CHRYSENE	ND	ND	NA	NA	NA	NA

NOTE:

1. BASE MAP INFORMATION TAKEN FROM A MAP BY J.E. ARTHUR & ASSOCIATES ENTITLED "MONITORING WELL LOCATIONS AND ST. SEWER SYS. PL. 18, DATED 4/11/97.

WTP-MW-3	
DATE	5/97
TRICHLOROETHENE	(4.1)
VINYL CHLORIDE	(0.72)
BENZO(a)PYRENE	(5.7)
BENZO(b)FLUORANTHENE	(7.4)
CHRYSENE	(6.7)
TOTAL BARIUM	(160)

MSA-MW-3						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	2-1-01
CHLOROMETHANE	(0.43)	ND	ND	ND	ND	(1.2)
VINYL CHLORIDE	(1.1)	(3.0)	(1.4)	(4)	(2.6)	(1.4)
CHRYSENE	(0.024)	ND	NA	NA	NA	NA

MSA-MW-2						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	4-8-03
CHLOROMETHANE	(0.97)	ND	(2.7)	ND	ND	NA
VINYL CHLORIDE	(2.1)	ND	ND	ND	ND	NA
BENZO(a)PYRENE	ND	ND	NA	NA	NA	(0.13)
BENZO(b)FLUORANTHENE	ND	ND	NA	NA	NA	(0.091)
CHRYSENE	(0.078)	(0.252)	NA	NA	NA	(0.173)

MSA-MW-5						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	2-1-01
CHLOROMETHANE	ND	(3.3)	(3.5)	ND	ND	NA
VINYL CHLORIDE	(1.4)	(1.4)	(1.5)	ND	(1.4)	ND
BENZO(a)PYRENE	(1.3)	NA	NA	NA	NA	(0.0273)
BENZO(b)FLUORANTHENE	(1.6)	NA	NA	NA	NA	(0.0217)
CHRYSENE	(1.1)	NA	NA	NA	NA	ND

MSA-MW-4						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	2-1-01
CHLOROMETHANE	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	(4.6)	ND	(2.8)	(1.4)	ND
CHRYSENE	(0.04)	NA	NA	NA	NA	ND

MW-15						
DATE	3-1-97	9-22-99	3-21-00	6-28-00	10-4-00	5-6-03
CHLOROMETHANE	ND	ND	ND	ND	ND	NA
VINYL CHLORIDE	ND	ND	ND	ND	ND	NA
BENZO(a)PYRENE	(0.28)	ND	NA	NA	NA	(0.0679)
BENZO(b)FLUORANTHENE	(0.46)	ND	NA	NA	NA	(0.102)
CHRYSENE	(0.2)	ND	NA	NA	NA	(0.126)

ESTIMATED EXTENT OF GROUNDWATER IMPACTS
WITHIN THE METAL SHAVINGS AREA BASED ON
NR 140 STANDARDS

LEGEND

- = FENCE
- ⊙ = HANHOLE LOCATION
- S--- = UNDERGROUND STORM SEWER LINE
- ⊙ = MONITORING WELL / PIEZOMETER LOCATION
- = ABANDONED MONITORING WELL / PIEZOMETER

ANALYTICAL KEY

- () = EXCEEDS NR 140 ENFORCEMENT STANDARDS
- [] = EXCEEDS NR 140 PREVENTIVE ACTION LIMITS
- ND = CONCENTRATION REPORTED BELOW REPORTED LABORATORY DETECTION LIMIT
- NA = NOT ANALYZED FOR CHLORINATED COMPOUNDS

ANALYTICAL RESULTS REPORTED IN MICROGRAMS PER LITER (ug/l)

SIGMA
ENVIRONMENTAL SERVICES INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
PHONE : (414) 768 - 7144
1-800-732-4671

SCALE -



NO	DATE	REVISIONS	BY	APVD

NAME:	DATE:
DRAWN BY: BEB	4-22-04
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	

MERCURY MARINE PLANT 18
105 MARINE DRIVE, HARTFORD, WISCONSIN
MSA- GROUNDWATER QUALITY MAP (NR 140 EXCEEDANCES ONLY)

DRAWING NUMBER
7275-002

FIGURE 3

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-2													NR 140	
			07/25/1995	10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	06/28/2000	10/04/2000	04/08/2003	ES#	PALs	
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/L	1	1	1.7	-	1.2	1.2	1.3	1	ND	ND	ND	ND	NA	650	85	
1,1-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	7	0.7	
1,1-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
1,1,1-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	200	40	
1,1,1,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	70	7	
1,1,2-Trichloro-1,2,2-fluoroet	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
1,1,2-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
1,1,2,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.2	0.02	
1,2-Dibromo-3-chloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.2	0.02	
1,2-Dibromoethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.05	0.005	
1,2-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	600	60	
1,2-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
1,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
1,2,3-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
1,2,3-Trichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	60	12	
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	70	14	
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	0.55	ND	ND	ND	ND	NA	NS	NS	
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	0.55	ND	ND	ND	ND	NA	480	96	
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	1250	125	
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	75	15	
2-chloroethylvinyl ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
2-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
2-Methyl naphthalene	ug/L	5	-	-	NA	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
2,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
4-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
4-Isopropyltoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
Bromobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Bromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.6	0.06	
Bromoform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	4.4	0.44	
Bromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	10	1	
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
Chlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Chloroethane	ug/L	1	-	-	-	1.1	-	-	-	ND	ND	ND	ND	NA	400	80	
Chloroform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	8	0.8	
Chloromethane	ug/L	1	-	-	-	-	-	0.97	ND	2.7	ND	ND	ND	NA	3	0.3	
cis-1,2-Dichloroethene	ug/L	1	1.3	-	1.1	-	1.4	-	0.69	ND	ND	ND	ND	NA	70	7	
cis-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.2	0.02	
Dibromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	60	6	
Dibromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Dichlorodifluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	1000	200	
Ethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	700	140	
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	1	ND	ND	ND	ND	ND	NA	NS	NS	
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	60	12	
Methylene chloride	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
n-Butylbenzene	ug/L	1	-	-	-	-	-	-	0.54	ND	ND	ND	ND	NA	NS	NS	
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	40	8	
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NS	NS	
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NS	NS	
Total Xylenes	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	10000	1000	
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	1.1	ND	ND	ND	ND	NA	NS	NS	
Styrene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	100	10	
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
Toluene	ug/L	1	3.6	-	-	-	-	-	-	ND	ND	ND	ND	NA	1000	200	
trans-1,2-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	100	20	
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.2	0.02	
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5	
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS	
Vinyl chloride	ug/L	1	1.5	2.1	-	3.5	3.4	-	2.1	ND	ND	ND	ND	NA	0.2	0.02	
Dilution Factor			X	X	X	X	X	X	X	1	1	1	1	NA	X	X	

Notes: * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
 - = Concentration reported below unreported laboratory detection limit
bold = Exceeds NR 140 Enforcement Standards (ESs)
bold = Exceeds NR 140 Preventive Action Limits (PALs)
 ND = Concentration reported below reported laboratory detection limit
 ug/L = Micrograms per liter
 NS = No standard established

Table 2
Mercury Marine Plant 18
 Hartford, Wisconsin
 Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-2												NR 140			
			07/25/1995	10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	09/28/2000	10/04/2000	04/08/2003	ESs	PALs		
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	ug/L	1	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<5.0	NS	NS	
Acenaphthylene	ug/L	1	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<5.0	NS	NS	
Anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	0.282	NA	NA	NA	<5.0	3000	600	
Benzo(a)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	0.109	NS	NS	
Benzo(a)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	0.13	0.2	0.02	
Benzo(b)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	0.091	0.2	0.02	
Benzo(g,h)perylene	ug/L	0.2	NA	-	-	-	-	-	-	-	0.492	NA	NA	NA	<5.0	NS	NS	
Benzo(k)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<1.0	NS	NS	
Chrysene	ug/L	0.2	NA	0.04	-	-	-	-	-	-	0.078	0.252	NA	NA	0.173	0.2	0.02	
Dibenzo(a,h)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<0.1	NS	NS	
Fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	0.026	0.454	NA	NA	NA	<5.0	400	80	
Fluorene	ug/L	0.2	NA	-	-	-	-	-	-	0.13	ND	NA	NA	NA	<5.0	400	80	
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<0.2	NS	NS	
Naphthalene	ug/L	0.5	NA	-	-	-	-	-	-	-	ND	NA	NA	NA	<5.0	40	8	
Phenanthrene	ug/L	0.2	NA	-	-	-	-	-	-	-	0.256	NA	NA	NA	<5.0	NS	NS	
Pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	0.044	0.467	NA	NA	<5.0	250	50	
Dilution Factor			X	X	X	X	X	X	X	X	X	1	NA	NA	NA	1	X	X
Nutrient Panel																		
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	820	500	530	NA	NA	NS	NS	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	820	500	530	NA	NA	NS	NS	
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	<10	NA	NA	NS	NS	
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	<10	NA	NA	NS	NS	
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	56	43.4	52	NA	NA	NS	NS	
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	0.45	0.35	0.34	NA	NA	NS	NS	
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.012	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	30	67	79	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	8.5	11	17	NA	NA	NS	NS	
Metals																		
Cadmium (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	5	0.5	
Chromium (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	100	10	
Lead (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	15	1.3	
Silver (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	10	
Arsenic (Soluble)	ug/L	X	NA	-	-	-	12	0.148	-	-	NA	NA	NA	NA	NA	50	5	
Barium (Soluble)	ug/L	X	NA	106	-	-	-	-	-	-	NA	NA	NA	NA	NA	2000	400	
Mercury (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	2	0.2	
Selenium (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	10	
Light Hydrocarbons																		
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	25	39.94	85.31	62.38	NA	NS	NS	
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	1.82	0.57	2.38	3.01	NA	NS	NS	
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	51	71	NA	NS	NS	
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	714	1527	NA	NS	NS	

Notes:

- * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ESs)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-3												NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1996	03/22/2000	08/28/2000	10/04/2000	02/01/2001	04/08/2003	ESs	PALs	
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	850	85
1,1-Dichloroethylene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	7	0.7
1,1-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,1,1-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	70	7
1,1,2-Trichloro-1,2,2-fluoroet	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,1,2-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromoethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	800	80
1,2-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,2,3-Trichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	12
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	70	14
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	480	96
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1250	125
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	75	15
2-chloroethylvinyl ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2-Methyl naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
4-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
4-Isopropyltoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
Bromobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Bromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.6	0.06
Bromoform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	4.4	0.44
Bromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	10	1
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
Chlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Chloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	400	80
Chloroform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	6	0.6
Chloromethane	ug/L	1	-	-	-	-	-	-	0.43	ND	ND	ND	ND	ND	1.2	3	0.3
cis-1,2-Dichloroethane	ug/L	1	5.7	1.1	5.8	2.6	4.6	3.3	5.6	2.9	ND	ND	1.7	2.86	70	7	
cis-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02	
Dibromochloromethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	6	
Dibromomethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Dichlorodifluoromethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1000	200	
Ethylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	700	140	
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	80	12	
Methylene chloride	ug/L	5	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
n-Butylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Naphthalene	ug/L	5	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	40	8	
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NS	NS	
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NS	NS	
Total Xylenes	ug/L	X	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	10000	1000	
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Styrene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	100	10	
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5	
Toluene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1000	200	
trans-1,2-Dichloroethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	100	20	
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02	
Trichloroethene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5	
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS	
Vinyl chloride	ug/L	1	4.9	2.5	1.7	1.8	1.1	3.0	1.4	4	2.8	1.4	1.54	0.2	0.02		
Dilution Factor			X	X	X	X	X	X	1	1	1	1	1	1	X	X	

Notes:
 * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
 - = Concentration reported below unreported laboratory detection limit
 bold = Exceeds NR 140 Enforcement Standards (ESs)
 bold = Exceeds NR140 Preventive Action Limits (PALs)
 ND = Concentration reported below reported laboratory detection limit
 ug/L = Micrograms per liter
 NS = No standard established

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-3													NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1998	03/22/2000	08/28/2000	10/04/2000	02/01/2001	04/08/2003	ES _a	PAL _s		
Polycyclic Aromatic Hydrocarbons																		
Acenaphthene	ug/L	1	-	-	-	-	-	-	0.16	ND	NA	NA	NA	NA	NA	NA	NS	NS
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Anthracene	ug/L	0.2	-	-	-	-	-	-	0.052	0.250	NA	NA	NA	NA	NA	3000	600	
Benzo(a)anthracene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Benzo(a)pyrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	0.2	0.02	
Benzo(b)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	0.2	0.02	
Benzo(g,h)perylene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Benzo(k)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Chrysene	ug/L	0.2	-	-	-	-	-	-	0.024	ND	NA	NA	NA	NA	NA	0.2	0.02	
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Fluoranthene	ug/L	0.2	0.17	-	-	-	-	-	0.12	0.465	NA	NA	NA	NA	NA	400	80	
Fluorene	ug/L	0.2	-	-	-	-	-	-	0.19	ND	NA	NA	NA	NA	NA	400	80	
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	NS	NS	
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NA	40	8	
Phenanthrene	ug/L	0.2	-	-	-	-	-	-	0.18	ND	NA	NA	NA	NA	NA	NS	NS	
Pyrene	ug/L	0.2	0.18	-	-	-	-	-	0.069	ND	NA	NA	NA	NA	NA	250	50	
Dilution Factor			X	X	X	X	X	X	X	1	NA	NA	NA	NA	NA	X	X	
Nutrient Panel																		
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	270	220	300	NA	NA	NA	NA	NS	NS	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	240	180	280	NA	NA	NA	NA	NS	NS	
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	32	40	24	NA	NA	NA	NA	NS	NS	
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	<10	NA	NA	NA	NA	NS	NS	
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	32	22.1	26	NA	NA	NA	NA	NS	NS	
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	0.080	0.07	0.062	NA	NA	NA	NA	NS	NS	
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	0.013	NA	NA	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	2	19	4	NA	NA	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	7.7	3.4	6	NA	NA	NA	NA	NS	NS	
Metals																		
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	5	0.5	
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	100	10	
Lead (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	15	1.5	
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	50	10	
Arsenic (Soluble)	ug/L	X	-	-	-	4.5	-	-	NA	NA	NA	NA	NA	NA	NA	50	5	
Barium (Soluble)	ug/L	X	94	-	-	-	0.83	-	NA	NA	NA	NA	NA	NA	NA	2000	400	
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	2	0.2	
Selenium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	50	10	
Light Hydrocarbons																		
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	2	1.83	3.94	5.62	NA	NA	NA	NS	NS	
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	1.7	4.5	4.88	4.15	NA	NA	NA	NS	NS	
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	313	447	NA	NA	NA	NS	NS	
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	3665	4202	NA	NA	NA	NS	NS	

Notes:

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- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ESs)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

Table 2
Mercury Marine Plant 18
 Hartford, Wisconsin
 Project Number #5018

Parameter	Units	Detection Limit*	MSA MV-4													NR 140	
			10/31/1995	02/13/1996	05/21/1996	08/22/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	06/26/2000	10/04/2000	02/01/2001	04/08/2003	ES _s	PAL _s	
Volatile Organic Compounds																	
1,1-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	850	85
1,1-Dichloroethylene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	7	0.7
1,1-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,1,1-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	70	7
1,1,2-Trichloro-1,2,2-fluoroet	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,1,2-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromoethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	600	60
1,2-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,2,3-Trichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	12
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	70	14
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1.66	NS
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	2.14	NS	NS
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	3.8	480	96
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1250	125
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	75	15
2-chloroethvinyl ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2-Methyl naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
2,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
4-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
4-Isopropyltoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
Bromobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Bromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.6	0.06
Bromoform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	4.4	0.44
Bromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	10	1
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	5	0.5
Chlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Chloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	400	80
Chloroform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	6	0.6
Chloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	3	0.3
cis-1,2-Dichloroethene	ug/L	1	-	-	-	-	2.3	-	-	ND	ND	2.1	ND	ND	ND	70	7
cis-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	0.2	0.02
Dibromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	6
Dibromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Dichlorodifluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1000	200
Ethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.538	700	140
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	NS
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	-	0.84	ND	ND	ND	ND	ND	3.23	NS	NS
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	60	12
Methylene chloride	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
n-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	1.34	NS
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	ND	NS	NS
Naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.06	40	8
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	NS
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	NS
Total Xylenes	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.68	10000	1000
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.15	NS	NS
Styrene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	10	NS
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.37	NS	NS
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5	NS
Toluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1000	200	NS
trans-1,2-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	20	NS
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02	NS
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5	NS
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	NS
Vinyl chloride	ug/L	1	-	-	-	-	4.1	-	-	4.6	ND	2.8	1.4	ND	1.11	0.2	0.02
Dilution Factor			X	X	X	X	X	X	X	1	1	1	1	1	1	X	X

Notes:
 * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
 - = Concentration reported below unreported laboratory detection limit
bold = Exceeds NR 140 Enforcement Standards (ESs)
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 ND = Concentration reported below reported laboratory detection limit
 ug/L = Micrograms per liter
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Table 2
Mercury Marine Plant 18
 Hartford, Wisconsin
 Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-4													NR 140	
			10/31/1996	02/13/1996	05/21/1996	09/22/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	09/29/2000	10/04/2000	02/01/2001	04/08/2003	ESa	PALa	
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Anthracene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	3000	600
Benzo(a)anthracene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Benzo(a)pyrene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	0.2	0.02
Benzo(g,h)jiphenylene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Benzo(k)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Chrysene	ug/L	0.2	0.05	-	-	-	-	-	0.04	NA	NA	NA	NA	NA	ND	0.2	0.02
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Fluoranthene	ug/L	0.2	0.5	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	400	80
Fluorene	ug/L	0.2	0.5	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	400	80
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	40	8
Phenanthrene	ug/L	0.2	0.3	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Pyrene	ug/L	0.2	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	250	50
Dilution Factor			X	X	X	X	X	X	X	NA	NA	NA	NA	NA	1	X	X
Nutrient Panel																	
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	370	340	410	NA	NA	NA	NS	NS	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	370	340	410	NA	NA	NA	NS	NS	
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NS	NS	
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NS	NS	
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	42	11.3	28	NA	NA	NA	NS	NS	
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	0.35	0.15	0.12	NA	NA	NA	NS	NS	
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	0.011	NA	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	27	38	18	NA	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	5.9	7.5	13	NA	NA	NA	NS	NS	
Metals																	
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	5	0.5	
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	100	10	
Lead (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	15	1.5	
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	10	
Arsenic (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	5	
Barium (Soluble)	ug/L	X	173	-	-	-	-	0.144	NA	NA	NA	NA	NA	NA	2000	400	
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	2	0.2	
Selenium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	10	
Light Hydrocarbons																	
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	22	64.72	47.4	44.88	NA	NA	NS	NS	
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	0.65	6.98	1.31	4.6	NA	NA	NS	NS	
Ethylene	mg/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	514	358	NA	NA	NS	NS	
Ethane	mg/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	3485	5775	NA	NA	NS	NS	

Notes:

- * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ESs)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-5												NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1998	03/21/2000	08/28/2000	10/04/2000	02/01/2001	04/08/2003	ES _e	PAL _e	
Volatile Organic Compounds																	
1,1-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	850	85
1,1-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	7	0.7
1,1-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,1,1-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	70	7
1,1,2-Trichloro-1,2,2-fluoroet	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,1,2-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.2	0.02
1,2-Dibromoethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	800	80
1,2-Dichloroethane	ug/L	1	0.7	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
1,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,2,3-Trichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	80	12
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	70	14
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	480	96
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	1250	125
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
2-chloroethylvinyl ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	75	15
2-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
2-Methyl naphthalene	ug/L	5	0.26	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
2,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
4-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
4-Isopropyltoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Bromobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
Bromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Bromofom	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.6	0.08
Bromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	4.4	0.44
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	10	1
Chlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
Chloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Chloroform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	400	80
Chloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	8	0.8
cis-1,2-Dichloroethene	ug/L	1	-	-	-	-	-	-	0.71	ND	ND	ND	ND	ND	NA	70	7
cis-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.2	0.02
Dibromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	80	8
Dibromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Dichlorodifluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	1000	200
Ethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	700	140
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	0.42	ND	ND	ND	ND	ND	NA	60	12
Methylene chloride	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
n-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	40	8
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	NS
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	NS
Total Xylenes	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	10000	1000
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Styrene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	100	10
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
Toluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	1000	200
trans-1,2-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	100	20
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.2	0.02
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS
Vinyl chloride	ug/L	1	2.7	-	-	-	-	1.5	1.4	1.4	1.5	ND	1.4	ND	NA	0.2	0.02
Dilution Factor			X	X	X	X	X	X	X	1	1	1	1	1	NA	X	X

Notes:

- * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ES)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-5												NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	06/28/2000	10/04/2000	02/01/2001	04/08/2003	ESs	PALs	
Polycyclic Aromatic Hydrocarbons																	
Acenaphthene	ug/L	1	0.7	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	ND	NS	NS
Anthracene	ug/L	0.2	-	-	-	-	-	-	0.2	NA	NA	NA	NA	NA	ND	3000	800
Benzo(a)anthracene	ug/L	0.2	0.24	0.08	0.18	0.69	0.22	1.1	NA	NA	NA	NA	NA	NA	ND	NS	NS
Benzo(a)pyrene	ug/L	0.2	0.3	-	-	0.62	0.21	1.3	NA	NA	NA	NA	NA	NA	0.0273	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	0.17	0.07	0.15	0.35	0.13	1.8	NA	NA	NA	NA	NA	NA	0.0217	0.2	0.02
Benzo(g,h)fluoranthene	ug/L	0.2	0.27	-	-	0.65	0.35	1.1	NA	NA	NA	NA	NA	NA	ND	NS	NS
Benzo(k)fluoranthene	ug/L	0.2	0.12	-	-	-	0.05	0.66	NA	NA	NA	NA	NA	NA	ND	NS	NS
Chrysene	ug/L	0.2	0.2	-	-	-	0.15	1.1	NA	NA	NA	NA	NA	NA	ND	0.2	0.02
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	-	-	-	4.8	NA	NA	NA	NA	NA	NA	0.0215	NS	NS
Fluoranthene	ug/L	0.2	0.74	0.23	-	1.4	0.65	3.4	NA	NA	NA	NA	NA	NA	ND	400	80
Fluorene	ug/L	0.2	0.12	-	-	-	-	-	NA	NA	NA	NA	NA	NA	ND	400	80
Indeno[1,2,3-c,d]pyrene	ug/L	0.2	0.15	-	-	0.41	0.21	0.49	NA	NA	NA	NA	NA	NA	ND	NS	NS
Naphthalene	ug/L	0.5	0.06	-	-	-	-	-	NA	NA	NA	NA	NA	NA	ND	40	8
Phenanthrene	ug/L	0.2	0.56	-	-	-	-	1.5	NA	NA	NA	NA	NA	NA	ND	NS	NS
Pyrene	ug/L	0.2	0.35	0.26	-	0.92	0.2	2.4	NA	NA	NA	NA	NA	NA	ND	250	50
Dilution Factor			X	X	X	X	X	X	NA	NA	NA	NA	NA	NA	1	X	X
Nutrient Panel																	
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	390	370	360	NA	NA	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	390	370	360	NA	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	61	51.8	56	NA	NA	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	1.3	1.3	1.4	NA	NA	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	0.01	NA	NA	NA	NA	NS	NS
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	24	21	21	NA	NA	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	12	5.5	6.3	NA	NA	NA	NA	NS	NS
Metals																	
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	50	10
Arsenic (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	88	-	-	-	0.124	-	NA	NA	NA	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NA	50	10
Light Hydrocarbons																	
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	27	45.65	48.7	52.75	NA	NA	NA	NS	NS
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	0.19	<0.01	0.37	0.006692	NA	NA	NA	NS	NS
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	67	81	NA	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	1396	62	NA	NA	NA	NS	NS

Notes:

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- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ESs)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

Table 2
Mercury Marine Plant 18
 Hartford, Wisconsin
 Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-6												NR 140	
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	06/28/2000	10/04/2000	04/08/2003	ES#	PA#	
Volatile Organic Compounds																
1,1-Dichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	850	85
1,1-Dichloroethylene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	7	0.7
1,1-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
1,1,1-Trichloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	70	7
1,1,2-Trichloro-1,2,2-fluoret	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
1,1,2-Trichloroethane	ug/L	1	3.1	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02
1,2-Dibromoethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	600	60
1,2-Dichloroethane	ug/L	1	0.8	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
1,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
1,2,3-Trichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	60	12
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	70	14
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	480	96
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1250	125
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	75	15
2-chloroethylvinyl ether	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
2-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
2-Methyl naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
2,2-Dichloropropane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
4-Chlorotoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
4-isopropyltoluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
Bromobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Bromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.6	0.06
Bromoform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	4.4	0.44
Bromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	10	1
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
Chlorobenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Chloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	400	80
Chloroform	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	6	0.6
Chloromethane	ug/L	1	-	-	-	-	-	-	8.3	5.2	11	7.7	ND	7.27	3	0.3
cis-1,2-Dichloroethene	ug/L	1	5.6	4.4	4	5.2	3.6	4.8	2.3	2.1	1.9	2	1.91	70	7	
cis-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02
Dibromochloromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	60	6
Dibromomethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Dichlorodifluoromethane	ug/L	1	-	-	-	-	-	1.8	-	ND	ND	ND	ND	ND	1000	200
Ethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	700	140
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	-	1.1	ND	ND	ND	ND	60	12
Methylene chloride	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
n-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	40	8
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NS	NS
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NS	NS
Total Xylenes	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	10000	1000
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Styrene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	10
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
Toluene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1000	200
trans-1,2-Dichloroethene	ug/L	1	2.5	1.9	1.7	2.3	1.6	1.4	1.4	1.1	ND	1.1	0.84	100	20	
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02
Trichloroethene	ug/L	1	-	-	-	-	2.2	1.3	2.4	1.9	2.2	2.2	ND	5	0.5	
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
Vinyl chloride	ug/L	1	3.4	1.8	1.7	3.2	1.3	1.8	ND	1.2	1	ND	ND	0.2	0.02	
Dilution Factor			X	X	X	X	X	X	X	1	1	1	1	1	X	X

Notes: * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
 - = Concentration reported below unreported laboratory detection limit
bold = Exceeds NR 140 Enforcement Standards (ESs)
 bold #NAME? = #NAME?
 ND = Concentration reported below reported laboratory detection limit
 ug/L = Micrograms per liter
 NS = No standard established

Table 2
Mercury Marine Plant 18
Hartford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	MSA MW-6											NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	09/28/2000	10/04/2000	04/08/2003	ES#	PAL#	
Polycyclic Aromatic Hydrocarbons																
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Anthracene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	3000	600
Benzo(a)anthracene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Benzo(a)pyrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.2	0.02
Benzo(g,h)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Benzo(k)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Chrysene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.2	0.02
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	400	80
Fluorene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	400	80
Indeno[1,2,3-c,d]pyrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	40	8
Phenanthrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	NS	NS
Pyrene	ug/L	0.2	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	250	50
Dilution Factor			X	X	X	X	X	X	X	1	NA	NA	NA	NA	X	X
Nutrient Panel																
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	390	390	380	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	390	390	380	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	70	74.8	97	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	0.93	0.98	0.96	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NS	NS
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	70	120	51	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	5.2	3.3	8.8	NA	NA	NS	NS
Metals																
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	10
Arsenic (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	124	-	-	-	-	0.155	-	NA	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	10
Light Hydrocarbons																
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	27	41.52	46.46	48.85	NA	NS	NS
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	0.06	<0.01	0.001122	0.008546	NA	NS	NS
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	<5	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	10	45	NA	NS	NS

Notes:

- * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
- = Concentration reported below unreported laboratory detection limit
- bold** = Exceeds NR 140 Enforcement Standards (ESs)
- bold** = Exceeds NR140 Preventive Action Limits (PALs)
- ND = Concentration reported below reported laboratory detection limit
- ug/L = Micrograms per liter
- NS = No standard established

TABLE 4
Geoprobe Soil Analytical Results
Mercury Marine Plant #18
Metal Shavings Area (MSA)

Analyte	Location Depth	GP-1 6-8'	GP-1 8-10'	GP-2 6-8'	GP-2 8-10'	GP-3 2-4'	GP-3 6-8'	GP-4 4-6'	GP-4 8-10'	NR 720 Soil Cleanup Guidelines
FID/PID (iui)		1.8	0.7	62	4.6	0	0	117.2	1	***
Benzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.5
Bromoform		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Carbon Tetrachloride		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Chlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Chlorodibromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Chloroethane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
Chloroform		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Dichlorobromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Dichlorofluoromethane		NT	NT	NT	NT	NT	NT	NT	NT	***
Dichlorodifluoromethane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
1,1-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Ethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2900
Ethyl Ether**		NT	NT	NT	NT	NT	NT	NT	NT	***
Bromomethane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
2-Chloroethylvinyl Ether		NT	NT	NT	NT	NT	NT	NT	NT	***
Chloromethane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
Methylene Chloride		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1,2,2-Tetrachloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Toluene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1500
Trans-1,2-Dichloroethene		12.1	<5.0	<5.0	<5.0	25.0	<5.0	<5.0	<5.0	***
1,1,1-Trichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1,2-Trichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Trichlorofluoromethane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
Vinyl Chloride		17.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
Methylene Chloride		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,3-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,4-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
2,2-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Cis-1,2-Dichloroethene		45.4	<5.0	<5.0	<5.0	35.5	<5.0	<5.0	<5.0	***
Bromochloromethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloroethene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Dibromoethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,3-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4.9
Chloroform		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Dibromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
P,M-Xylene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	4100
O-Xylene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4100
Styrene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Isopropylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,2,3-Trichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Trans-1,3-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Cis-1,3-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,1,2-Trichloroethylene		23.9	<5.0	<5.0	<5.0	27.4	<5.0	<5.0	<5.0	***
Bromoform		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Tetrachloroethene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
N-Propylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
Bromobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
1,3,5-Trimethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
2-Chlorotoluene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
4-Chlorotoluene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Tert-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
1,2,4-Trimethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Sec-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
P-Isopropyltoluene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
N-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
1,2-Dibromo-3-Chloropropane		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
1,2,4-Trichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Hexachlorobutadiene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	***
1,2,3-Trichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	***
Gasoline Range Organics		-	-	-	-	-	-	-	-	100/250 ³
Diesel Range Organics		<3.5	<3.5	<3.5	<3.5	79.5	<3.5	22,900	<3.5	100/250 ³

KEY: All results are listed in ppb. GRO and DRO are listed in ppm.
 Depth in feet below ground surface
 iui = Instrument Units as Isobutylene (PID) Methane in air (FID)
 FID = Flame Ionization Detector
 PID = Photo Ionization Detector
 NT = Not Tested
 NQ = Not Present, Qualitative Only
 * = PID Used in Analysis
 ** = Ethyl Ether may be due to lab contamination
 *** = No Standard Established
 1 = GRO sample weight is less than the weight minimum set by WDNR, LUST analytical Guidance SW-141
 2 = DRO peaks outside chromatographic window
 3 = NR 720 Soil Cleanup Guidelines for GRO/DRO are: <100 mg/kg if hydraulic conductivity (k) > 1x10E-6 cm/sec;
 <250 mg/kg if k < 1x10E-6 cm/sec
 - = Not Analyzed due to Sample Quantity
BOLD = Shaded area indicates detected compounds
BOLD = Shaded area indicates NR 720 exceedance

TABLE 4
Geoprobe Soil Analytical Results
Mercury Marine Plant #18
Metal Shavings Area (MSA)

Analyte	Location Depth	GP-5 2-4'	GP-5 8-10'	GP-6 2-4'	GP-6 6-8'	STS/GP-13 2-4'	STS/GP-16 2-4'	STS/GP-17 2-4'	STS/GP-18 2-4'	STS/GP-23 1.5-2'	STS/GP-24 1.5-2'	STS/GP-25 2-4'	NR 720 Soil Cleanup Guidelines
FID/PID (iui)		15.5	0	0	3.1	<1*	<1*	<1*	<1*	<1*	<1*	<1*	***
Benzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	5.5
Bromoform		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Carbon Tetrachloride		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Chlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Chlorodibromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Chloroethane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
Chloroform		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Dichlorobromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Dichlorodifluoromethane		NT	NT	NT	NT	NQ	NT	NT	NT	NT	NT	NT	***
Dichlorodifluoromethane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
1,1-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Ethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	2900
Ethyl Ether**		NT	NT	NT	NT	14.0	NT	NT	NT	NT	NT	NT	***
Bromomethane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
2-Chloroethylvinyl Ether		NT	NT	NT	NT	NT	NT	NT	NQ	NT	NT	NT	***
Chloromethane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
Methylene Chloride		12.5	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1,2,2-Tetrachloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Toluene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	7.4	5.7	<5.0	<5.0	1500
Trans-1,2-Dichloroethene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1,1-Trichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	5.0	14.4	<5.0	***
1,1,2-Trichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Trichlorofluoromethane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
Vinyl Chloride		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
Methylene Chloride		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,3-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,4-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
2,2-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Cis-1,2-Dichloroethene		<5.0	<5.0	<5.0	50.6	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Bromochloromethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1-Dichloroethene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Dibromoethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,3-Dichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,2-Dichloroethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	4.9
Chloroform		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Dibromomethane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
P,M-Xylene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	4100
O-Xylene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	4100
Styrene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Isopropylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,2,3-Trichloropropane		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Trans-1,3-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Cis-1,3-Dichloropropene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,1,2-Trichloroethylene		<5.0	<5.0	<5.0	27.7	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Bromoform		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Tetrachloroethene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
N-Propylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
Bromobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
1,3,5-Trimethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
2-Chlorotoluene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
4-Chlorotoluene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Tert-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
1,2,4-Trimethylbenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Sec-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
P-Isopropyltoluene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
N-Butylbenzene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
1,2-Dibromo-3-Chloropropane		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
1,2,4-Trichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Hexachlorobutadiene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Naphthalene		<10.0	<10.0	<10.0	<10.0	<10.0	NT	NT	<10.0	<10.0	<10.0	<10.0	***
1,2,3-Trichlorobenzene		<5.0	<5.0	<5.0	<5.0	<5.0	NT	NT	<5.0	<5.0	<5.0	<5.0	***
Gasoline Range Organics		-	-	-	-	NT	NT	NT	<3.0 ¹	<3.0	<3.0 ¹	<3.0 ¹	100/250 ³
Diesel Range Organics		3,330	<3.5	<3.5	<3.5	73.7 ²	<3.5	78.4 ²	63.8 ²	122 ²	202 ²	91.0 ²	100/250 ³

KEY: All results are listed in ppb. GRO and DRO are listed in ppm.
 Depth in feet below ground surface
 iui = Instrument Units as Isobutylene (PID), Methane in air (FID)
 FID = Flame Ionization Detector
 PID = Photo Ionization Detector
 NT = Not Tested
 NQ = Not Present, Qualitative Only
 * = PID Used in Analysis
 ** = Ethyl Ether may be due to lab contamination
 *** = No Standard Established
 1 = GRO sample weight is less than the weight minimum set by WDNR, LUST analytical Guidance SW-141.
 2 = DRO peaks outside chromatographic window.
 3 = NR 720 Soil Cleanup Guidelines for GRO/DRO are: <100 mg/kg if hydraulic conductivity (k) > 1x10E-6 cm/sec;
 <250 mg/kg if k < 1x10E-6 cm/sec
 - = Not Analyzed due to Sample Quantity
BOLD = Shaded area indicates detected compounds
BOLD = Shaded area indicates NR 720 exceedance

TABLE 5
Monitoring Well Soil Analytical Results
Mercury Marine Plant #18
Metal Shavings Area (MSA)

Analyte	Sample Location/Depth Below Ground Surface (bgs)								NR 720 Soil Cleanup Guidelines
	MSA/MW-3		MSA/MW-4		MSA/MW-5		MSA/MW-6		
	4 - 6	10 - 12	4 - 6	8 - 10	6 - 8	10 - 12	6 - 8	8 - 10	
Benzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.5
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2900
Toluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1500
Total Xylenes	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	4100
Chloroethane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Chloromethane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Bromomethane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Dichlorodifluoromethane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Vinyl Chloride	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Methylene Chloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Trichlorofluoromethane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
1,1-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
trans-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Chloroform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,2-Dichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	4.9
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Carbon Tetrachloride	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Bromodichloromethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
trans-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1,2-Trichloroethylene	6.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Chlorodibromomethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1,2-Trichloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
cis-1,3-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Bromoform	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1,2,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Chlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,2-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,3-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,4-Dichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
cis-1,2-Dichloroethene	5.6	<5.0	<5.0	<5.0	<5.0	<5.0	9.2	<5.0	*
1,3-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,2,3-Trichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,2-Dibromoethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Isopropylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,1-Dichloropropene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Dibromomethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
2,2-Dichloropropane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Bromochloromethane	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Methyl-Tert-Butyl-Ether	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Styrene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
N-Propylbenzene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
Bromobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
2-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1,3,5-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
4-Chlorotoluene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
1-Butylbenzene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
1,2,4-Trimethylbenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Sec-Butylbenzene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
p-Isopropyltoluene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
n-Butylbenzene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
1,2-Dibromo-3-Chloropropane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
1,2,4-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Hexachlorobutadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Naphthalene	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
1,2,3-Trichlorobenzene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	*
Di-isopropyl Ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	*
DRO (ppm)	336	<3.5	2150	121	81.6	<3.5	<3.5	<3.5	100/250 ¹
GRO (ppm)	<3.0	<3.0	52.3	3.6	<3.0	<3.0	<3.0	<3.0	100/250 ¹
PCB-1016 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
PCB-1221 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
PCB-1232 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
PCB-1242 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
PCB-1248 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
PCB-1254 (ppm)	<100	<100	<100	<100	4600	2160	<100	<100	*
PCB-1260 (ppm)	<100	<100	<100	<100	<100	<100	<100	<100	*
Cadmium (mg/kg)	16.3	3.94	39.1	5.76	4.62	17.5	7.94	4.48	8.0/510 ²
Chromium (mg/kg)	16.9	7.11	32.8	11.4	13.5	14.4	14.4	15.4	14.0/200 ³
Lead (mg/kg)	234	10.9	228	19.5	22.7	26.8	23.1	11.1	50/500 ²
Silver (mg/kg)	0.0832	<0.0174	0.052	<0.0162	<0.015	<0.018	<0.0131	<0.0155	*
Arsenic (mg/kg)	13.1	3.94	10.8	4.04	4.73	20.2	3.51	1.79	0.039/1.6 ²
Barium (mg/kg)	132	27.2	<0.321	36.56	68.14	<0.496	138.2	45.07	*
Mercury (mg/kg)	0.044	<0.019	0.038	<0.02	0.161	0.018	0.038	<0.02	*
Selenium (mg/kg)	0.951	0.639	0.707	0.659	0.671	0.975	0.609	0.464	*

KEY: All concentrations listed in parts per billion (ppb) unless noted

mg/kg = milligrams per kilogram

ppm = parts per million

PCB = Polychlorinated Biphenyl

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

* = No Standard Established

BOLD = Indicates detected compounds

BOLD = Indicates NR 720 exceedance

(1) = NR 720 Soil Cleanup Guidelines for GRO/DRO are:

<100 mg/kg if hydraulic conductivity (k) > 1x10E-6 cm/sec

<250 mg/kg if k < 1x10E-6 cm/sec

(2) = 50/500 represents NR 720 Soil Cleanup Guidelines for non-industrial/industrial

(3) = Hexavalent chromium

Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

Monitoring Well	Elevation of Ground Surface	Elevation of Top of Casing	Depth to Groundwater from Top of Casing	Depth to Groundwater from Ground Surface	Groundwater Elevation	Date
KTA-MW-1	992.50	992.30	12.76	12.96	979.54	09/20/1999
			12.46	12.66	979.84	03/20/2000
			12.01	12.21	980.29	06/27/2000
			12.21	12.41	980.09	10/03/2000
			12.58	12.78	979.72	02/01/2001
KTA-MW-18	981.60	981.46	4.36	4.50	977.10	09/20/1999
			3.95	4.09	977.51	03/20/2000
			4.10	4.24	977.36	06/27/2000
			4.20	4.34	977.26	10/03/2000
			4.42	4.56	977.04	02/01/2001
ITA-MW-30	989.64	992.20	12.55	9.99	979.65	09/20/1999
			12.21	9.65	979.99	03/20/2000
			11.76	9.20	980.44	06/27/2000
			11.97	9.41	980.23	10/03/2000
			12.10	9.54	980.10	02/01/2001
MSA-MW-2	980.56	982.74	6.23	4.05	976.51	09/20/1999
			5.91	3.73	976.83	03/21/2000
			6.05	3.87	976.69	06/27/2000
			6.13	3.95	976.61	10/03/2000
			6.01	3.83	976.73	02/01/2001
MSA-MW-3	981.26	983.89	6.10	3.92	976.64	04/08/2003
			6.62	3.99	977.27	09/20/1999
			6.26	3.63	977.63	03/22/2000
			6.25	3.62	977.64	06/27/2000
			6.45	3.82	977.44	10/03/2000
MSA-MW-4	980.39	983.16	6.35	3.72	977.54	02/01/2001
			6.30	3.67	977.59	04/08/2003
			6.06	3.29	977.10	09/20/1999
			5.63	2.86	977.53	03/21/2000
			5.73	2.96	977.43	06/27/2000
MSA-MW-5	980.75	983.31	5.90	3.13	977.26	10/03/2000
			5.73	2.96	977.43	02/01/2001
			5.70	2.93	977.46	04/08/2003
			6.42	3.86	976.89	09/20/1999
			6.07	3.51	977.24	03/21/2000
MSA-MW-6	981.84	984.11	6.24	3.68	977.07	06/27/2000
			6.31	3.75	977.00	10/03/2000
			6.17	3.61	977.14	02/01/2001
			6.23	3.67	977.08	04/08/2003
			6.21	3.94	977.90	09/20/1999
MW-10	989.50	989.23	6.15	3.88	977.96	03/21/2000
			6.12	3.85	977.99	06/27/2000
			6.15	3.88	977.96	10/03/2000
			6.21	3.94	977.90	02/01/2001
			6.14	3.87	977.97	04/08/2003
MW-12	986.58	988.49	9.49	9.76	979.74	09/20/1999
			9.16	9.43	980.07	03/23/2000
			8.40	8.67	980.83	06/27/2000
			8.89	9.16	980.34	10/03/2000
			9.24	9.51	979.99	02/01/2001
MW-12	986.58	988.49	9.21	7.30	979.28	09/20/1999
			8.87	6.96	979.62	03/21/2000
			8.38	6.47	980.11	06/27/2000
			8.67	6.76	979.82	10/03/2000
			8.95	7.04	979.54	02/01/2001

Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

Monitoring Well	Elevation of Ground Surface	Elevation of Top of Casing	Depth to Groundwater from Top of Casing	Depth to Groundwater from Ground Surface	Groundwater Elevation	Date
MW-15	980.61	980.10	3.20	3.71	976.90	09/20/1999
			2.87	3.38	977.23	03/21/2000
			3.01	3.52	977.09	06/27/2000
			3.10	3.61	977.00	10/03/2000
			3.28	3.79	976.82	02/01/2001
			3.05	3.56	977.05	04/08/2003
MW-19	983.01	986.47	7.73	4.27	978.74	09/20/1999
			7.62	4.16	978.85	03/21/2000
			7.50	4.04	978.97	06/27/2000
			7.56	4.10	978.91	10/03/2000
			7.62	4.16	978.85	02/01/2001
MW-2	988.43	987.64	7.71	8.50	979.93	09/20/1999
			7.38	8.17	980.26	03/22/2000
			6.78	7.57	980.86	06/27/2000
			7.05	7.84	980.59	10/03/2000
			7.24	8.03	980.40	02/01/2001
NTA-MW-2	NS	NS	8.08	8.08	-8.08	09/20/1999
			7.72	7.72	-7.72	03/20/2000
			6.98	6.98	-6.98	06/27/2000
			7.48	7.48	-7.48	10/03/2000
			7.77	7.77	-7.77	02/01/2001
NTA-MW-11	984.39	984.87	6.20	5.72	978.67	09/20/1999
			5.87	5.39	979.00	03/20/2000
			5.41	4.93	979.46	06/27/2000
			5.85	5.37	979.02	10/03/2000
			6.32	5.84	978.55	02/01/2001
PTC-AS-1	NS	NS	6.23	5.75	978.64	04/08/2003
			12.14	12.14	-12.14	09/20/1999
			11.90	11.90	-11.90	03/20/2000
			11.65	11.65	-11.65	06/27/2000
			11.72	11.72	-11.72	10/03/2000
			12.27	12.27	-12.27	02/01/2001
			11.92	11.92	-11.92	08/23/2001
			11.95	11.95	-11.95	02/19/2002
			12.60	12.60	-12.60	04/08/2003
PTC-MW-2	992.66	992.14	12.88	12.88	-12.88	09/08/2003
			12.48	12.48	-12.48	12/11/2003
			12.10	12.62	980.04	09/20/1999
			11.83	12.35	980.31	03/23/2000
			11.30	11.82	980.84	06/27/2000
			11.68	12.20	980.46	10/03/2000
			12.30	12.82	979.84	02/01/2001
			11.88	12.40	980.26	08/23/2001
			11.94	12.46	980.20	02/19/2002
			12.56	13.08	979.58	04/08/2003
			12.87	13.39	979.27	09/08/2003
			12.41	12.93	979.73	12/11/2003

Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

Monitoring Well	Elevation of Ground Surface	Elevation of Top of Casing	Depth to Groundwater from Top of Casing	Depth to Groundwater from Ground Surface	Groundwater Elevation	Date
PTC-MW-4	992.61	992.38	13.03	13.26	979.35	09/20/1999
			12.75	12.98	979.63	03/20/2000
			12.36	12.59	980.02	06/27/2000
			12.55	12.78	979.83	10/03/2000
				Under Machinery		04/08/2003
				Under Machinery		09/08/2003
				Under Machinery		12/11/2003
PTC-MW-5	988.64	988.30	5.76	6.10	982.54	09/20/1999
			5.56	5.90	982.74	03/20/2000
			5.28	5.62	983.02	06/27/2000
			5.13	5.47	983.17	10/03/2000
			5.13	5.47	983.17	02/01/2001
			5.05	5.39	983.25	08/23/2001
			5.20	5.54	983.10	02/19/2002
			5.17	5.51	983.13	04/08/2003
			5.47	5.81	982.83	09/08/2003
			5.06	5.40	983.24	12/11/2003
PTC-MW-6	990.97	990.73	10.77	11.01	979.96	09/20/1999
			10.38	10.62	980.35	03/20/2000
			9.95	10.19	980.78	06/27/2000
			10.71	10.95	980.02	10/03/2000
			10.89	11.13	979.84	08/23/2001
			10.90	11.14	979.83	02/19/2002
			11.46	11.70	979.27	04/08/2003
			12.02	12.26	978.71	09/08/2003
			11.41	11.65	979.32	12/11/2003
			PTC-MW-7	990.34	989.87	10.27
10.00	10.47	979.87				03/22/2000
9.55	10.02	980.32				06/27/2000
9.87	10.34	980.00				10/03/2000
10.21	10.68	979.66				02/01/2001
9.95	10.42	979.92				08/23/2001
9.94	10.41	979.93				02/19/2002
3.98	4.45	985.89				04/08/2003
11.14	11.61	978.73				09/08/2003
10.55	11.02	979.32				12/11/2003
PTC-MW-8	993.90	993.77	14.21	14.34	979.56	09/20/1999
			13.94	14.07	979.83	03/22/2000
			13.51	13.64	980.26	06/27/2000
			10.91	11.04	982.86	10/03/2000
			11.29	11.42	982.48	02/01/2001
			11.04	11.17	982.73	08/23/2001
			11.04	11.17	982.73	02/19/2002
			11.65	11.78	982.12	04/08/2003
			12.17	12.30	981.60	09/08/2003
			11.58	11.71	982.19	12/11/2003
PTC-MW-9	993.77	NS	10.65	NA	NA	09/20/1999
			9.76	NA	NA	03/23/2000
			8.92	NA	NA	06/27/2000
			9.70	NA	NA	10/03/2000
			9.68	NA	NA	02/01/2001

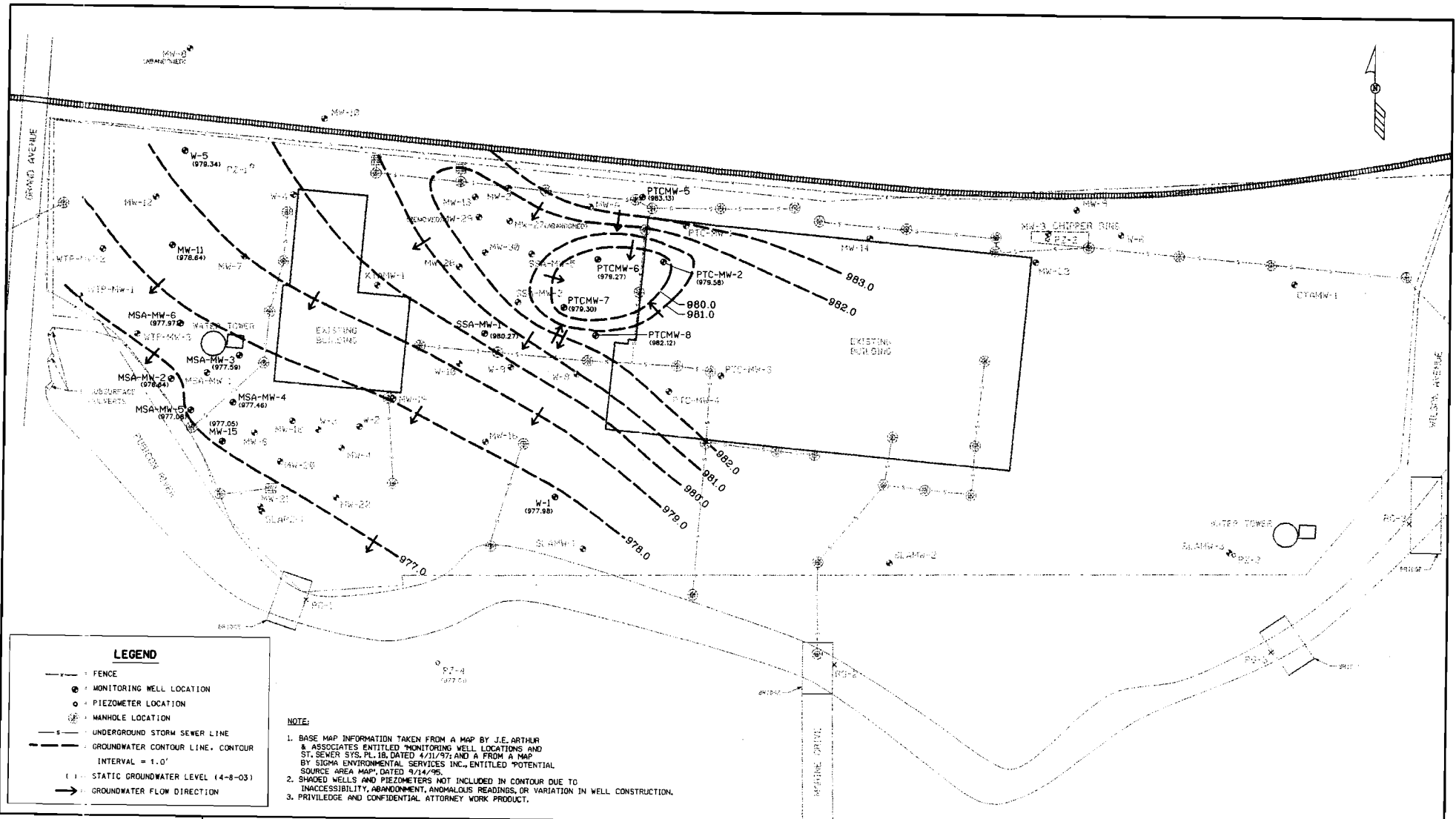
Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

Monitoring Well	Elevation of Ground Surface	Elevation of Top of Casing	Depth to Groundwater from Top of Casing	Depth to Groundwater from Ground Surface	Groundwater Elevation	Date
PZ-1	988.82	988.15	8.58	9.25	979.57	09/20/1999
			8.25	8.92	979.90	03/21/2000
			7.71	8.38	980.44	06/27/2000
			8.00	8.67	980.15	10/03/2000
PZ-3	985.18	984.83	4.53	4.88	980.30	09/20/1999
			3.49	3.84	981.34	03/20/2000
			3.28	3.63	3.98	06/27/2000
			BURIED	BURIED	BURIED	10/03/2000
PZ-5	NS	NS	7.50	7.50	-7.50	09/20/1999
			7.60	7.60	-7.60	03/20/2000
			7.29	7.29	-7.29	06/27/2000
			7.41	7.41	-7.41	10/03/2000
			7.75	7.75	-7.75	02/01/2001
PZ-6	982.32	983.88	7.82	7.82	-7.82	04/08/2003
			4.94	3.38	978.94	09/20/1999
			5.16	3.60	978.72	03/20/2000
			4.85	3.29	979.03	06/27/2000
			5.05	3.49	978.83	10/03/2000
			5.17	3.61	978.71	02/01/2001
SLA-MW-20	979.95	979.59	5.62	4.06	978.26	09/08/2003
			2.55	2.91	977.04	09/20/1999
			1.88	2.24	977.71	03/20/2000
			2.24	2.60	977.35	06/27/2000
SLA-MW-21	981.21	984.73	BURIED	BURIED	BURIED	10/03/2000
			7.32	3.80	977.41	09/20/1999
			6.97	3.45	977.76	03/22/2000
			7.34	3.82	977.39	06/27/2000
			7.32	3.80	977.41	10/03/2000
SLA-PZ-1	983.73	983.57	7.06	3.54	977.67	02/01/2001
			6.31	6.47	977.26	09/20/1999
			5.90	6.06	977.67	03/22/2000
			6.07	6.23	977.50	06/27/2000
			6.13	6.29	977.44	10/03/2000
SSA-MW-1	NS	992.13	5.97	6.13	977.60	02/01/2001
			5.93	6.09	977.64	04/08/2003
			12.56	NA	979.57	09/20/1999
			12.25	NA	979.88	03/23/2000
			11.83	NA	980.30	06/27/2000
SSA-MW-1	NS	992.13	12.03	NA	980.10	10/03/2000
			12.37	NA	979.76	02/01/2001
			11.86	NA	980.27	04/08/2003

Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

Monitoring Well	Elevation of Ground Surface	Elevation of Top of Casing	Depth to Groundwater from Top of Casing	Depth to Groundwater from Ground Surface	Groundwater Elevation	Date
W-1	983.41	983.03	5.60	5.98	977.43	09/20/1999
			5.17	5.55	977.86	03/23/2000
			5.26	5.64	977.77	06/27/2000
			5.31	5.69	977.72	10/03/2000
			5.07	5.45	977.96	02/01/2001
			5.28	5.66	977.75	08/23/2001
			4.83	5.21	978.20	02/19/2002
W-2	982.94	985.47	5.05	5.43	977.98	04/08/2003
			5.55	3.02	979.92	09/20/1999
			5.12	2.59	980.35	03/21/2000
			5.28	2.75	980.19	06/27/2000
			5.35	2.82	980.12	10/03/2000
W-5	988.27	991.88	5.44	2.91	980.03	02/01/2001
			12.34	8.73	979.54	09/20/1999
			11.97	8.36	979.91	03/23/2000
			11.33	7.72	980.55	06/27/2000
WTP-MW-3	982.84	982.69	11.76	8.15	980.12	10/03/2000
			12.54	8.93	979.34	04/08/2003
			5.48	5.63	977.21	09/20/1999
			5.17	5.32	977.52	03/20/2000
			5.27	5.42	977.42	06/27/2000
Culvert A	NS	981.95	5.38	5.53	977.31	10/03/2000
			5.28	5.43	977.41	02/01/2001
			4.80	NA	977.15	09/20/1999
			4.50	NA	977.45	03/20/2000
Culvert B	NS	982.82	4.72	NA	977.23	06/27/2000
			4.78	NA	977.17	10/03/2000
			5.95	NA	976.87	09/20/1999
			5.64	NA	977.18	03/20/2000
Culvert C	NS	981.71	5.82	NA	977.00	06/27/2000
			5.91	NA	976.91	10/03/2000
			5.05	NA	976.66	09/20/1999
Culvert C	NS	981.71	4.77	NA	976.94	03/20/2000
			5.00	NA	976.71	06/27/2000
			5.03	NA	976.68	10/03/2000

Note: Elevations taken relative to Mean Sea Level



LEGEND

- FENCE
- MONITORING WELL LOCATION
- PIEZOMETER LOCATION
- ⊙ MANHOLE LOCATION
- - - UNDERGROUND STORM SEWER LINE
- - - GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 1.0'
- () STATIC GROUNDWATER LEVEL (4-8-03)
- GROUNDWATER FLOW DIRECTION

NOTE:

1. BASE MAP INFORMATION TAKEN FROM A MAP BY J.E. ARTHUR & ASSOCIATES ENTITLED "MONITORING WELL LOCATIONS AND ST. SEWER SYS. PL. 18, DATED 4/11/97; AND A FROM A MAP BY SIGMA ENVIRONMENTAL SERVICES INC., ENTITLED "POTENTIAL SOURCE AREA MAP", DATED 9/14/96.
2. SHADED WELLS AND PIEZOMETERS NOT INCLUDED IN CONTOUR DUE TO INACCESSIBILITY, ABANDONMENT, ANOMALOUS READINGS, OR VARIATION IN WELL CONSTRUCTION.
3. PRIVILEGE AND CONFIDENTIAL ATTORNEY WORK PRODUCT.

SIGMA
 ENVIRONMENTAL SERVICES INC.
 220 EAS: RYAN ROAD
 DAK CREEK, WISCONSIN 53154
 PHONE: (414) 768-7144
 1-800-732-4671

SCALE - 1" = 150' - 0"

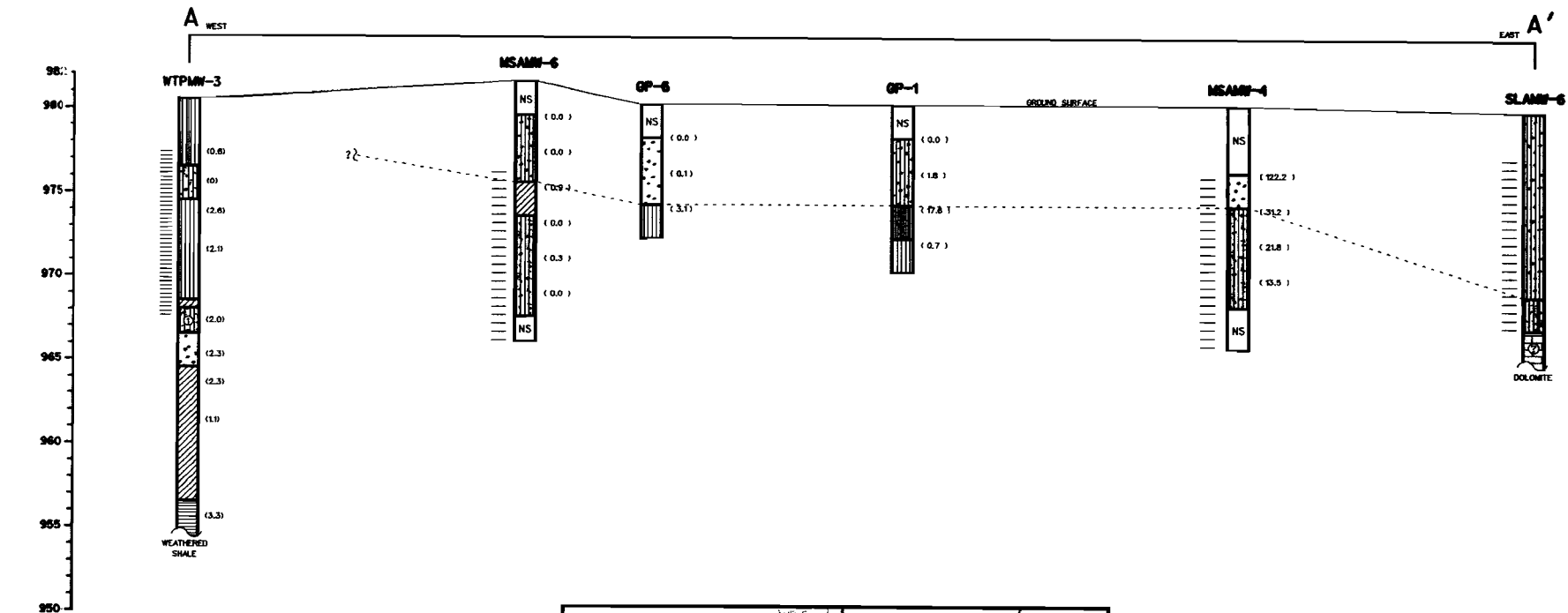
NO	DATE	REVISIONS	BY	APVD

NAME:	DATE:
DRAWN BY: BEB	11-21-03
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	

MERCURY MARINE PLANT 18
105 MARINE DRIVE, HARTFORD, WISCONSIN
GROUNDWATER CONTOUR MAP (4-8-03)

DRAWING NUMBER
 7275-001

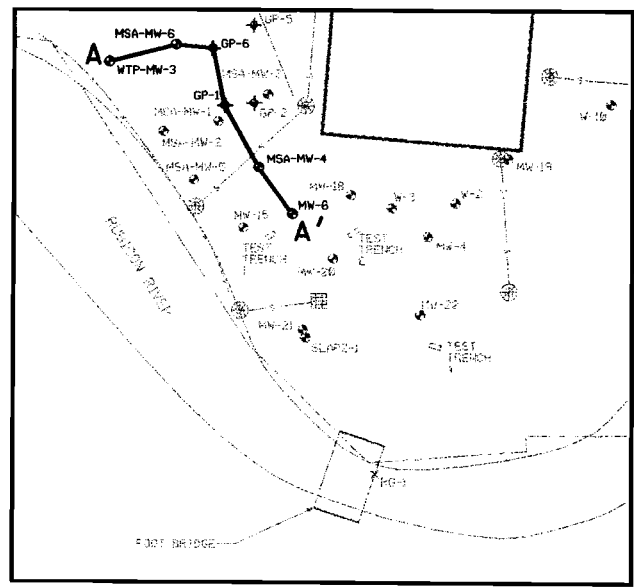
FIGURE 1



ELEVATION RELATIVE TO MEAN SEA LEVEL (IN FEET)

LEGEND

- = WELL SCREEN INTERVAL
- = STATIC WATER LEVEL (5-97)
- = INFERRED CONTACT
- = NOT SAMPLED



CROSS SECTION LOCATION

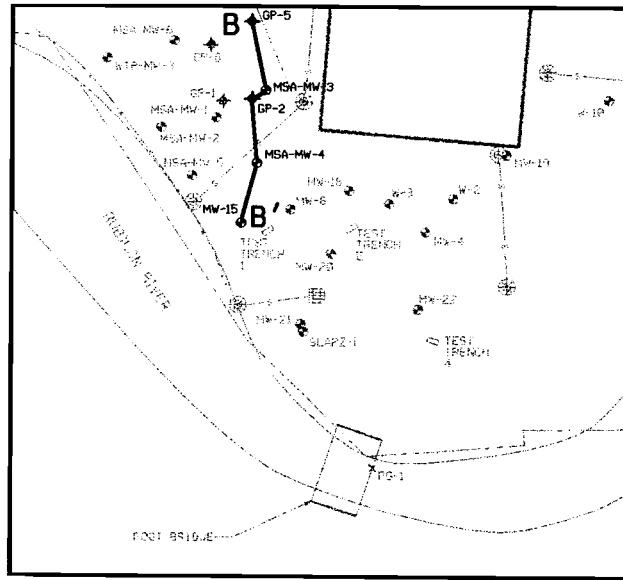
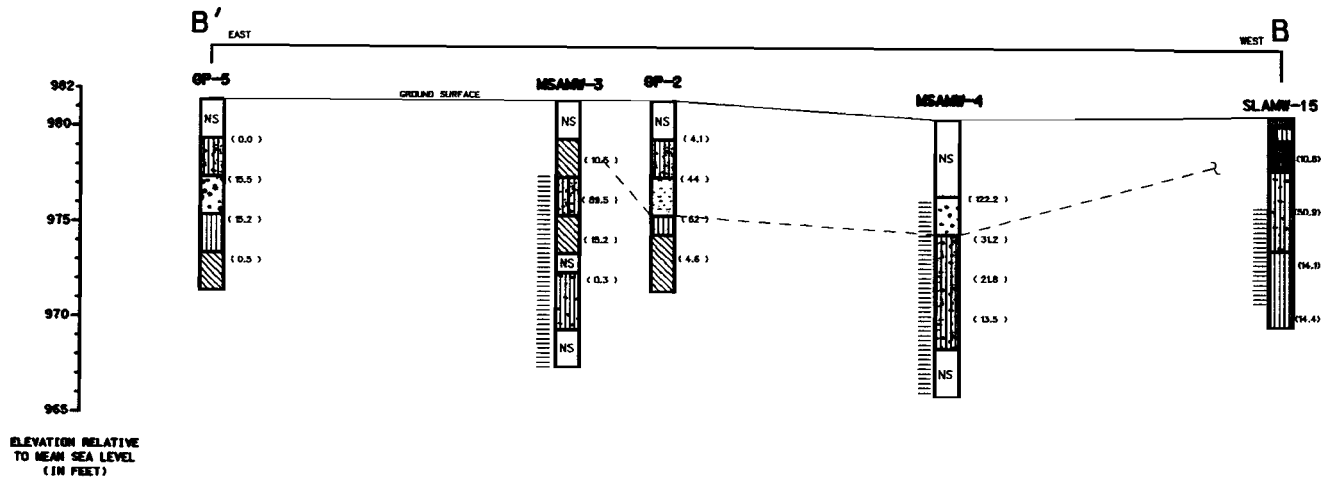
NOT TO SCALE
 GEOPROBE AND TRENCH LOCATIONS WERE NOT INCLUDED IN SURVEY AND ARE FOR REFERENCE ONLY.

USCS SYMBOLS

- GM - SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES.
- SW - WELL - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
- SM - SILTY - SANDS, SAND - SILT MIXTURES.
- ML - INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
- CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SAND CLAYS, SILTY CLAYS, LEAM CLAYS.
- OL - ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY.

NOTES:
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 5'
 () = FIELD PHOTOIONIZATION DETECTION RESULTS, EXPRESSED AS INSTRUMENT UNITS AS CALIBRATED TO 100 PPM ISOBUTYLENE (IUT).

MERCURY MARINE - PLANT #18		
105 MARINE DRIVE, HARTFORD, WISCONSIN		
DATE: 10-31-97	DR. BY: TMM	DR.# 3936-004
GEOLOGIC CROSS SECTION A - A'		SCALE: SEE NOTES
		FIGURE 4-5



CROSS SECTION LOCATION
 NOT TO SCALE
 GEOPROBE AND TRENCH LOCATIONS WERE NOT INCLUDED IN SURVEY.

LEGEND

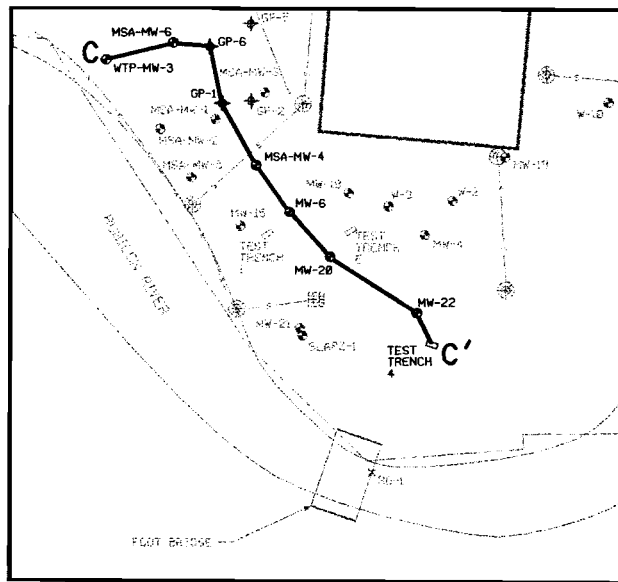
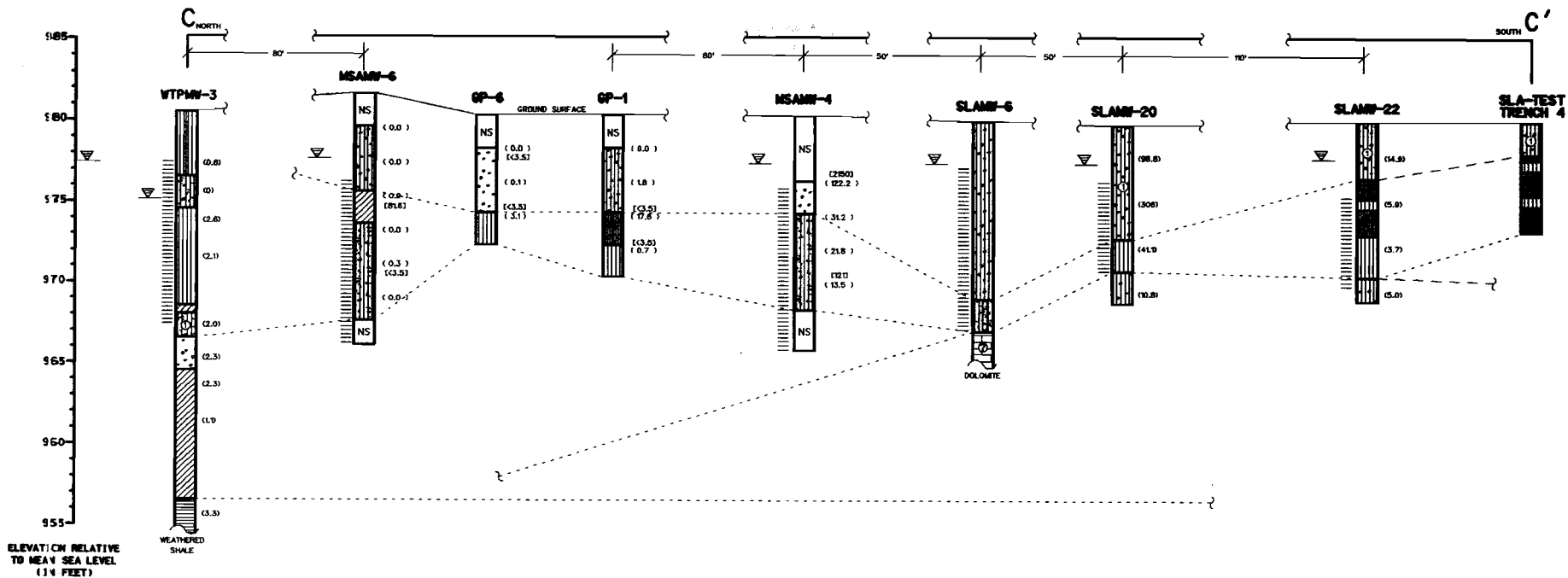
	WELL SCREEN INTERVAL
	STATIC WATER LEVEL
	INFERRED CONTACT (S-97)
	NOT SAMPLED

USCS SYMBOLS

	GW - WELL - GRADED GRAVELS, GRAVEL - SAND MIXTURES LITTLE OR NO FINES.
	GW - SILTY GRAVELS, GRAVEL - SAND - SILTY MIXTURES.
	SW - WELL - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
	SP - POORLY - GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES.
	SW - SILTY - SANDS, SAND - SILTY MIXTURES.
	ML - INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY.
	CL - INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SAND CLAYS, SILTY CLAYS, LEAM CLAYS.

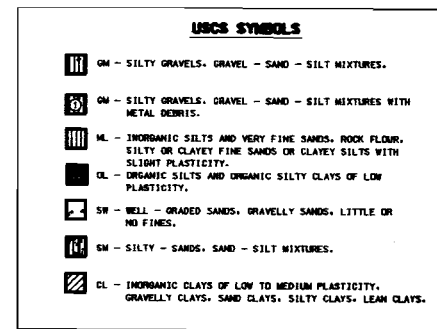
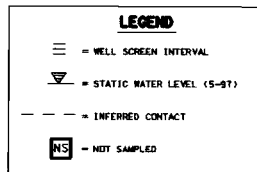
NOTES:
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 5'
 () = FIELD PHOTOIONIZATION DETECTION RESULTS, EXPRESSED AS INSTRUMENT UNITS AS ISOBUTYLENE (IUF).

MERCURY MARINE - PLANT 18		
HARTFORD, WISCONSIN		
DATE: 8-7-97	DR. BY: TMM	DR.# 3936-005
GEOLOGIC CROSS SECTION B - B'		SCALE: SEE NOTES
		FIGURE



CROSS SECTION LOCATION

NOT TO SCALE
 GEOPRIBE AND TRENCH LOCATIONS WERE NOT INCLUDED IN SURVEY AND ARE FOR REFERENCE ONLY.



NOTES:
 HORIZONTAL SCALE: 1" = 20'
 VERTICAL SCALE: 1" = 5'
 () = FIELD PHOTONIZATION DETECTION RESULTS, EXPRESSED AS INSTRUMENT UNITS AS CALIBRATED TO 100ppm ISOBUTYLENE (IUI).

MERCURY MARINE - PLANT #18		
105 MARINE DRIVE, HARTFORD, WISCONSIN		
DATE: 10-31-97	DR. BY: TMM	DR.# 3936-006
SCALE: SEE NOTES		
GEOLOGIC CROSS SECTION C - C'		FIGURE 4-7

Mercury Marine, the responsible party for the former Mercury Marine Plant 18 property located at 105 Steel Craft Drive, Hartford, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this statement) for case file reference 02-67-184670 is complete and accurate to the best of our knowledge.

Craig F. Deuk Sr. Environmental Engineer
Signature and Title of Representative for Responsible Party:

8/12/04
Date: