



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.

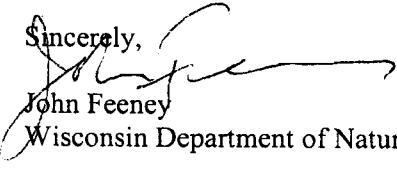
Geographic Information System (GIS)

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>

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

Sincerely,



John Feeny

Wisconsin Department of Natural Resources

Cc: SER File
Sigma Environmental Services, Inc.

**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
\$12,000⁰⁰
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.

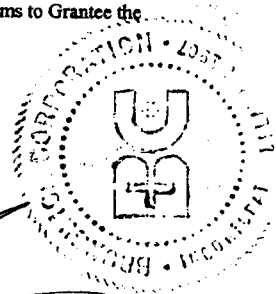
For the consideration of Ten Dollars, and other valuable consideration, Grantor hereby quit claims to Grantee the following real property located in Washington County, Wisconsin:

(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: *C.M. Berry*
C.M. Berry, Assistant Secretary

Jacquelyn Mohr
Jacquelyn 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.



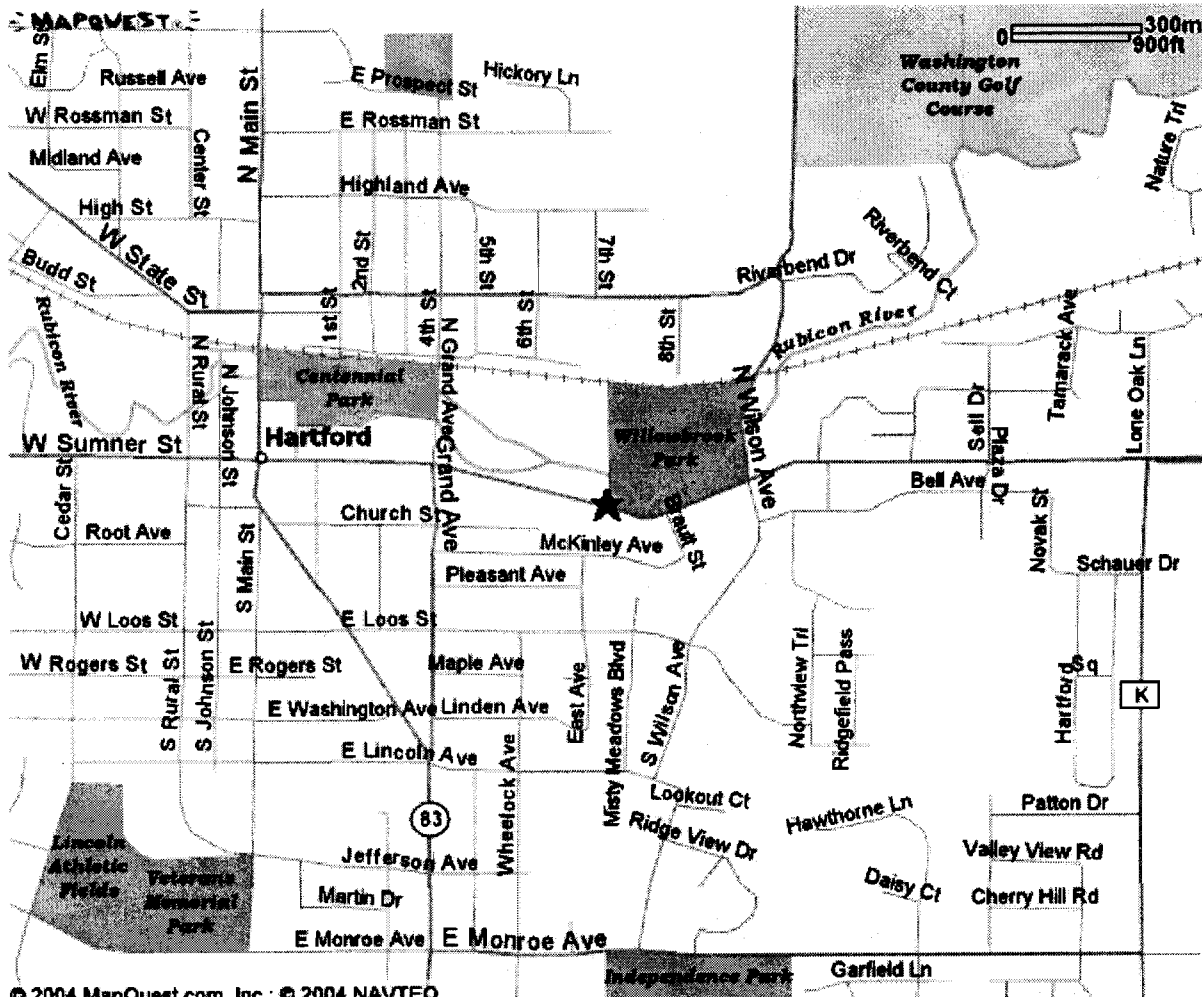
Send To Printer Back to Map

105 Steelcraft Dr
Hartford WI
53027-1631 US

Notes:

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Suite Deals
ON ORBITZ HOTELS



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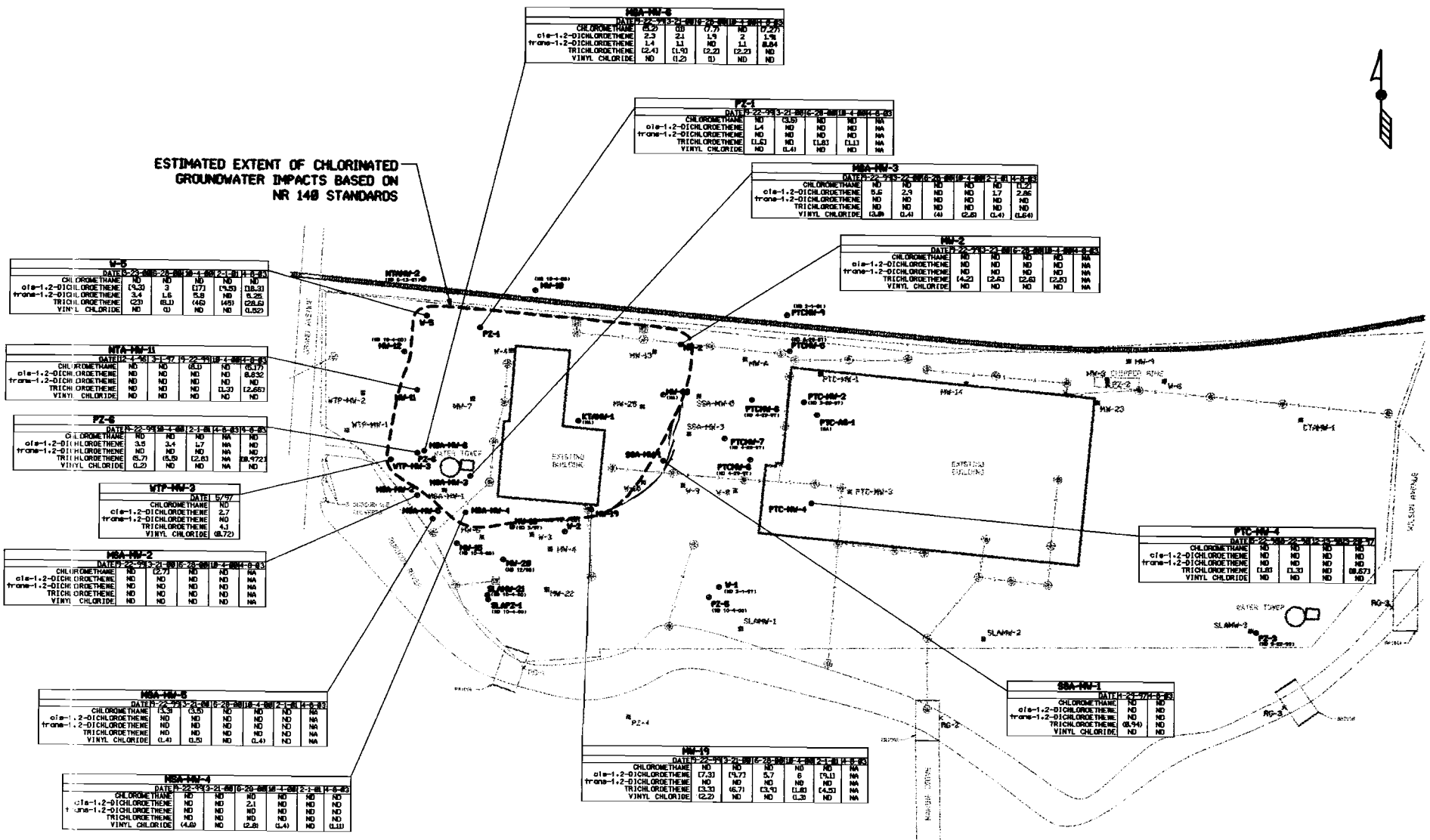
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**ESTIMATED EXTENT OF CHLORINATED
GROUNDWATER IMPACTS BASED ON
NR 148 STANDARDS**



MBA-MW-6 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	NO
cis-1,2-DICHLOROETHENE	2.3	2.1	1.9	2	1.5
trans-1,2-DICHLOROETHENE	1.4	1.1	0.7	1.1	1.1
TRICHLOROETHENE	(2.4)	(1.9)	(2.2)	(2.2)	ND
VINYL CHLORIDE	ND	(1.2)	0	ND	ND

PZ-1 DATE: 2-22-93

CHLOROMETHANE	NO	(3.5)	ND	ND	NA
cis-1,2-DICHLOROETHENE	NA	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
TRICHLOROETHENE	(1.6)	ND	(1.8)	(1.1)	NA
VINYL CHLORIDE	ND	(1.4)	ND	ND	NA

MBA-MW-3 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	(1.2)
cis-1,2-DICHLOROETHENE	5.5	2.9	ND	ND	1.7
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	(4)	ND	ND
VINYL CHLORIDE	(3.8)	0.4	(4)	(2.5)	(1.4)

MW-2 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	NA
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
TRICHLOROETHENE	(4.2)	(2.4)	(2.6)	(2.6)	NA
VINYL CHLORIDE	ND	ND	ND	ND	NA

U-5 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	(9.3)	3	(7.7)	(9.5)	(8.3)
trans-1,2-DICHLOROETHENE	3.4	1.5	5.9	ND	5.25
TRICHLOROETHENE	(2.3)	(5.1)	(4.5)	(4.9)	(26.5)
VINYL CHLORIDE	ND	0	ND	ND	(1.52)

MBA-MW-11 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	8.232
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND

PZ-5 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	3.5	3.4	1.7	NA	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	NA	ND
TRICHLOROETHENE	(5.7)	(5.9)	(2.6)	NA	88.472
VINYL CHLORIDE	(1.2)	ND	ND	NA	ND

WTP-MW-2 DATE: 5/97

CHLOROMETHANE	NO	ND	ND	ND	ND
cis-1,2-DICHLOROETHENE	2.7	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	4.1	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND
VINYL CHLORIDE	(8.72)	ND	ND	ND	ND

MBA-MW-2 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	(2.7)	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
TRICHLOROETHENE	ND	ND	ND	ND	NA
VINYL CHLORIDE	ND	ND	ND	ND	NA

MBA-MW-8 DATE: 2-22-93

CHLOROMETHANE	(2.3)	(3.5)	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
TRICHLOROETHENE	ND	ND	ND	ND	NA
VINYL CHLORIDE	(1.4)	(1.5)	ND	(1.4)	ND

MBA-MW-4 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	ND	2.1	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND
VINYL CHLORIDE	(4.6)	ND	(2.8)	(1.4)	(1.1)

MW-19 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	NA
cis-1,2-DICHLOROETHENE	(7.3)	(9.7)	5.7	8	(1.1)
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	NA
TRICHLOROETHENE	(3.3)	(6.7)	(3.7)	(4.5)	NA
VINYL CHLORIDE	(2.2)	ND	ND	(1.3)	NA

PTC-MW-4 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	(1.3)	(1.3)	ND	ND	(8.27)
VINYL CHLORIDE	ND	ND	ND	ND	ND

SBA-MW-1 DATE: 2-22-93

CHLOROMETHANE	NO	NO	NO	NO	ND
cis-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
trans-1,2-DICHLOROETHENE	ND	ND	ND	ND	ND
TRICHLOROETHENE	ND	ND	ND	ND	ND
VINYL CHLORIDE	ND	ND	ND	ND	ND

LEGEND

- FENCE
- MONITORING WELL / PIZZOMETER LOCATION
- ABANDONED MONITORING WELL / PIZZOMETER

ANALYTICAL KEY

- () EXCEEDS NR 148 ENFORCEMENT STANDARDS
- () EXCEEDS NR 148 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)

- NOTES:**
- BASE MAP INFORMATION TAKEN FROM A MAP BY J.E. ARTHUR & ASSOCIATES ENTITLED "MONITORING WELL LOCATIONS AND ST. SEVER STS. PL. 18, DATED 4/12/97."
 - WELLS LABELED ND INDICATES LAST FOUR SAMPLING EVENTS REPORTED CHLORINATED COMPOUNDS BELOW LABORATORY DETECTION LIMITS WHERE SAMPLED.

SICMA
ENVIRONMENTAL SERVICES, INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
PHONE: (414) 769-1144
1-800-732-4671

SCALE - 1" = 150' - 0"

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
SITE WIDE GROUNDWATER QUALITY MAP - CHLORINATED COMPOUNDS

DRAWING NUMBER
3931-009

FIGURE 2

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	ESs	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	850	85
1,1-Dichloroethylene	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	80
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	123
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	6	0.6
Chloromethane	ug/L	1	-	-	-	-	-	-	0.97	ND	2.7	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	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	NS	NS
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	100	10
Tetrachloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	NS	NS
Toluene	ug/L	1	3.6	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5
trans-1,2-Dichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	1000	200
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	100	20
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	0.2	0.02
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	NA	5	0.5
Vinyl chloride	ug/L	1	1.5	2.1	-	3.5	3.4	-	2.1	ND	ND	ND	ND	NA	NS	NS
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 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-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 ^a	PAL ^b	
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	NA	<5.0	3000	600
Benzo(a)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.109	NS	NS
Benzo(a)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.13	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	0.091	0.2	0.02
Benzo(g,h)perylene	ug/L	0.2	NA	-	-	-	-	-	-	0.492	NA	NA	NA	NA	<5.0	NS	NS
Benzo(k)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	<1.0	NS	NS
Chrysene	ug/L	0.2	NA	0.04	-	-	-	-	-	0.078	0.252	NA	NA	NA	0.173	0.2	0.02
Dibenzo(a,h)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	<0.1	NS	NS
Fluoranthene	ug/L	0.2	NA	-	-	-	-	-	0.026	0.454	NA	NA	NA	NA	<5.0	400	80
Fluorene	ug/L	0.2	NA	-	-	-	-	-	0.13	ND	NA	NA	NA	NA	<5.0	400	80
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	<0.2	NS	NS
Naphthalene	ug/L	0.5	NA	-	-	-	-	-	-	ND	NA	NA	NA	NA	<5.0	40	8
Phenanthrene	ug/L	0.2	NA	-	-	-	-	-	-	0.256	NA	NA	NA	NA	<5.0	NS	NS
Pyrene	ug/L	0.2	NA	-	-	-	-	-	-	0.044	0.467	NA	NA	NA	<5.0	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	820	500	530	NA	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	820	500	530	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	<10	NA	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	<10	NA	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	56	43.4	52	NA	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	0.45	0.35	0.34	NA	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.012	NA	NA	NA	NS	NS
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	30	67	79	NA	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	8.5	11	17	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	-	-	-	12	0.148	-	NA	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	NA	106	-	-	-	-	-	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	NA	25	39.94	65.31	62.38	NA	NS	NS	NS
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	1.82	0.57	2.38	5.01	NA	NS	NS	NS
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	51	71	NA	NS	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	714	1527	NA	NS	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	09/20/1996	12/23/1996	03/01/1997	09/22/1999	03/22/2000	09/28/2000	10/04/2000	02/01/2001	04/08/2003	ES*	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-fluoroethane	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	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	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	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	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	ND	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	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	20	
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02	
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5	
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	
Vinyl chloride	ug/L	1	4.8	-	2.5	1.7	1.8	1.1	3.8	1.4	4	2.8	1.4	1.84	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** = 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	08/22/1998	03/22/2000	06/28/2000	10/04/2000	02/01/2001	04/08/2003	ESs	PALs		
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,i)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	
Dibenz(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	NS	NS		
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	32	22.1	26	NA	NA	NA	NS	NS		
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	0.060	0.07	0.062	NA	NA	NA	NS	NS		
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	ND	ND	0.013	NA	NA	NA	NS	NS		
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	2	19	4	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	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	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	-	-	-	4.5	-	-	NA	NA	NA	NA	NA	NA	50	5		
Barium (Soluble)	ug/L	X	94	-	-	-	0.83	-	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	2	1.83	3.84	5.62	NA	NA	NS	NS		
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	1.7	4.5	4.98	4.15	NA	NA	NS	NS		
Ethylene	ug/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	313	447	NA	NA	NS	NS		
Ethane	ug/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	3665	4202	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-4													NR 140	
			10/31/1995	02/13/1996	05/21/1996	08/22/1996	12/23/1996	03/01/1997	08/22/1999	03/21/2000	09/28/2000	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	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-fluoroet	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	
1,1,2-Trichloroethane	ug/L	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	-	-	-	-	-	-	-	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	1.68	NS	
1,3,5-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	2.14	NS	
Total Trimethylbenzene	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	3.8	480	
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	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	3	0.3	
cis-1,2-Dichloroethane	ug/L	1	-	-	-	2.3	-	-	-	ND	ND	2.1	ND	ND	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	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1000	200	
Ethylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.536	700	
Hexachlorobutadiene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	
Isopropylbenzene (Cumene)	ug/L	1	-	-	-	-	-	-	0.64	ND	ND	ND	ND	ND	3.23	NS	
Methyl Tertiary Butyl Ether	ug/L	1	-	-	-	-	-	-	-	ND	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	1.34	NS	
n-Propylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	
Naphthalene	ug/L	5	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.06	40	
o-Xylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	
p & m -Xylene	ug/L	2	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NS	
Total Xylenes	ug/L	X	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.69	10000	
sec-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.15	NS	
Styrene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	10	
tert-Butylbenzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	1.37	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	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	100	20	
trans-1,3-Dichloropropene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	0.2	0.02	
Trichloroethene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5	
Trichlorofluoromethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS	
Vinyl chloride	ug/L	1	-	-	-	4.1	-	-	-	4.8	ND	2.8	ND	ND	1.1	0.2	
Dilution Factor			X	X	X	X	X	X	X	1	1	1	1	1	1	X	

Notes:
 Groundwater samples for VOC analysis were collected on June 5, 2003
 * = 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-4													NR 140	
			10/31/1995	02/13/1996	05/21/1996	09/22/1996	12/23/1996	03/01/1997	09/22/1996	03/21/2000	06/28/2000	10/04/2000	02/01/2001	04/08/2003	ES*	PAL*	
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,i)perylene	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	0.06	-	-	-	-	-	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	NA	NA	NA	NA	NA	NA	1	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	6.86	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	09/22/1999	03/21/2000	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	NA	850	85	
1,1-Dichloroethylene	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	60	12	
1,2,4-Trichlorobenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	70	14	
1,2,4-Trimethylbenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
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	480	96	
1,3-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	1250	125	
1,3-Dichloropropane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
1,4-Dichlorobenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	75	15	
2-chloromethyl vinyl ether	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
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	5	0.5	
Bromobenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
Bromochloromethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
Bromodichloromethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	0.6	0.06	
Bromofom	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	4.4	0.44	
Bromomethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	10	1	
Carbon tetrachloride	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	5	0.5	
Chlorobenzene	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	NS	NS	
Chloroethane	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	400	80	
Chloroform	ug/L	1	-	-	-	-	-	-	ND	ND	ND	ND	ND	NA	6	0.6	
Chloromethane	ug/L	1	-	-	-	-	-	-	3.3	3.3	ND	ND	ND	NA	3	0.3	
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	60	6	
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	ND	ND	ND	ND	ND	NA	NS	NS	
p & m -Xylene	ug/L	2	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 (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-5												NR 140		
			10/31/1995	02/13/1996	05/21/1996	08/20/1996	12/23/1996	03/01/1997	09/22/1997	03/21/2000	06/28/2000	10/04/2000	02/01/2001	04/08/2003	ES _a	PAL _a	
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	600
Benzo[a]anthracene	ug/L	0.2	0.24	0.08	0.18	0.89	0.22	1.1	NA	NA	NA	NA	NA	NA	ND	NS	NS
Benzo[a]pyrene	ug/L	0.2	0.3	-	-	0.82	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	1.6	NA	NA	NA	NA	NA	NA	0.0217	0.2	0.02
Benzo[g,h,i]perylene	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	0.85	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	46.65	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	61	NA	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	<10,000	<10,000	1366	62	NA	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
 Harford, 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	09/22/1996	03/21/2000	06/28/2000	10/04/2000	04/08/2003	ES#	PAL#	
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-fluoroet	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	5	0.5
Benzene	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	NS	NS
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-Dichloroethane	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	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
Tetrachloroethane	ug/L	1	-	-	-	-	-	-	-	ND	ND	ND	ND	ND	5	0.5
Toluene	ug/L	1	-	1.9	-	-	-	-	-	ND	ND	ND	ND	ND	1000	200
trans-1,2-Dichloroethane	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
Trichloroethane	ug/L	1	-	-	-	2.2	2.1	2.4	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?**
- 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	09/22/1997	03/21/2000	09/28/2000	10/04/2000	04/08/2003	ESs	PALs	
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,i)perylene	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	74.6	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:

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- 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*	MW-10																				NR 140						
			4/91	8/91	7/92	10/92	2/93	4/93	7/93	10/93	5/94	11/94	2/95	5/95	8/95	11/03/1995	02/12/1996	05/21/1996	08/21/1996	12/13/1996	09/22/1999	03/23/2000	06/28/2000	10/04/2000	04/08/2003	ES _a	PAL _s		
Polycyclic Aromatic Hydrocarbons																													
Acenaphthene	ug/L	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Acenaphthylene	ug/L	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Anthracene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	3000	600
Benzo(a)anthracene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Benzo(a)pyrene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	0.2	0.02
Benzo(k)fluoranthene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Benzo(e)fluoranthene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Chrysene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	0.2	0.02
Dibenz(a,h)anthracene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Fluoranthene	ug/L	0.2	NA	NA	-	-	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	400	80
Fluorene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	400	80
Indeno[1,2,3-c,d]pyrene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Naphthalene	ug/L	0.5	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	40	8
Phenanthrene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS
Pyrene	ug/L	0.2	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	250	50
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	NA	NA	NA	NA	NA	X	X
Nutrient Panel																													
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	340	310	NA	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	340	310	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	79.2	86	NA	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0068	0.0058	0.0033	NA	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	5	3.1	NA	NA	NA	NS	NS
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54	520	170	NA	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	3.4	2.4	NA	NA	NA	NS	NS
Metals																													
Cadmium (Soluble)	ug/L	X	NA	NA	-	-	-	0.2	-	-	-	-	-	0.13	0.7	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	NA	NA	1.2	-	-	-	-	-	-	-	-	0.8	0.6	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	NA	NA	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	5
Arsenic (Soluble)	ug/L	X	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	NA	NA	45	270	25	46.2	50	30	-	-	-	52	25	30	14	-	-	-	0.057	NA	NA	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	NA	NA	-	-	1.1	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	10
Light Hydrocarbons																													
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	51.42	61.16	73.61	NA	NA	NS	NS
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	0.000896	0.002448	NA	NA	NS	NS
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	63	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	<5	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*	MW-12																				NR 140										
			8/91	7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	10/31/1995	02/12/1996	05/21/1996	08/20/1996	12/24/1996	03/01/1997	09/22/1999	03/21/2000	06/28/2000	10/04/2000	04/08/2003	ESs	PALs				
Poly cyclic Aromatic Hydrocarbons																																	
Acenaphthene	ug/L	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Acenaphthylene	ug/L	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	3000	600				
Benzo(a)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Benzo(a)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	NA	NA	NA	NA	NA	0.2	0.02			
Benzo(b)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	0.2	0.02				
Benzo(g,h)perylene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Benzo(k)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Chrysene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	0.2	0.02				
Dibenz(a,h)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	400	80				
Fluorene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	400	80				
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	40	8				
Naphthalene	ug/L	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Phenanthrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS				
Pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	250	50				
Dilution Factor			NA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	NA	NA	NA	NA	X	X				
Nutrient Panel																																	
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	550	370	NA	NA	NS	NS				
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	550	370	NA	NA	NS	NS				
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	150	122	180	NA	NA	NS	NS				
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.37	0.43	0.45	NA	NA	NS	NS				
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.5	3	4.7	NA	NA	NS	NS				
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	120	57	NA	NA	NS	NS				
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	7.4	5.8	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	-	-	-	-	-	-	-	0.6	-	0.9	-	1.3	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	100	10			
Lead (Soluble)	ug/L	X	NA	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	1.6	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-	-	-	-	-	1.6	NA	NA	NA	NA	NA	50	5		
Barium (Soluble)	ug/L	X	NA	230	100	80.2	88.5	119	42	-	-	-	-	70	70	59	53	-	-	-	-	-	-	0.1	71	NA	NA	NA	NA	2000	400		
Mercury (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	38.82	51.35	52.56	NA	NS	NS	NS			
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	0.006888	0.005844	NA	NS	NS	NS			
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	20	NA	NS	NS	NS			
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	<5	NA	NS	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*	MW-15																							NR 140										
			4/92	7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	11/95	02/13/1996	05/23/1996	08/21/1996	12/23/1996	03/01/1997	08/22/1999	03/21/2000	06/28/2000	10/04/2000	05/06/2003	ES#	PAL#							
Poly-cyclic Aromatic Hydrocarbons																																				
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	NA	NA	NA	ND	NS	NS	
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	NA	NA	NA	ND	NS	NS	
Anthracene	ug/L	0.2	-	-	-	-	0.510	1.527	0.33	-	-	-	-	-	-	-	0.21	-	-	-	-	0.33/-	0.024	-	-	-	-	-	ND	NA	NA	NA	ND	3000	600	
Benzo(a)anthracene	ug/L	0.2	-	-	0.58	-	1.652	3.324	1.92	0.88	-	-	-	-	-	-	-	-	-	-	-	0.32/-	0.51/-	0.16	-	-	-	-	ND	NA	NA	NA	0.104	NS	NS	
Benzo(a)pyrene	ug/L	0.2	-	-	0.73	-	1.434	3.489	2.83	1.1	-	-	-	-	-	-	-	-	-	-	-	0.3/-	0.53/-	0.28	-	-	-	-	ND	NA	NA	NA	0.0679	0.2	0.02	
Benzo(b)fluoranthene	ug/L	0.2	-	-	0.71	-	1.434	2.460	1.51	0.7	-	-	-	-	-	-	-	-	-	-	-	0.14/-	0.37/-	0.46	-	-	-	-	ND	NA	NA	NA	0.102	0.2	0.02	
Benzo(g,h,i)perylene	ug/L	0.2	-	-	1.3	-	0.299	0.525	2.02	0.96	-	-	-	-	-	-	0.1	0.85	0.26	-	-	-	0.36/-	0.26	-	-	-	-	ND	NA	NA	NA	NA	NS	NS	
Benzo(k)fluoranthene	ug/L	0.2	-	-	0.32	-	0.827	1.776	0.98	0.6	-	-	-	-	-	-	0.04	0.37	0.08	-	-	-	0.1/-	0.27/-	0.14	0.240	-	-	ND	NA	NA	NA	NA	ND	NS	NS
Chrysene	ug/L	0.2	-	-	-	-	1.120	2.752	1.84	-	-	-	-	-	-	-	-	0.69	0.15	-	-	0.21/-	-/-	0.2	0.240	-	-	ND	NA	NA	NA	0.126	0.2	0.02		
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	0.25	-	-	-	0.42	0.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	ND	NS	NS
Fluoranthene	ug/L	0.2	-	-	1.5	-	4.450	15.997	4.61	-	-	-	-	-	-	0.29	1.15	0.3	-	-	-	0.55/-	1.2	0.53	0.240	-	-	ND	NA	NA	NA	NA	ND	400	80	
Fluorene	ug/L	0.2	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	ND	400	80
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	0.64	-	1.498	2.089	0.78	0.84	-	-	-	-	-	-	0.35	0.19	-	-	-	0.13/-	0.44/-	0.1	0.240	-	-	ND	NA	NA	NA	NA	ND	40	8	
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	NA	NA	NA	NA	ND	NS	NS
Phenanthrene	ug/L	0.2	-	-	-	-	3.761	4.637	1.35	-	-	-	-	-	-	-	0.85	-	-	-	-	-	0.93/-	0.19	0.240	-	-	ND	NA	NA	NA	NA	ND	NS	NS	
Pyrene	ug/L	0.2	-	-	-	-	3.056	7.617	2.19	1.8	-	-	-	-	-	0.11	1.4	0.39	-	-	-	0.61/-	1/-	0.39	0.240	-	-	ND	NA	NA	NA	NA	ND	250	50	
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Nutrient Panel																																				
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	340	350	350	NA	NA	NS	NS	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340	350	350	350	NA	NA	NS	NS	
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	41	38.7	43	NA	NA	NS	NS		
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	1.2	1.1	1.1	NA	NA	NS	NS		
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.011	NA	NA	NS	NS		
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410	12	70	6	NA	NA	NS	NS			
Metals																																				
Cadmium (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	5	0.5		
Chromium (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2	NA	NA	NA	NA	NA	100	10		
Lead (Soluble)	ug/L	X	NA	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	4.9	5.4	5.3	-	4.9	8	5.5	6	6.4	9.9	10.1	12.1	10.5	6.8	-	-	-	-	17	-	-	-	9.8	NA	NA	NA	NA	NA	50	5			
Barium (Soluble)	ug/L	X	NA	90.0	100	44.3	84.1	143	125	-	-	-	-	75	137	90	88	-	-	-	-	-	-	-	0.128	110	NA	NA	NA	NA	NA	2000	400			
Mercury (Soluble)	ug/L	X	NA	0.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	NA	NA	NA	NA	NA	2	0.2		
Selenium (Soluble)	ug/L	X	NA	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	10		
Light Hydrocarbons																																				
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	30.65	30.86	32.26	NA	NA	NS	NS			
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	2.72	1.16	0.73	NA	NA	NS	NS			
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	89	91	NA	NA	NS	NS			
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	1091	1009	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*	MW-19																	NR 140																				
			7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	11/02/1995	02/14/1996	05/23/1996	08/22/1996	12/23/1996	03/01/1997	09/22/1999	03/21/2000	08/28/2000	10/04/2000	02/01/2001	04/08/2003	ESs	PALs											
Poly-cyclic Aromatic Hydrocarbons																																								
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS			
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Anthracene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	3000	600		
Benzo(a)anthracene	ug/L	0.2	-	0.017	-	-	0.058	0.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Benzo(a)pyrene	ug/L	0.2	-	0.029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.047	NA	NA	NA	NA	NA	NA	0.2	0.02		
Benzo(b)fluoranthene	ug/L	0.2	-	0.033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.058	NA	NA	NA	NA	NA	NA	0.2	0.02		
Benzo(k)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.049	NA	NA	NA	NA	NA	NA	NS	NS		
Chrysene	ug/L	0.2	-	-	-	-	0.09	0.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Dibenzo(a,h)anthracene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Fluoranthene	ug/L	0.2	-	-	-	0.118	0.136	0.059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	NA	NA	NA	NA	NA	NA	400	80		
Fluorene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	400	80		
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	40	8		
Phenanthrene	ug/L	0.2	-	-	-	-	0.054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	NS	NS		
Pyrene	ug/L	0.2	-	-	-	-	0.115	0.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.071	NA	NA	NA	NA	NA	NA	250	50	
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Nutrient Panel																																								
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Metals																																								
Cadmium (Soluble)	ug/L	X	-	-	-	-	0.1	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	5	0.5		
Chromium (Soluble)	ug/L	X	-	-	-	-	1.0	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	100	10	
Lead (Soluble)	ug/L	X	6.5	-	1.8	-	-	-	-	-	3.2	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	4.2	5.8	4.1	-	7	4.0	-	7.4	11	7.1	12.9	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	NA	NA	NA	NA	NA	NA	50	5	
Barium (Soluble)	ug/L	X	80	86	75.3	64.1	92	78	-	-	-	-	81	79	69	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	63	NA	NA	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	0.57	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	NA	NA	NA	NA	NA	NA	2	0.2	
Selenium (Soluble)	ug/L	X	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	50	10	
Light Hydrocarbons																																								
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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*	MW-2																				NR 140						
			7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	11/01/1995	02/14/1996	05/23/1996	08/22/1996	12/10/1996	03/01/1997	09/22/1999	03/23/2000	06/28/2000	10/04/2000	04/08/2003	ES _e	PAL _e	
Polycyclic Aromatic Hydrocarbons																													
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS	
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS	
Anthracene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.482	NA	NA	NA	NA	NA	3000	600
Benzo[a]anthracene	ug/L	0.2	-	0.11	-	0.339	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	-	0.117	NA	NA	NA	NA	NA	NS	NS
Benzo[a]pyrene	ug/L	0.2	-	0.21	-	0.348	0.057	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	0.2	0.02
Benzo[b]fluoranthene	ug/L	0.2	-	0.22	-	0.57	-	-	-	0.24	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	0.2	0.02
Benzo[g,h,i]perylene	ug/L	0.2	-	-	-	-	-	-	0.029	0.42	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS
Benzo[k]fluoranthene	ug/L	0.2	-	0.094	-	0.231	-	-	-	0.22	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS
Chrysene	ug/L	0.2	-	-	-	0.233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.011	NA	NA	NA	NA	NA	0.2	0.02
Dibenzo[a,h]anthracene	ug/L	0.2	-	0.079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS
Fluoranthene	ug/L	0.2	-	-	-	0.917	1.106	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	1.57	NA	NA	NA	NA	NA	400	80
Fluorene	ug/L	0.2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	400	80
Indeno[1,2,3-c,d]pyrene	ug/L	0.2	-	0.25	-	-	-	-	0.012	0.32	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS
Phenanthrene	ug/L	0.2	-	-	-	0.227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.8	NA	NA	NA	NA	NA	40	8
Pyrene	ug/L	0.2	-	-	-	0.657	0.153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.773	NA	NA	NA	NA	NA	NS	NS
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Nutrient Panel																													
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	280	270	270	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	280	270	270	270	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	19	13	17	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0051	ND	0.0037	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0	1.4	1.9	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	400	38	110	30	NA	NA	NS	NS
Metals																													
Cadmium (Soluble)	ug/L	X	-	-	-	-	0.1	-	-	0.6	-	-	-	-	0.16	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	0.9	-	1.7	1.1	1	11.4	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	NA	NA	NA	NA	NA	50	10
Arsenic (Soluble)	ug/L	X	1.1	-	4.4	-	-	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	140	85.0	69.2	20.4	158	27	-	-	-	-	49	133	196	69	-	-	-	-	-	0.71	55	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.2	
Selenium (Soluble)	ug/L	X	-	1.2	-	-	-	-	-	-	-	-	5.0	-	-	-	-	-	-	-	-	0.13	NA	NA	NA	NA	NA	50	10
Light Hydrocarbons																													
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	20.02	25.35	24.76	NA	NA	NS	NS
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	<0.01	0.001586	0.002046	NA	NA	NS	NS
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	48	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	<5	<5	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*	NTA MW-11																		NR 140												
			8/91	7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	1/94	2/95	5/95	8/95	10/31/1995	02/12/1996	05/21/1996	08/20/1996	12/24/1996	03/01/1997	06/22/1999	10/04/2000	04/08/2003	ESa	PALs						
Polycyclic Aromatic Hydrocarbons																																	
Acenaphthene	ug/L	1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NS	NS		
Acenaphthylene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NS	NS		
Anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	3000	600		
Benzo(a)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NS	NS		
Benzo(a)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.032	NA	NA	NA	0.2	0.02	
Benzo(b)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0061	NA	NA	NA	0.2	0.02		
Benzo(g,h)perylene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.049	NA	NA	NA	NS	NS	
Benzo(k)fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NS	NS		
Chrysene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	NA	NA	NA	0.2	0.02	
Dibenz(a,h)anthracene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	NA	NA	NA	NS	NS	
Fluoranthene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	NA	NA	NA	400	80	
Fluorene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	NA	NA	NA	400	80	
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NS	NS	
Naphthalene	ug/L	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	40	8	
Phenanthrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	NA	NA	NA	NS	NS
Pyrene	ug/L	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	NA	NA	NA	250	50
Dilution Factor			NA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NA	NA	NA	X	X	
Nutrient Panel																																	
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93	360	NA	NA	NS	NS	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NS	NS	
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NS	NS	
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	64	NA	NA	NS	NS	
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.51	NA	NA	NA	NS	NS	
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063	NA	NA	NA	NS	NS	
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	68	NA	NA	NS	NS	
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.9	3.4	NA	NA	NS	NS	
Metals																																	
Cadmium (Soluble)	ug/L	X	NA	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	5	0.5	
Chromium (Soluble)	ug/L	X	NA	-	-	1.2	-	-	1.0	-	-	0.6	0.8	-	-	1.5	1.6	-	-	-	-	-	-	-	-	-	-	2.1	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	NA	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	15	1.5	
Silver (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	50	10	
Arsenic (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	3.5	-	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	50	5	
Barium (Soluble)	ug/L	X	NA	100	86	82.4	112.0	126	99	-	-	-	-	-	65	57	63	56	-	-	-	-	-	-	-	-	0.067	24	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	NA	-	2.9	-	-	-	2.0	-	-	-	-	-	-	-	3.8	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	50	10
Light Hydrocarbons																																	
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	45.9	NA	NA	NS	NS	
Ethane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	0.002586	NA	NA	NS	NS
Ethylene	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<5	NA	NA	NS	NS
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	38	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*	PZ-3																	NR 140																										
			7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	11/03/1995	02/12/1996	05/21/1996	08/21/1996	12/10/1996	03/01/1997	09/22/1999	04/08/2003	ESs	PALs																					
Polyyclic Aromatic Hydrocarbons																																														
Acenaphthene	ug/L	1	-	-	-	-	-	0.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	NS	NS															
Acenaphthylene	ug/L	0.2	-	-	-	-	-	0.437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	NS	NS															
Anthracene	ug/L	0.2	-	-	-	-	-	0.071	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NS	NS														
Benzo(a)anthracene	ug/L	0.2	-	-	0.071	-	0.064	-	2.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NS	NS														
Benzo(a)pyrene	ug/L	0.2	-	-	0.094	-	0.073	-	3.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.02														
Benzo(b)fluoranthene	ug/L	0.2	-	-	0.13	-	-	-	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2	0.02														
Benzo(g,h)perylene	ug/L	0.2	-	-	0.19	-	0.019	-	4.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	NS	NS													
Benzo(k)fluoranthene	ug/L	0.2	-	-	0.061	-	-	-	1.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	0.187	0.55	ND	ND	NS	NS									
Chrysene	ug/L	0.2	-	-	-	-	0.062	-	3.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	1.1	ND	ND	0.2	NS									
Dibenz(a,h)anthracene	ug/L	0.2	-	-	0.04	-	-	-	1.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	NS	NS								
Fluoranthene	ug/L	0.2	-	-	0.32	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	400	80							
Fluorene	ug/L	0.2	-	-	-	-	-	-	0.795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	400	80						
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	0.11	-	-	0.05	-	1.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	NS	NS					
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	40	8					
Phenanthrene	ug/L	0.2	-	-	-	-	0.244	0.038	9.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	NS	NS				
Pyrene	ug/L	0.2	-	-	-	-	0.231	0.043	6.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	ND	250	50				
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
Nutrient Panel																																														
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	330	NA	NS	NS						
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	330	NA	NS	NS					
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NS	NS				
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NS	NS				
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	NA	NA	NS	NS			
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.021	NA	NA	NS	NS						
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.011	NA	NA	NS	NS						
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16	NA	NA	NS	NS						
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6	NA	NA	NS	NS						
Metals																																														
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	5	0.5					
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	100	10				
Lead (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	15	1.5			
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	50	10			
Arsenic (Soluble)	ug/L	X	3.6	-	-	4.6	-	4.1	6	4.0	3.9	5.7	7.7	5.3	11.3	6.9	-	6.3	-	6.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	50	5				
Barium (Soluble)	ug/L	X	55	53	38.7	56.9	74	47	-	-	-	-	-	51	55	21	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	2000	400			
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	2	0.2			
Selenium (Soluble)	ug/L	X	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	50	10			
Light Hydrocarbons																																														
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	NA	NA	NS	NS					
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Ethylene	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
Ethane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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 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*	PZ-5			PZ-6			NR 140			
			09/22/1999	10/04/2000	04/08/2003	09/22/1999	10/04/2000	02/21/2001	04/08/2003	09/08/2003	ESL	PALs
Volatile Organic Compounds												
1,1-Dichloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	850	85
1,1-Dichloroethylene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	7	0.7
1,1-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
1,1,1-Trichloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	70	7
1,1,2-Trichloro-1,2,2-fluoroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
1,1,2-Trichloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.180	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.350	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.390	0.2	0.02
1,2-Dibromoethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.390	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	600	60
1,2-Dichloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	5	0.5
1,2-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<2.0	NS	NS
1,2,3-Trichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	80	12
1,2,4-Trichlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<2.0	70	14
1,2,4-Trimethylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<1.0	NS	NS
1,3,5-Trimethylbenzene	ug/L	1	ND	ND	ND	ND	ND	ND	NA	<1.0	NS	NS
Total Trimethylbenzene	ug/L	X	ND	ND	ND	ND	ND	ND	NA	<2.0	480	96
1,3-Dichlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	1250	125
1,3-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
1,4-Dichlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	75	15
2-chloroethylethyl ether	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
3-Chlorotoluene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
2-Methyl naphthalene	ug/L	5	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
2,2-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
4-Chlorotoluene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
4-Isopropyltoluene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
Benzene	ug/L	1	ND	ND	ND	ND	ND	ND	NA	<0.50	5	0.5
Bromobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Bromochloromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
Bromodichloromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	0.5	0.06
Bromoform	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	4.4	0.44
Bromomethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	10	1
Carbon tetrachloride	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	5	0.5
Chlorobenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Chloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	400	80
Chloroform	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.140	6	0.6
Chloromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.60	3	0.3
cis-1,2-Dichloroethane	ug/L	1	ND	ND	NA	3.5	3.4	1.7	NA	<0.50	70	7
cis-1,3-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	0.2	0.02
Dibromochloromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	60	6
Dibromomethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
Dichlorodifluoromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	1000	200
Ethylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	700	140
Hexachlorobutadiene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<5.0	NS	NS
Isopropylbenzene (Cumene)	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Methyl Tertiary Butyl Ether	ug/L	1	ND	ND	ND	ND	ND	ND	NA	<0.50	60	12
Methylene chloride	ug/L	5	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
n-Butylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
n-Propylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Naphthalene	ug/L	5	ND	ND	NA	ND	ND	ND	NA	<2.0	40	8
o-Xylene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	620	124
p & m -Xylene	ug/L	2	ND	ND	NA	ND	ND	ND	NA	NA	NS	NS
Total Xylenes	ug/L	X	ND	ND	NA	ND	ND	ND	NA	<0.50	10000	1000
sec-Butylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Styrene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	100	10
tert-Butylbenzene	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Tetrachloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	5	0.5
Toluene	ug/L	1	ND	ND	ND	ND	ND	ND	NA	<0.50	1000	200
trans-1,2-Dichloroethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	100	20
trans-1,3-Dichloropropane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	NA	0.2	0.02
Trichlorobenzene	ug/L	1	ND	ND	NA	8.7	8.8	2.8	NA	8.972	3	0.5
Trichlorofluoromethane	ug/L	1	ND	ND	NA	ND	ND	ND	NA	<0.50	NS	NS
Vinyl chloride	ug/L	1	ND	ND	NA	1.2	ND	ND	NA	<0.170	0.2	0.02
Dilution Factor			1	1	1	1	1	1	NA	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*	PZ-5			PZ-6			NR 140			
			08/22/1999	10/04/2000	04/08/2003	08/22/1999	10/04/2000	02/21/2001	04/08/2003	08/06/2003	ESs	PALs
Polyyclic Aromatic Hydrocarbons												
Acenaphthene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	<5.0	NS	NS
Acenaphthylene	ug/L	1	NA	NA	NA	NA	NA	NA	NA	<5.0	NS	NS
Anthracene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<5.0	3000	600
Benzo(a)anthracene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.10	NS	NS
Benzo(a)pyrene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.02	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.02	0.2	0.02
Benzo(k)fluoranthene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.10	NS	NS
Chrysene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.02	0.2	0.02
Dibenz(a,h)anthracene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.10	NS	NS
Fluoranthene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<5.0	400	80
Fluorene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<5.0	400	80
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<0.20	NS	NS
Naphthalene	ug/L	0.5	NA	NA	NA	NA	NA	NA	NA	<5.0	40	8
Phenanthrene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<5.0	NS	NS
Pyrene	ug/L	0.2	NA	NA	NA	NA	NA	NA	NA	<5.0	250	50
	Dilution Factor		NA	NA	NA	NA	NA	NA	NA	1	X	X
Nutrient Panel												
Alkalinity	mg/L	X	300	NA	NA	340	NA	NA	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	300	NA	NA	340	NA	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	ND	NA	NA	ND	NA	NA	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	ND	NA	NA	ND	NA	NA	NA	NA	NS	NS
Chloride	mg/L	X	11	NA	NA	120	NA	NA	NA	NA	NS	NS
Manganese	mg/L	X	0.14	NA	NA	0.063	NA	NA	NA	NA	NS	NS
Nitrate-N	mg/L	X	ND	NA	0.061	0.24	NA	NA	NA	NA	NS	NS
Sulfate	mg/L	X	21	NA	49.5	110	NA	NA	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	4	NA	NA	1.8	NA	NA	NA	NA	NS	NS
Metals												
Cadmium (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	NA	NA	ND	NA	NA	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Arsenic (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	NA	NA	NA	NA	NA	NA	NA	NA	50	10
Light Hydrocarbons												
Carbon Dioxide	mg/L	X	11	19.52	NA	16	28.82	NA	NA	NA	NS	NS
Methane	mg/L	X	<0.01	0.002914	NA	<0.01	0.002758	NA	NA	NA	NS	NS
Ethylene	ng/L	X	<10,000	<5	NA	<10,000	91	NA	NA	NA	NS	NS
Ethane	ng/L	X	<10,000	24	NA	<10,000	51	NA	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 = standard

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

Parameter	Units	Detection Limit*	SLA PZ-1					SSA MW-1				NR 140		
			05/06/1997	08/22/1999	03/22/2000	06/28/2000	10/04/2000	05/06/2003	04/29/1997	08/22/1999	03/23/2000	04/04/2003	ESs	PALs
Volatile Organic Compounds														
1,1-Dichloroethane	ug/L	1	1	ND	ND	ND	ND	NA	-	NA	NA	ND	850	85
1,1-Dichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	7	0.7
1,1-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
1,1,1-Trichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	200	40
1,1,1,2-Tetrachloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	70	7
1,1,2-Trichloro-1,2,2-fluoroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
1,1,2,2-Tetrachloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
1,1,2,2-Tetrachloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.2	0.02
1,2-Dibromo-3-chloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.2	0.02
1,2-Dichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.05	0.005
1,2-Dichlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	800	80
1,2-Dichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
1,2-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
1,2,3-Trichlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
1,2,3-Trichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	60	12
1,2,4-Trichlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	70	14
1,2,4-Trimethylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
1,3,5-Trimethylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Total Trimethylbenzene	ug/L	X	-	ND	ND	ND	ND	NA	-	NA	NA	ND	480	96
1,3-Dichlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	1250	125
1,3-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
1,4-Dichlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	75	15
2-chloroethylvinyl ether	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
2-Chlorotoluene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
2-Methyl naphthalene	ug/L	5	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
2,2-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
4-Chlorotoluene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
4-Isopropyltoluene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Benzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
Bromobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Bromochloromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Bromodichloromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.6	0.06
Bromoform	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	4.4	0.44
Bromomethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	10	1
Carbon tetrachloride	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
Chlorobenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Chloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	400	80
Chloroform	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	6	0.6
Chloromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	3	0.3
cis-1,2-Dichloroethane	ug/L	1	1.7	ND	ND	ND	ND	NA	-	NA	NA	ND	70	7
cis-1,3-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.2	0.02
Dibromochloromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	60	6
Dibromomethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Dichlorodifluoromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	1000	200
Ethylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	0.44	NA	NA	ND	700	140
Heptachlorobutadiene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Isopropylbenzene (Cumene)	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Methyl Tertiary Butyl Ether	ug/L	1	1.4	ND	ND	ND	ND	NA	-	NA	NA	ND	60	12
Methylene chloride	ug/L	5	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
n-Butylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	0.56	NA	NA	ND	NS	NS
n-Propylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Naphthalene	ug/L	5	2.6	ND	ND	ND	ND	NA	-	NA	NA	ND	40	8
o-Xylene	ug/L	1	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	NS	NS
p & m -Xylene	ug/L	2	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	NS	NS
Total Xylenes	ug/L	X	-	ND	ND	ND	ND	NA	-	NA	NA	ND	10000	1000
sec-Butylbenzene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Styrene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	100	10
tert-Butylbenzene	ug/L	1	0.86	ND	ND	ND	ND	NA	0.66	NA	NA	ND	NS	NS
Tetrachloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	5	0.5
Toluene	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	1000	200
trans-1,2-Dichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	100	20
trans-1,3-Dichloropropane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	0.2	0.02
Trichloroethane	ug/L	1	-	ND	ND	ND	ND	NA	0.84	NA	NA	ND	5	0.5
Trichlorofluoromethane	ug/L	1	-	ND	ND	ND	ND	NA	-	NA	NA	ND	NS	NS
Vinyl chloride	ug/L	1	1.3	ND	ND	ND	ND	NA	-	NA	NA	ND	0.2	0.02
Dilution Factor			X	1	1	1	1	NA	X	NA	NA	1	X	X

Notes:
 * = Detection limit specific for each monitoring well is multiplied by the respective dilution factor.
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 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*	SLA PZ-1					SSA MW-1				NR 140		
			05/08/1997	08/28/1998	03/22/2000	08/28/2000	10/04/2000	05/06/2003	04/28/1997	09/22/1998	03/23/2000	04/06/2003	ESs	PALs
Polyyclic Aromatic Hydrocarbons														
Acenaphthene	ug/L	1	0.11	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Acenaphthylene	ug/L	1	-	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Anthracene	ug/L	0.2	-	ND	NA	NA	NA	ND	-	ND	ND	NA	2000	600
Benzo(a)anthracene	ug/L	0.2	0.18	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Benzo(a)pyrene	ug/L	0.2	0.16	ND	NA	NA	NA	ND	-	ND	ND	NA	0.2	0.02
Benzo(b)fluoranthene	ug/L	0.2	0.26	ND	NA	NA	NA	ND	-	ND	ND	NA	0.2	0.02
Benzo(g,h)perylene	ug/L	0.2	0.14	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Benzo(k)fluoranthene	ug/L	0.2	0.052	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Chrysene	ug/L	0.2	0.19	ND	NA	NA	NA	ND	-	ND	ND	NA	0.2	0.02
Dibenz(a,h)anthracene	ug/L	0.2	-	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Fluoranthene	ug/L	0.2	-	ND	NA	NA	NA	ND	-	ND	ND	NA	400	80
Fluorene	ug/L	0.2	0.099	ND	NA	NA	NA	ND	-	ND	ND	NA	400	80
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	0.085	ND	NA	NA	NA	ND	-	ND	ND	NA	NS	NS
Naphthalene	ug/L	0.5	-	ND	NA	NA	NA	ND	-	ND	ND	NA	40	8
Phenanthrene	ug/L	0.2	0.21	ND	NA	NA	NA	ND	0.062	ND	ND	NA	NS	NS
Pyrene	ug/L	0.2	0.42	ND	NA	NA	NA	ND	-	ND	ND	NA	250	50
Dilution Factor			X	1	NA	NA	NA	1	X	1	1	NA	X	X
Nutrient Panel														
Alkalinity	mg/L	X	NA	NA	320	320	NA	NA	NA	NA	NA	NA	NS	NS
Alkalinity, Bicarbonate	mg/L	X	NA	NA	320	320	NA	NA	NA	NA	NA	NA	NS	NS
Alkalinity, Carbonate	mg/L	X	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Alkalinity, Hydroxide	mg/L	X	NA	NA	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Chloride	mg/L	X	NA	NA	10.6	14	NA	NA	NA	NA	NA	NA	NS	NS
Manganese	mg/L	X	NA	NA	0.13	0.11	NA	NA	NA	NA	NA	NA	NS	NS
Nitrate-N	mg/L	X	NA	NA	ND	0.013	NA	NA	NA	NA	NA	NA	NS	NS
Sulfate	mg/L	X	NA	NA	190	21	NA	NA	NA	NA	NA	NA	NS	NS
Total Organic Carbon	mg/L	X	NA	NA	5	3.8	NA	NA	NA	NA	NA	NA	NS	NS
Metals														
Cadmium (Soluble)	ug/L	X	0.6	NA	NA	NA	NA	NA	-	NA	NA	NA	5	0.5
Chromium (Soluble)	ug/L	X	1.6	NA	NA	NA	NA	NA	1.2	NA	NA	NA	100	10
Lead (Soluble)	ug/L	X	-	NA	NA	NA	NA	NA	-	NA	NA	NA	15	1.5
Silver (Soluble)	ug/L	X	-	NA	NA	NA	NA	NA	-	NA	NA	NA	50	10
Arsenic (Soluble)	ug/L	X	7.5	NA	NA	NA	NA	NA	-	NA	NA	NA	50	5
Barium (Soluble)	ug/L	X	770	NA	NA	NA	NA	NA	130	NA	NA	NA	2000	400
Mercury (Soluble)	ug/L	X	-	NA	NA	NA	NA	NA	-	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	-	NA	NA	NA	NA	NA	-	NA	NA	NA	50	10
Light Hydrocarbons														
Carbon Dioxide	mg/L	X	NA	37	17.74	21.44	21.72	NA	NA	NA	NA	NA	NS	NS
Methane	mg/L	X	NA	<0.01	<0.01	0.003447	0.001004	NA	NA	NA	NA	NA	NS	NS
Ethylene	mg/L	X	NA	<10,000	<10,000	<5	<5	NA	NA	NA	NA	NA	NS	NS
Ethane	mg/L	X	NA	<10,000	<10,000	12	30	NA	NA	NA	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
Herford, Wisconsin
Project Number #5018

Parameter	Units	Detection Limit*	W-1																		NR 140																							
			7/92	10/92	2/93	4/93	7/93	10/93	3/94	6/94	8/94	11/94	2/95	5/95	8/95	10/30/1995	02/14/1996	05/23/1996	08/22/1996	12/13/1996	03/01/1997	09/22/1998	03/23/2000	08/28/2000	10/04/2000	06/23/2001	02/18/2002	04/08/2003	ESs	PAAs														
Polycyclic Aromatic Hydrocarbons																																												
Acenaphthene	ug/L	1	0.459	-	-	-	-	-	0.259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Anthracene	ug/L	0.2	0.129	-	-	0.046	0.764	0.842	0.274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Benzo(a)anthracene	ug/L	0.2	-	0.45	-	-	1.787	2.136	0.921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	ug/L	0.2	-	0.5	-	-	2.067	1.779	1.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	ug/L	0.2	0.283	0.81	-	-	1.231	0.985	0.785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluperylene	ug/L	0.2	-	-	-	1.1	0.052	0.096	0.254	1.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	ug/L	0.2	0.134	0.27	0.026	-	0.501	0.84	0.419	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	ug/L	0.2	-	-	-	-	2.495	2.29	0.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzofluoanthracene	ug/L	0.2	-	0.19	-	-	0.217	0.262	0.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	ug/L	0.2	0.495	1.4	0.123	5.536	3.97	2.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	ug/L	0.2	0.308	-	0.265	0.634	0.953	0.443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	0.56	-	-	1.206	0.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	ug/L	0.2	-	-	0.247	2.449	1.699	0.511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	ug/L	0.2	-	-	0.157	3.479	3.193	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dilution Factor																																												
Nutrient Panel																																												
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Alkalinity, Hydroxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals																																												
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Chromium (Soluble)	ug/L	X	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Lead (Soluble)	ug/L	X	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Silver (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Arsenic (Soluble)	ug/L	X	2	11	6.9	-	24	17	0.2	15	19	23	11	17.6	20.8	33.1	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Berium (Soluble)	ug/L	X	260	350	164	356	462	481	330	400	370	423	223	353	396	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Selenium (Soluble)	ug/L	X	-	3.3	-	-	-	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Light Hydrocarbons																																												
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			

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 (PAAs)
 ND = Concentration reported below reported laboratory detection limit
 ug/L = Micrograms per liter
 NS = No standard established

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

Parameter	Units	Detection Limit*	W-2																						NR 140																										
			7/92	10/92	2/93	4/93	7/93	10/93	2/94	5/94	8/94	11/94	2/95	5/95	8/95	11/02/1995	02/13/1996	05/23/1996	08/21/1996	12/23/1996	03/01/1997	08/22/1999	03/21/2000	08/28/2000	10/04/2000	04/08/2003	ESa	PAIs																							
Polycyclic Aromatic Hydrocarbons																																																			
Acenaphthene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS														
Acenaphthylene	ug/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS													
Anthracene	ug/L	0.2	-	-	-	-	-	0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	3000	600													
Benzo(a)anthracene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.012	NA	NA	NA	NA	NA	NS	NS											
Benzo(b)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	0.2	0.02										
Benzo(k)fluoranthene	ug/L	0.2	-	-	0.032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS									
Benzo(a,h)fluoranthene	ug/L	0.2	-	-	-	-	-	0.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS									
Benzo(e)fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS									
Chrysene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	0.2	0.02									
Dibenz(a,h)anthracene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS									
Fluoranthene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	400	80									
Fluorene	ug/L	0.2	-	-	-	-	-	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	400	80								
Indeno(1,2,3-c,d)pyrene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS								
Naphthalene	ug/L	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	40	8								
Phenanthrene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	NS	NS								
Pyrene	ug/L	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	250	50							
Dilution Factor			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Nutrient Panel																																																			
Alkalinity	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	370	400	390	NA	NA	NA	NS	NS							
Alkalinity, Bicarbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	400	390	NA	NA	NA	NS	NS							
Alkalinity, Carbonate	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NS	NS								
Chloride	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	28	28.8	22	NA	NA	NA	NS	NS							
Manganese	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.99	1	0.95	NA	NA	NA	NS	NS								
Nitrate-N	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	22	220	11	NA	NA	NA	NS	NS							
Total Organic Carbon	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45.9	9.5	14	15	NA	NA	NA	NS	NS							
Metals																																																			
Cadmium (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	5	0.5							
Chromium (Soluble)	ug/L	X	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NA	NA	NA	NA	NA	100	10						
Lead (Soluble)	ug/L	X	5	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-	8	5.5	-	-	11	3.9	4.7	7.9	13	8.1	9.4	10.4	8.7	-	-	-	-	-	-	-	-	7.8	-	8.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	5					
Barium (Soluble)	ug/L	X	83	180	114	113	158	164	-	-	-	-	120	143	128	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120	81	NA	NA	NA	NA	2000	400			
Mercury (Soluble)	ug/L	X	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	NA	NA	NA	NA	NA	2	0.2
Selenium (Soluble)	ug/L	X	1.3	-	-	-	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	10					
Light Hydrocarbons																																																			
Carbon Dioxide	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	41.13	42.34	55.39	NA	NA	NS	NS								
Methane	mg/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.6	3.68	2.82	4.46	NA	NA	NS	NS								
Ethylene	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	57	128	NA	NA	NS	NS							
Ethane	ng/L	X	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10,000	<10,000	1538	2394	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 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
			6.10	3.92	976.64	04/08/2003
MSA-MW-3	981.26	983.89	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
			6.35	3.72	977.54	02/01/2001
			6.30	3.67	977.59	04/08/2003
MSA-MW-4	980.39	983.16	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
			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
MSA-MW-5	980.75	983.31	6.42	3.86	976.89	09/20/1999
			6.07	3.51	977.24	03/21/2000
			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
MSA-MW-6	981.84	984.11	6.21	3.94	977.90	09/20/1999
			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-10	989.50	989.23	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
MW-19	983.01	986.47	3.05	3.56	977.05	04/08/2003
			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
MW-2	988.43	987.64	7.62	4.16	978.85	02/01/2001
			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
NTA-MW-2	NS	NS	7.24	8.03	980.40	02/01/2001
			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
NTA-MW-11	984.39	984.87	7.77	7.77	-7.77	02/01/2001
			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
PTC-AS-1	NS	NS	6.32	5.84	978.55	02/01/2001
			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
PTC-MW-2	992.66	992.14	12.60	12.60	-12.60	04/08/2003
			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	10.74	979.60	09/20/1999
			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

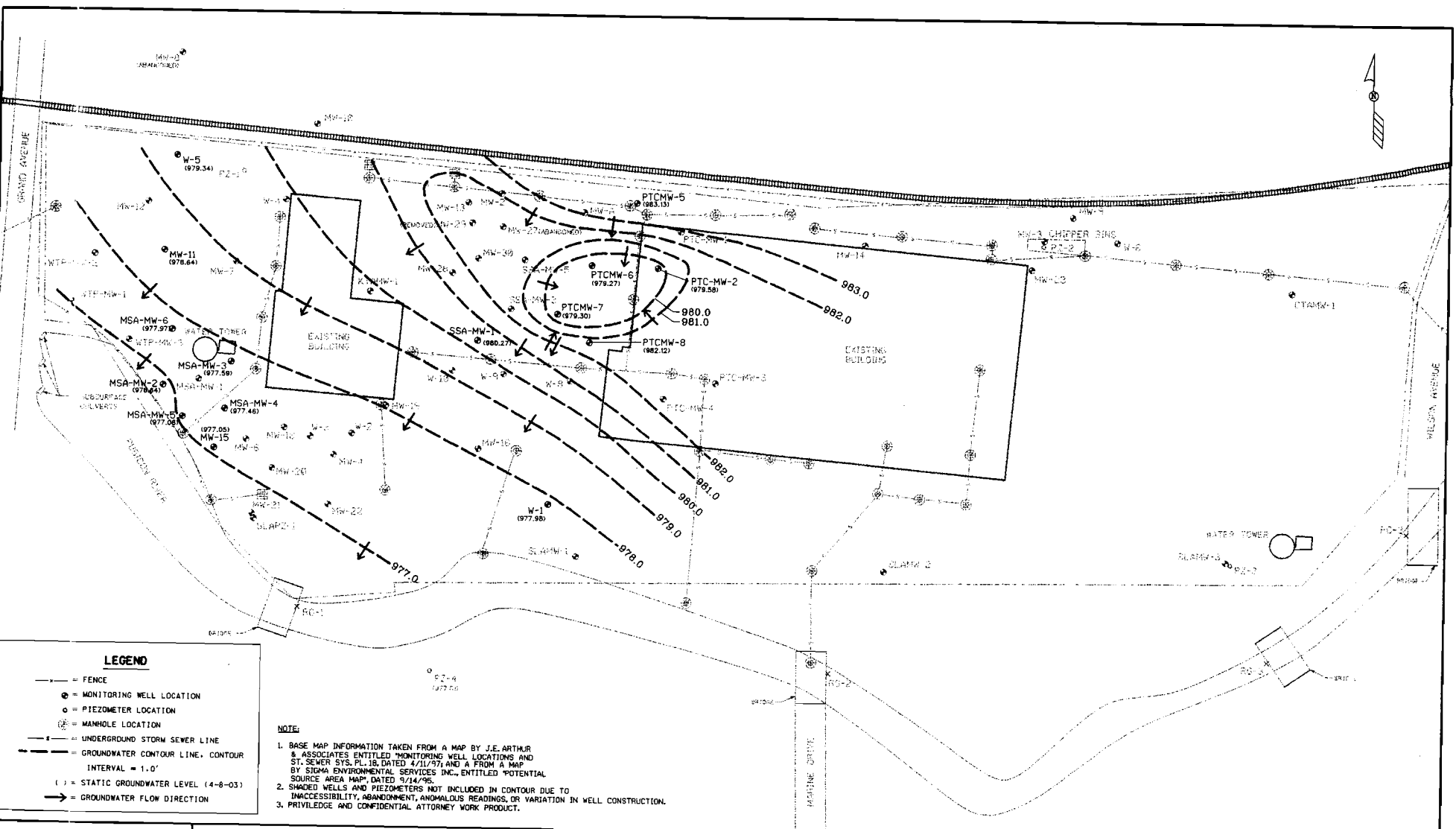
Table 1
Groundwater Elevations
Mercury Marine Plant #18
Hartford, Wisconsin

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
PZ-6	982.32	983.88	7.75	7.75	-7.75	02/01/2001
			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
SLA-MW-20	979.95	979.59	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
			5.62	4.06	978.26	09/08/2003
SLA-MW-21	981.21	984.73	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
			BURIED	BURIED	BURIED	10/03/2000
SLA-PZ-1	983.73	983.57	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
SSA-MW-1	NS	992.13	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
SSA-MW-1	NS	992.13	6.13	6.29	977.44	10/03/2000
			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
SSA-MW-1	NS	992.13	12.25	NA	979.88	03/23/2000
			11.83	NA	980.30	06/27/2000
			12.03	NA	980.10	10/03/2000
			12.37	NA	979.76	02/01/2001
SSA-MW-1	NS	992.13	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
			11.76	8.15	980.12	10/03/2000
WTP-MW-3	982.84	982.69	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
			5.38	5.53	977.31	10/03/2000
Culvert A	NS	981.95	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
			4.72	NA	977.23	06/27/2000
Culvert B	NS	982.82	4.78	NA	977.17	10/03/2000
			5.95	NA	976.87	09/20/1999
			5.64	NA	977.18	03/20/2000
			5.82	NA	977.00	06/27/2000
Culvert C	NS	981.71	5.91	NA	976.91	10/03/2000
			5.05	NA	976.66	09/20/1999
			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 9/14/95.
2. SHADDED 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 EAST RYAN ROAD
 OAK 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

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 02-67-000342 is complete and accurate to the best of our knowledge.

Liz J. Dush Sr. Environmental Engineer
Signature and Title of Representative for Responsible Party

8/12/04
Date:



Mercury Marine
Marine Products and Services

W6250 Pioneer Road
P.O. Box 1939
Fond du Lac, WI 54936-1939 USA
Phone: 920-929-5000
www.mercurymarine.com

August 20, 2004

Mr. Gene Wendorff
Steel Craft
105 Steel Craft Drive
Hartford, WI 53027

RE: Case Closure Activities

Former Mercury Marine Plant 18 – Metal Shavings Area and Site-wide Chlorinated Issue
105 Steel Craft Drive
Hartford, Wisconsin

Dear Mr. Wendorff:

Soil and groundwater contamination that appears to have originated on the property located at 105 Steel Craft Drive prior to your ownership remains present at the above referenced property. The concentration level of chlorinated volatile organic compounds (VOC) in the groundwater on your property appear to be above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. In addition, levels of polycyclic aromatic hydrocarbons (PAH) and diesel range organics (DRO) appear to remain present in the groundwater and soil, above NR 140 and NR 720 standards, in the vicinity of the former Metal Shavings Area.

The environmental consultants who have investigated this contamination have informed Mercury Marine that this groundwater contaminant plume is stable or receding and will naturally degrade over time. Mercury Marine believes that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure that are found in chapter NR 716 and chapter NR 746 Wisconsin Administrative Code, and Mercury will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure. Closure means that the Department will not require any further investigation or cleanup action to be taken for the chlorinated site wide investigation and the Metal Shavings and Sewer Line Area, other than the reliance on natural attenuation.

Since the source of the groundwater contamination is not related to activities conducted by Steel Craft during their ownership of the property, neither you nor any subsequent owner of your property will be held responsible for the investigation or cleanup of this groundwater contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. For further information on the requirements of section 292.13, Wisconsin Statutes, you may call 1-800-367-6076 for calls originating in Wisconsin, or 1-608-264-6020 if you are calling from out of the state or within the Madison area, to obtain a copy of the Department of Natural Resources' publication #RR-589, Fact Sheet 10: Guidance for Dealing with Properties Affected by Off-site Contamination.

The Department of Natural Resources will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Margaret M. Brunette, Wisconsin Department of Natural Resources, 2300 N. Dr. Martin Luther King Jr. Drive, P.O. Box 12436, Milwaukee, Wisconsin 53212.

If this case is closed, all properties within the site boundaries where groundwater and/or soil contamination exceed chapter NR 140 groundwater enforcement standards and/or NR 720 residual contaminant levels will be listed on the Department of Natural Resources' geographic information system (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above chapter NR 140 enforcement standards was found at the time that the case was closed. This GIS Registry will be available to the general public on the Department of Natural Resources' internet web site. Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call the Diggers Hotline (1-800-242-8511) if your property is located outside of the service area of a municipally owned water system, or contact the Drinking Water program within the Department of Natural Resources if your property is located within the designated service area of a municipally owned water system, to determine if there is a need for special well construction standards.

In addition, a Soil Cover System is present on the property. A deed restriction (Document #903565) was filed with the Washington County Register of Deeds on September 17, 2001 to restrict any excavating, filling, plowing, and/or construction of a building or other structure on the soil cover area without the Wisconsin Department of Natural Resources approval. Please review the attached Wisconsin Department of Natural Resources publication "Development on Historic Fill Sites and Licensed Landfills" for any future activities in the soil cover area.

Once the Department makes a decision on the closure request, it will be documented in a letter. If the department grants closure, you may obtain a copy of this letter by requesting a copy from Mercury Marine, by writing to the agency address given below or by accessing the DNR GIS Registry of Closed Remediation Sites on the internet at www.dnr.state.wi.us/org/at/et/geo/gwir. A copy of the closure letter is included as part of the site file on the GIS Registry of Closed Remediation Sites.

If you need more information, you may contact me at Mercury Marine at P.O. Box 1939, Fond du Lac, Wisconsin, 54936, (920) 929-5379 or you may contact Mark Kruger at Sigma Environmental Services, Inc. at 1300 W Canal Street, Milwaukee, WI 53233, (414) 643-4200.

Sincerely,

A handwritten signature in black ink that reads "Tom Baumgartner". The signature is written in a cursive style with a long horizontal line extending to the left.

Tom Baumgartner
Director, Environmental Compliance
Mercury Marine

Cc: Mark Krueger - Sigma Environmental Services, Inc.
Margaret Brunette – Wisconsin Department of Natural Resources

Attachment