

GIS REGISTRY INFORMATION

SITE NAME: MERCURY MARINE PLANT 15 SOLVENT RELEASE

BRRTS #: 02-20-218183 **FID # (if appropriate):** _____

COMMERCE # (if appropriate): _____

CLOSURE DATE: _____

STREET ADDRESS: W6250 PIONEER ROAD

CITY: FOND DU LAC

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 643408 Y= 365890

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1: _____

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

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): Yes No

IF YES, STREET ADDRESS 1: _____

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

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter or denial letter issued
- Copy of any maintenance plan referenced in the final closure letter.
- Copy of (soil or land use) deed notice *if any required as a condition of closure* NA
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties NA
- County Parcel ID number, *if used for county*, for all affected properties #FDL-15-17-21-13-500-00
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, *if required for SI*. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable) NA
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW) NA



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

April 11, 2007

Mercury Marine
Craig Dousharm
PO Box 1939
Fond du Lac, WI 54936-1939

SUBJECT: Final Case Closure with Land Use Limitations or Conditions
Mercury Marine—Plant 15 Solvents, W6250 Pioneer Rd, Fond du Lac, WI
WDNR BRRTS Activity #: 02-20-218183

Dear Mr. Dousharm:

On March 1, 2004, the Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Conditional closure was granted at that time, but since the requirements had not been met the Department issued a denial letter on December 12, 2005, stating the required deed restriction needed to be filed and GIS registry fees had to be paid in order to receive final closure.

On April 4, 2007, the Department received correspondence indicating that you have complied with the requirements of closure. The GIS registry packet and fees were received; The June 3, 2006 legislation change eliminates the deed restriction requirement for this site.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with referenced maintenance plans are met.

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement that currently exists in the location shown on the attached map labeled, "Figure 4," shall be maintained in compliance with the attached "Cap Maintenance Plan," in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might

otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The following activities are prohibited on any portion of the property where the pavement and building foundation are required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If your property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Jennifer Easterly at 920-303-5447.

Sincerely,



Bruce G. Urben
Northeast Region Remediation & Redevelopment Team Supervisor

Electronic copy: Mark Krueger, Sigma
Jennifer Easterly, WDNR Project Manager

**MERCURY MARINE
PLANT 15 SOLVENT INVESTIGATION
W6250 PIONEER ROAD
FOND DU LAC, WISCONSIN**

CAP MAINTENANCE PLAN

Purpose

This plan has been prepared as a condition of the Wisconsin Department of Natural Resources (WDNR) case closure of Bureau of Remediation and Redevelopment (BRRTS) case number 02-20-218183. A protective cap, consisting of the existing paved surfaces and building flooring or an alternate cap approved by the WDNR, or its successor or assign, must be maintained by Mercury Marine or future owners of the site (Property Owner) as a condition of closure. Following are the site location, nature and extent of contamination, description of cap maintenance activities, and site contacts.

Location

Mercury Marine Plant 15 is located at W6250 Pioneer Road in the City of Fond du Lac in Fond du Lac County, Wisconsin. This is further identified as being located in the Northeast $\frac{1}{4}$, Northwest $\frac{1}{4}$, and Southeast $\frac{1}{4}$ of Section 21, T15N, R17E. The relevant site layout for Plant 15 is displayed on the attached Figure 1.

Nature and Extent of Contamination

Chlorinated solvent contamination in soil and groundwater at the site was the result of an environmental release at the Mercury Marine site. The nature and extent of contamination are described in the site investigation reports and closure requests prepared by Sigma Environmental Services, Inc. of Milwaukee, Wisconsin. WDNR conditional case closures for the BRRTS case was approved pending: (1) the payment of applicable soil and groundwater GIS fees, (2) submittal of a GIS information packet to the WDNR GIS Registry of Closed Remediation Sites, and (3) submittal of a cap maintenance plan pursuant to NR 724.13 of the Wisconsin Administrative Code.

Cap Maintenance Activities

The cap consists of the existing asphalt and concrete pavement and building flooring.

In the event of future redevelopment of the site, an alternate cap may be installed and maintained by the property owner in place of the existing cap with prior approval from the WDNR, or its successor or assign.

The Property Owner will maintain the integrity of the existing cap until such a time as the requirement to maintain the cap is extinguished by the WDNR, or its successor or assign. The following activities are prohibited on that portion of the property described above where a cap or building have been placed, unless prior approval has been obtained from the WDNR, or its successor or assign: (1) Removal of the concrete and/or asphalt cap; (2) Excavating or grading of the land surface; (3) Filling on the capped area; (4) Plowing for agricultural cultivation; (5) Construction or installation of a building or other structure with a foundation that would sit on or be placed within the cap or cover; and (6) Major excavation and installation of utilities. However, in the event of minor cap disturbance such as normal operational maintenance, system upgrade, utility repair or installation of new equipment and associated utilities, the Property Owner will provide notification within 60 days thereafter to the WDNR, or its successor or assign. The notification shall include the nature, location and date of the work, how any removed soil was screened, sampled, analyzed, stockpiled and disposed of and how the cap was restored.

Inspection

The property owner or the property owner's designated representative will inspect the condition of the cap on an annual basis and maintain a record of the date of inspection, inspector's name and association with the property owner, and comments as to the inspection results. The property owner will make the inspection record available to the WDNR, or its successor or assign, upon request.

Site Contacts

The relevant site contacts for this site at the time of submittal of this plan are listed below. Please note that the property owner and agency contacts may change over time.

For responsible party and owner information, contact:

Mercury Marine
Attn: Craig Dousharm, P.E.
W6250 Pioneer Road
Fond du Lac, WI 54936-1939
Telephone: (920) 929-5000

For environmental consultant information, contact:

Sigma Environmental Services, Inc.
1300 West Canal Street
Milwaukee, WI 53233
Telephone: (414) 643-4200
Fax: (414) 643-4210

For Wisconsin Department of Natural Resources information, contact:

Wisconsin Department of Natural Resources
Oshkosh Service Center
625 East County Road Y
Suite 700
Oshkosh, WI 54901-9731
Telephone: (920) 424-3050
Fax: (920) 424-4404



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ron Kazmierczak, Regional Director

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

December 12, 2005

Craig Dousharm
Mercury Marine Corp.
PO Box 1939
Fond du Lac, WI 54936-1939

Subject: Case Closure Denial for Mercury Marine Plant 15 (Solvent Release) at W6250
Pioneer Road, Fond du Lac, Wisconsin
WDNR BRRTS Activity # 02-20-218183

Dear Mr. Dousharm:

On March 1, 2004, the Northeast Region closure Committee reviewed your request for closure of the case described above. The NER Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of your closure request, the closure committee has denied closure because additional requirements must be met. The purpose of this letter is to inform you of the remaining requirements for obtaining closure, and to request your written response within 60 days of receiving this letter.

Your site was denied closure because the Department still needs the groundwater GIS fee (\$250) and the soil GIS fee (\$200) including the GIS packet materials and the Operation and Maintenance plan for the cap on the site. The groundwater GIS is for the NR140 Wis. Adm. Code enforcement standard exceedances at MW-3 for vinyl chloride (VC), MW-4 for Trichloroethylene (TCE) and VC, MW-5 for 1,2-Dichloroethane, MW-7 for TCE and VC, MW-9 for cis-1,2-Dichloroethylene, and MW-9 for TCE and VC.

It appears your site has been adequately investigated and may be eligible for case closure if certain minimum closure requirements are met. Once you complete the tasks below, your site will be reconsidered for closure.

To close this site, the Department requires that a deed restriction be signed and recorded to address the need to maintain the existing cap (building and pavement) on site to be protective of groundwater. You can find a model deed restriction on our web site at <http://www.dnr.state.wi.us/org/aw/rr/technical/index.htm>. This section of our web site includes a link labeled "Institutional Controls Guidance," which leads to an electronic copy of PUB_RR_606, "Guidance on Case Close Out and the Requirements for Institutional Controls and VPLE Environmental Insurance." This guidance document includes a model deed restriction that you should use to satisfy this closure requirement. Other helpful information on deed restrictions may also be accessed on this web page. However, if you are unable to obtain this from our web site, please contact me and I will send you a copy of an applicable model deed

restriction.

The purpose of a deed restriction at this site is to:

- (1) maintain a surface barrier over the remaining soil contamination to:
 - (a) prevent contamination from impacting groundwater due to the infiltration of precipitation. (See Option 3 in the model deed restriction in the appendix of PUB_RR_606.)

You will need to submit a draft deed restriction to me for review and Department approval, before the deed document is signed and recorded. To assist us in our review of the draft deed restriction, you must also submit a copy of the property deed (and certified survey map or relevant portion of the recorded plat map if referenced in the deed). After the Department has reviewed and approved the draft document for completeness, you will need to sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Fond du Lac County Register of Deeds. **Then you must submit a copy of the recorded document, with the recording information stamped on it, to me within 30 days of receiving the final, approved deed document from the Department.** Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description or parcel identification number that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office.

To close this site, the Department requires that the cap (i.e. building and pavement) at the site must be maintained for groundwater protection. The cover is to be maintained in accordance with a plan prepared and submitted to the Department pursuant to s. NR 724.13(2), Wis. Adm. Code. The maintenance plan should be submitted to me at the same time as the draft deed restriction for Department review and approval.

Any remaining monitoring well purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send a letter documenting that any remaining purge water, waste and/or soil piles have been removed.

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code unless they are being used for other site investigations. Documentation of well abandonment must be submitted to Jennie Easterly on Form 3300-5B found at www.dnr.state.wi.us/org/water/dwg/gw/ or provided by the Department of Natural Resources. **NOTE: MONITORING WELLS SHOULD BE ABANDONED ONLY IF ALL OTHER REQUIREMENTS OF CLOSURE ARE MET.**

When all the above requirements have been satisfied, please submit a letter, together with any required documentation, to let me know that applicable requirements have been met. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

Note: case closure will be approved only if all the above requirements have been satisfied, including submitting the required documentation to the Department. **Please satisfy these requirements within 60 days of the date of this letter. If these requirements have not been met your site will remain "open" and additional remedial actions may be necessary by you to eliminate the need for these requirements.**

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-303-5447.

Sincerely,



Jennie Easterly
Hydrogeologist
Remediation and Redevelopment Program

cc: NER Oshkosh case files
Mark Kreuger – via email mkreuger@thesigmagroup.com

135091

No.

Fond du Lac County, et al

to

Kiekhaefer Corporation

WARRANTY DEED

Register's Office
State of Wisconsin
Fond du Lac County

Received for Record this
.....day of.....
A.D., 19... at.....
o'clockM., and recorded
in Vol.....of Deeds on
page.....

.....
Register of Deeds

.....
Deputy

135091
Register's Office
Fond du Lac County, Wis.
Received for record this 22nd
day of July A.D. 1955
at 2:50 o'clock P.M. and
recorded in Vol. 383 of Deeds
on page 702

J. B. Bushhorst
Register of Deeds.

G. H. Edgerton

7/27 250

*ch
220*

WARRANTY DEED

THIS INDENTURE, made this 22nd day of July, A.D., 1955 between County of Fond du Lac being a political subdivision of the State of Wisconsin and also known and referred to as Fond du Lac County, Wisconsin; Fond du Lac County Asylum, and Trustees of Fond du Lac County Asylum, parties of the first part and Kiekhaefer Corporation, a Wisconsin Corporation, party of the second part.

WITNESSETH: That the said parties of the first part, for and in consideration of the sum of Thirty Thousand One hundred dollars (\$30,100) to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate, situated in the County of Fond du Lac and State of Wisconsin, to-wit:

"A part of the Northeast quarter, part of the East half of the Northwest quarter, and part of the North half of the Southeast quarter, all in Section 21 - T15N - R17E, Fond du Lac County, Wisconsin, and more particularly described as follows, to-wit: Beginning at a point on the West right-of-way line of the Chicago, Milwaukee, St. Paul & Pacific Railway Co., 1885.23 feet South of the North line of said Section 21, which point is the Southeast corner of lands conveyed to the Greater Fond du Lac Corporation as described in Vol. 286 of Deeds on page 457, and running thence North 89 degrees and 35 minutes West along the South line of Greater Fond du Lac Corporation lands a distance of 945.19 feet: thence running North no degrees and 49 minutes West along the West line of said Greater Fond du Lac Corporation lands a distance of 969.45 feet to an angle point; thence running North 41 degrees and 46 minutes West along an old property line fence, a distance of 701.71 feet to a point which is 33.0 feet southeasterly from the centerline of U.S. Highway No. 151 (last described line, if extended to such centerline, strikes it at a point 550.0 feet southwesterly from the point of intersection of said centerline with the North line of Section 21); thence running South 49 degrees and eight minutes West, parallel with said centerline of Highway No. 151 and 33.0 feet Southeasterly therefrom, a distance of 705.7 feet to an angle point; thence running South 47 degrees and 23 minutes West, parallel with said centerline of Hywy. and 33.0 southeasterly therefrom, a distance of 551.5 feet to the easterly line of lands acquired by the Hywy. Dept. for the intersection with New U.S. Highway No. 41; thence running South 4 degrees and 16 minutes West along said easterly line of lands for intersection, a distance of 319.0 feet to a point which is 100.0 feet, at right angles, easterly from the centerline of the

right-of-way for said Highway No. 41: thence running Southeasterly on a curve to the left (radius 9449.34 feet) and along the easterly right-of-way line of said U.S. Highway No. 41, about 1796.5 feet to the end of said curve, this point being South 45 degrees and 23 minutes East a distance of 1793.5 feet from last described corner: thence running South 50 degrees and 49 minutes East along said easterly right-of-way line of Highway No. 41, a distance of 612.0 feet to an angle point; thence running North 36 degrees and 29 minutes East, 50.0 feet to a point which is 150.0 feet from aforesaid centerline of Highway No. 41 right-of-way; thence running South 50 degrees and 49 minutes East along the right-of-way line for said Highway No. 41, a distance of 467.5 feet to an intersection with the westerly right-of-way line of the Chicago, Milwaukee, St. Paul & Pacific Railway Co.; thence running northeasterly on a curve to the left, parallel with and 25.0 feet westerly from the centerline of the track of said Railway Company, about 850 feet to the east-west quarter section line of said Section 21; thence running West on said quarter line 5.0 feet; thence running northerly, parallel with and 30.0 feet from the centerline of said track, about 92 feet to the end of aforesaid curve, this point being North 16 degrees and 31 minutes East a distance of 923.8 feet from aforesaid intersection of Highway and Railway right-of-way lines; thence running Northerly along the right-of-way line of said Railway Co., parallel with and 30.0 feet west from the centerline of the track, a distance of 668.7 feet to the place of beginning; and containing 78.9 acres of land, more or less."

Subject to:

(a) An easement 50 feet in width to the Michigan-Wisconsin Pipe Line Company, the center line of which is parallel to and ten (10) feet on the westerly side of the center line of the Michigan-Wisconsin Pipe Line Company's pipe line as presently laid across the above described lands, and

(b) An exclusive, perpetual right and easement forever to Fond du Lac County of a strip of land 30 feet in width and parallel to the South line of said Highway 151 for the purposes of maintaining, repairing and re-laying sewer and water mains as now laid therein and being a part of the lands hereby conveyed the center line of which 30 foot strip of land is equal distance between the said water and sewer mains as now located,

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT AND DEFEND.

This deed is executed and delivered pursuant to a resolution authorizing the same adopted by the Board of Supervisors of Fond du Lac County, Wisconsin, adopted January 18, 1955.

Fond du Lac County Asylum and Trustees of Fond du Lac County Asylum join herewith in this conveyance as such institution and Trustees of Fond du Lac County for the purpose of perfecting title.

IN WITNESS WHEREOF, the said County of Fond du Lac, being a political subdivision of the State of Wisconsin, and also known and referred to as Fond du Lac County, Wisconsin, has caused these presents to be signed by Arnold Sook, County Clerk, and countersigned by Walter Hollander, County Board Chairman; Fond du Lac County Asylum and Trustees of Fond du Lac County Asylum have caused these presents to be signed by the proper officers appropriate to such County Institution and Board of Trustees, with the county seal hereunto affixed by said County Clerk this 22nd day of July, 1955.

Signed and Sealed in Presence of:

Mary A. Koenig
Mary A. Koenig
John Nemick
John Nemick

County of Fond du Lac, being a political subdivision of the State of Wisconsin, and also known and referred to as Fond du Lac County, Wisconsin

By Arnold Sook
ARNOLD SOOK, County Clerk

Countersigned:

Walter Hollander
WALTER HOLLANDER
County Board Chairman

Fond du Lac County Asylum and Trustees of Fond du Lac County Asylum

By Albert Wagner
ALBERT WAGNER, Trustee

Herman Engel
HERMAN ENGEL, Trustee

Leon Bluemke
LEON BLUEMKE, Trustee

R. J. Stroebel
R. J. STROEBEL, Superintendent



STATE OF WISCONSIN }
FOND DU LAC COUNTY } ss.

Personally came before me this 22nd day of July, 1955, Arnold Sook, County Clerk, and Walter Hollander, County Board Chairman, of the above named Fond du Lac County, and Albert Wagner, Herman Engel and Leon Bluemke, Trustees, and R. J. Stroebel, Superintendent, of Fond du Lac County Asylum and Trustees of Fond du Lac County Asylum above named, to me known to be the persons who executed the foregoing instrument and to me known to be such County Clerk, County Board Chairman, Trustees and Superintendent, respectively, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Fond du Lac County, Fond du Lac County Asylum and Trustees of Fond du Lac County Asylum by proper authority.

Eugene F. McEssey
Eugene F. McEssey
Notary Public, Fond du Lac, Wis.
My Commission expires: Feb 22, 1955

135091
Register's Office
Fond du Lac County, Wis.
Received for record this 22nd
day of July A. D. 19 55
at 2:50 O'clock P.M. and
recorded in Vol. 383 of Deeds
on page 402
J. Brunkhorst
Register of Deeds.

This indenture, Made this 31st day of December, A. D., 1926
between The Greater Fond du Lac Corporation,
a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located
at Fond du Lac Wisconsin, party of the first part, and Kiekhaefer Corporation,
part y of the second part.

Witnesseth: That the said party of the first part, for and in consideration of the sum of -----
One Dollar (\$1.00), and other valuable consideration-----

to it paid by the said part y of the second part, the receipt whereof is hereby confessed and acknowledged,
has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these pres-
ents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part y of the
second part, its/ ^{successors} ~~heirs~~ and assigns forever, the following described real estate, situated in the
County of Fond du Lac and State of Wisconsin, to-wit:

A parcel of real estate described as commencing at a point in the center of Military Street which point is 450 feet Southwesterly from the inter-section of said street to the North line of Section 21-15-17, and extending thence Southeasterly on a line at right angles with said Military Street for a distance of 613.41 feet; thence extending Easterly on a line parallel with the North line of said Section 21 for a distance of 225.65 feet to the place of beginning of this description; thence continuing Easterly on a line parallel with the North line of said Section 21 a distance of 719.54 feet to the West line of right-of-way of the Chicago, Milwaukee, St. Paul & Pacific Railway; and thence extending Southerly along said right-of-way for a distance of 1126.95 feet; and thence extending Westerly on a line parallel with the North line of said Section 21 for a distance of 945.19 feet; and thence North 0° 52' West a distance of 975.8 feet to a point, which point is 734.7 feet measured on a bearing South 41° 46' East from the center line of said Military Street, thence in a Northeasterly direction to the place of beginning.

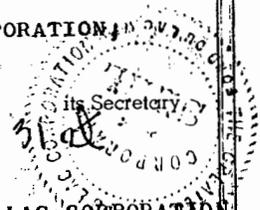
Above land located in the Northeast 1/4 of Section 21-15-17, Fond du Lac County, Wisconsin.

Intending to convey land of the grantor which connects directly with lands of the grantee herein on the West and South of the property herein conveyed.

This conveyance is subject to all easements and right-of-way contracts of record.

and that the above bargained premises in the quiet and peaceable possession of the said part y of the second part, its/ ^{successors} ~~heirs~~ and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said THE GREATER FOND DU LAC CORPORATION,
party of the first part, has caused these presents to be signed by J. E. Ahern
its President, and countersigned by R. W. Mills
at Fond du Lac Wisconsin, and its corporate seal to be hereunto affixed, this 31st
day of December, A. D., 1926



Signed and Sealed in Presence of

[Signature]
A. T. Brenner
[Signature]
Viola Duffrin

THE GREATER FOND DU LAC CORPORATION
Corporate Name
[Signature]
J. E. Ahern, President
Countersigned:
[Signature]
R. W. Mills, Secretary

second part, ~~its/~~ ~~hereby~~ and assigns forever, the following described real estate, situated in the County of Fond du Lac and State of Wisconsin, to-wit:

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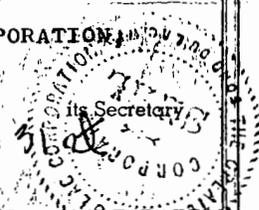
Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the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

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said part y of the second part, and to ~~its/~~ ^{successors} ~~hereby~~ and assigns FOREVER.

And the said THE GREATER FOND DU LAC CORPORATION, party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said part y of the second part, ~~its/~~ ^{successors} ~~hereby~~ and assigns, that at the time of the ensesaling and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple. and that the same are free and clear from all incumbrances whatever,

and that the above bargained premises in the quiet and peaceable possession of the said part y of the second part, ~~its/~~ ^{successors} ~~hereby~~ and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and DEFEND.

In Witness Whereof, the said THE GREATER FOND DU LAC CORPORATION, party of the first part, has caused these presents to be signed by J. E. Ahern its President, and countersigned by R. W. Mills at Fond du Lac, Wisconsin, and its corporate seal to be hereunto affixed; this day of December, A. D., 1926



Signed and Sealed in Presence of

[Signature]
A. T. Brenner
[Signature]
Viola Duffrin

THE GREATER FOND DU LAC CORPORATION
Corporate Name
[Signature]
J. E. Ahern, President
Countersigned:
[Signature]
R. W. Mills, Secretary

No. 116493

The Greater Fond du Lac Corporation,

TO

Kiehaefer Corporation

Warranty Deed

REGISTER'S OFFICE
State of Wisconsin,
Fond du Lac County.

Received for Record this 2nd day of

Jan. A. D. 1957.

at 4:30 o'clock P.M., and recorded in

395 of Deeds on page 179

J. H. Brundage
Register of Deeds

Deputy.

Wg J ret.

Edgerton's law office

REVENUE STAMPS CANCELLED



My commission expires February 3, A. D. 1957.

Notary Public, Fond du Lac County, Wis.

Viola Duffin
Viola Duffin

and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

of the above named Corporation, to me known to be the persons who executed the foregoing instrument, Secretary

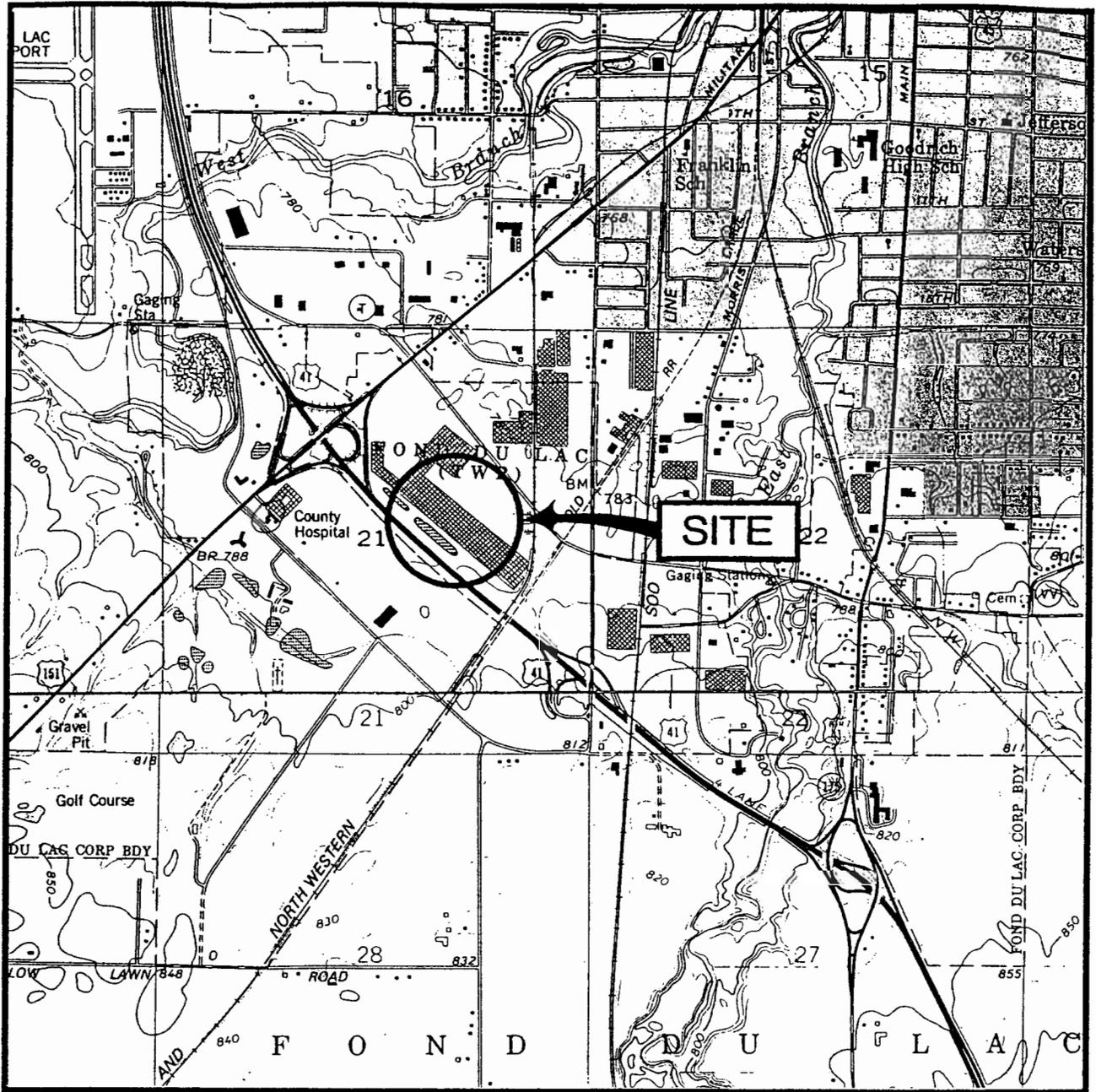
Personally came before me, this 31st day of December A. D. 1956.

J. F. Ahern President, and R. W. Mills Secretary

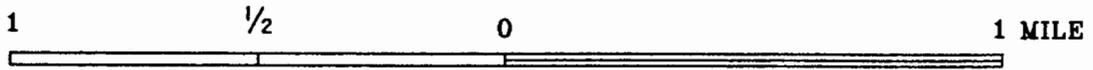
Fond du Lac County

State of Wisconsin

ss.



SW 1/4 of the NE 1/4 Sec. 21 T. 15N R. 17E



WISCONSIN

ADAPTED FROM U.S.G.S. 7.5 MINUTE SERIES, FOND DU LAC, WISCONSIN QUADRANGLE DATED 1955 PHOTOREVISED 1985

MERCURY MARINE PLANT 15 W 6250 PIONEER ROAD, FOND DU LAC, WI			 SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 4-16-98	DR. BY: BEB	DR.# 4642-001	
SITE LOCATION MAP			FIGURE 1



S PIONEER RD ROGERSVILLE RD DIXIE ST

USH 44 FRW TRIANGLE DR S MILITARY RD OAK PARK AV

USH 151 W PIONEER RD S HICKORY ST

HOLIDAY TR W ROLLING MEADOWS DR USH 44-151 FRW

Mercury Marine

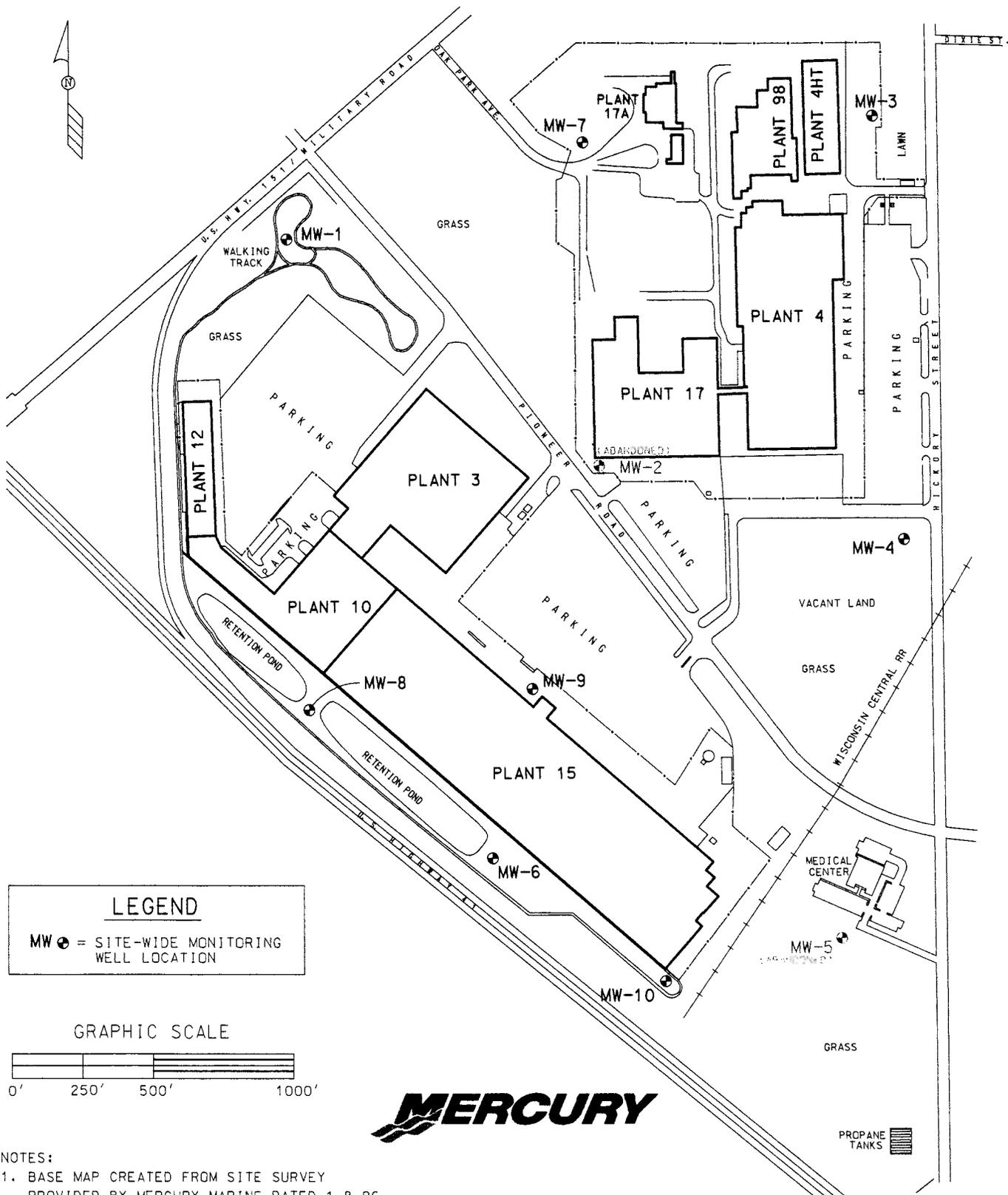
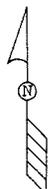
600 Pioneer Road
Fond du Lac, WI 54936
Taxkey:

FDL-15-17-21-13-500-00

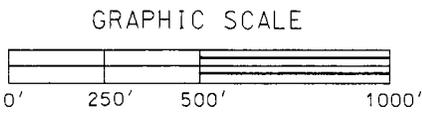
THE SIGMA GROUP

SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

120 feet

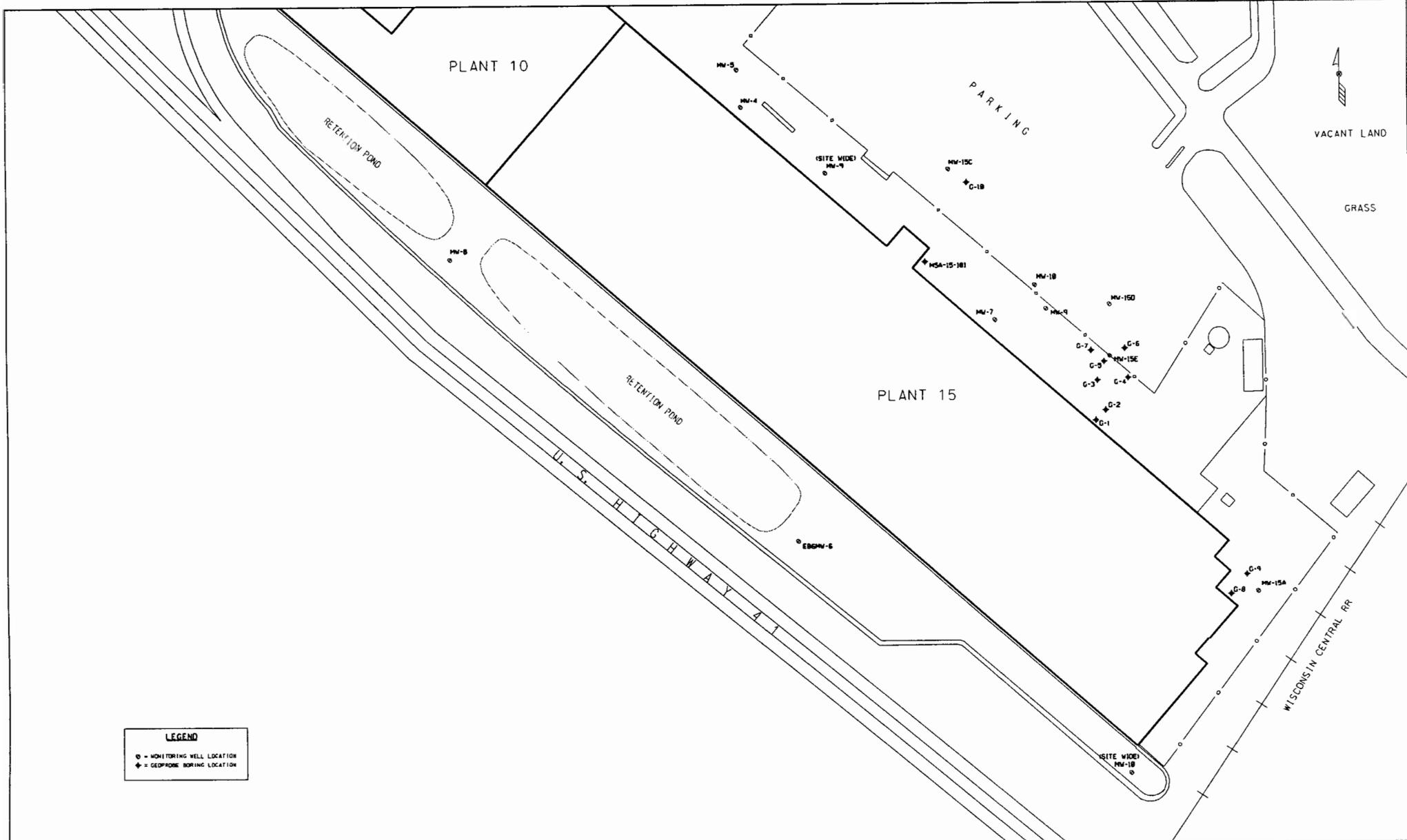


LEGEND
 MW ⊕ = SITE-WIDE MONITORING WELL LOCATION



- NOTES:
1. BASE MAP CREATED FROM SITE SURVEY PROVIDED BY MERCURY MARINE DATED 1-8-96.
 2. LOCATIONS OF ALL SITE FEATURES ARE APPROXIMATE.

MERCURY MARINE MAIN COMPLEX - FOND DU LAC, WI			 SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 10-3-06	DR. BY: BEB	DR. # 9734-001	SCALE: 1" = 500'
SITE PLAN MAP			FIGURE 1



LEGEND
 ○ = MONITORING WELL LOCATION
 ◆ = GEOPHONE BORING LOCATION



220 EAST RYAN ROAD
 OAK CREEK, WISCONSIN 53154
 PHONE : (414) 768 - 7144
 1-800-732-4571

SCALE - 1" = 80' - 0"



NO	DATE	REVISIONS	BY	APVD	NAME	DATE
					DRAWN BY: TMH	1-24-01
					DESIGNED BY:	
					CHECKED BY:	
					APPROVED BY:	

MERCURY MARINE, FOND DU LAC COMPLEX
 FOND DU LAC, WISCONSIN
 SITE PLAN MAP

DRAWING NUMBER
 5891-003

FIGURE 2A

Table 2
Groundwater Quality Results - BTEX and Detects Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

ANALYTE	Date	MW-1		MW-2		MW-3		MW-4					Chapter NR 140			
		08/25/98	12/29/98	07/08/98	01/20/99	07/08/98	12/29/98	07/08/98	01/20/99	01/10/01	04/25/01	08/29/01	11/19/01	ES	PAL	
VOCs																
Benzene	µg/l	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<1.0	<1.0	<1.0	<1.0	5	0.5	
1,1-Dichloroethane	µg/l	0.98	<0.49	<0.49	<0.49	31	30	5.3	1.1	3.5	3.0	3.6	4.5	850	85	
1,1-Dichloroethene	µg/l	<0.54	<0.54	<0.54	<0.54	0.95	0.9	0.57	<0.54	<1.0	<1.0	<1.0	<1.0	7	0.7	
1,1,1-Trichloroethane	µg/l	<0.36	<0.36	<0.36	<0.36	30	25	8.8	5.6	4.5	8.3	5.8	7.6	200	40	
1,2-Dichloroethane	µg/l	2.1	<0.44	3.1	<0.44	<0.44	<0.44	<0.44	<0.44	<1.0	<1.0	<1.0	<1.0	5	0.5	
cis-1,2-Dichloroethene	µg/l	<0.39	<0.39	<0.39	<0.39	2.6	1.2	29	25	29	26	28	29	70	7	
Ethylbenzene	µg/l	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<1.0	<1.0	<1.0	<1.0	700	140	
Methyl Tert Butyl Ether	µg/l	0.85	0.43	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<5.0	<5.0	<5.0	<5.0	60	12	
Tetrachloroethene	µg/l	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<1.0	<1.0	<1.0	<1.0	5	0.5	
Tetrahydrofuran	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<100	<100	<100	50	10	
Toluene	µg/l	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<1.0	<1.0	<1.0	<1.0	343	68.6	
trans-1,2-Dichloroethene	µg/l	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	2.8	1.8	2.1	2.7	2.0	3.1	100	20	
Trichloroethene	µg/l	<0.44	<0.44	<0.44	<0.44	1.9	1.4	5.1	5.3	5.4	9.0	5.6	7.8	5	0.5	
Trichlorofluoromethane	µg/l	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<5.0	<1.0	<1.0	<1.0	**	**	
Vinyl Chloride	µg/l	<0.63	<0.63	<0.63	<0.63	<0.63	1.4	2.9	2.8	<5.0	2.9	4.3	2.4	0.2	0.02	
Xylenes	µg/l	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<3.0	<3.0	<3.0	<3.0	620	124	
Semivolatile Organic Compounds																
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**	
Phenol	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6000	1200	
Bacterial Plate Counts																
Heterotrophic Plate Count	CFU/ml	NA	NA	700,000	NA	NA	NA	1,500,000	NA	NA	NA	NA	NA	**	**	
Hydrocarbon Degraders	CFU/ml	NA	NA	2,000	NA	NA	NA	1,700	NA	NA	NA	NA	NA	**	**	
Nutrient Panel																
Total Organic Carbon	µg/l	NA	NA	28,000	NA	NA	NA	23,000	NA	NA	NA	NA	NA	**	**	
Alkalinity	µg/l	NA	NA	420,000	NA	NA	NA	350,000	NA	NA	NA	NA	NA	**	**	
Sulfate	µg/l	NA	160,000	56,000	81,000	NA	65,000	140,000	170,000	NA	80,000	NA	NA	250,000	125,000	
Nitrogen, Nitrate	µg/l	NA	<4.1	<4.1	<4.1	NA	<4.1	210	<4.1	NA	530	NA	NA	**	**	
Lead, Soluble	µg/l	NA	NA	<5.8	NA	<5.8	NA	<5.8	NA	NA	NA	NA	NA	15	1.5	
Manganese, Dissolved	µg/l	NA	110	260	150	NA	77	84	110	NA	6.9	NA	NA	50	25	
Dissolved Gases																
Carbon Dioxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	NA	16	**	**	
Ethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	15 ng/L	**	**	
Ethene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.01	NA	22 ng/L	**	**	
Methane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01	NA	0.00011	**	**	
In Situ Field Measurements																
Dissolved Oxygen	mg/L	NA	0.6	8.1	0.2	8	0.3	7.5	0.2	0.3	0.41	0.39	0.43	**	**	
Redox	mV	NA	66.7	65.1	47.2	68.9	59.7	74	57.1	216	91.3	247.7	78.8	**	**	
pH	none	NA	6.8	7.1	7.4	6.7	6.8	7	7.5	7	7	7	7	**	**	
Conductivity	mS	NA	2.42	3.09	2.76	1.21	1.355	1.49	1.6	NA	NA	NA	NA	**	**	
Ferrous Iron	mg/L	NA	0	0	0	0	0	0	0	0	0	0	0	**	**	
Temperature	C	NA	12.5	16.5	10.4	12.7	11.7	12.9	10.2	12.1	8.9	13.2	15	**	**	
Key:																
ES	=	Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard							CFU/ml	=	Colony forming units per milliliter					
PAL	=	Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit							µg/l	=	Micrograms per liter					
bold	=	Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit							mg/l	=	Milligrams per liter					
bold	=	Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard							mV	=	Millivolts					
								mS	=	Millisiemens						

Table 2
Groundwater Quality Results - BTEX and Detects Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

ANALYTE	Date	MW-5						MW-6			Chapter NR 140											
		07/08/98	12/29/98	01/10/01	04/25/01	08/29/01	11/19/01	07/08/98	12/30/98	04/08/99	ES	PAL										
VOCs																						
Benzene	µg/l	<0.31	<0.31	<1.0	<1.0	<1.0	<1.0	<0.31	<0.31	<0.5	5	0.5										
1,1-Dichloroethane	µg/l	0.78	1.9	<1.0	<1.0	1.9	1.6	<0.49	<0.49	NA	850	85										
1,1-Dichloroethene	µg/l	<0.54	<0.54	<1.0	<1.0	<1.0	<1.0	<0.54	<0.54	NA	7	0.7										
1,1,1-Trichloroethane	µg/l	<0.36	<0.36	<1.0	<1.0	<1.0	<1.0	<0.36	<0.36	NA	200	40										
1,2-Dichloroethane	µg/l	3.2	6.0	3.7	2.9	6.1	5.3	<0.44	<0.44	NA	5	0.5										
cis-1,2-Dichloroethene	µg/l	<0.39	<0.39	<1.0	<1.0	<1.0	<1.0	<0.39	<0.39	NA	70	7										
Ethylbenzene	µg/l	<0.35	<0.35	<1.0	<1.0	<1.0	<1.0	<0.35	<0.35	<0.6	700	140										
Methyl Tert Butyl Ether	µg/l	0.62	<0.29	<5.0	<5.0	<5.0	<5.0	<0.29	<0.29	<0.6	60	12										
Tetrachloroethene	µg/l	<0.48	<0.48	<1.0	<1.0	<1.0	<1.0	<0.48	<0.48	NA	5	0.5										
Tetrahydrofuran	µg/l	NA	NA	<1.0	<1.0	<100	<1.00	NA	NA	NA	50	10										
Toluene	µg/l	<0.32	<0.32	<1.0	<1.0	<1.0	<1.0	<0.32	<0.32	<0.5	343	68.6										
trans-1,2-Dichloroethene	µg/l	<0.56	<0.56	<1.0	<1.0	<1.0	<1.0	<0.56	<0.56	NA	100	20										
Trichloroethene	µg/l	<0.44	<0.44	<1.0	<1.0	<1.0	<1.0	<0.44	<0.44	NA	5	0.5										
Trichlorofluoromethane	µg/l	<0.44	<0.44	<5.0	<5.0	<1.0	<1.0	<0.44	<0.44	NA	**	**										
Vinyl Chloride	µg/l	<0.63	<0.63	<5.0	<5.0	<1.0	<1.0	<0.63	<0.63	NA	0.2	0.02										
Xylenes	µg/l	<0.73	<0.73	<3.0	<3.0	<3.0	<3.0	<0.73	<0.73	<0.7	620	124										
Semivolatile Organic Compounds																						
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**										
Phenol	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	6000	1200										
Bacterial Plate Counts																						
Heterotrophic Plate Count	CFU/ml	1,300,000	NA	NA	NA	NA	NA	1500000	NA	NA	**	**										
Hydrocarbon Degradars	CFU/ml	2,600	NA	NA	NA	NA	NA	1100	NA	NA	**	**										
Nutrient Panel																						
Total Organic Carbon	µg/l	23,000	NA	NA	NA	NA	NA	13000	NA	NA	**	**										
Alkalinity	µg/l	420,000	NA	NA	NA	NA	NA	240000	NA	NA	**	**										
Sulfate	µg/l	190,000	200,000	NA	NA	NA	NA	140000	340000	NA	250000	125000										
Nitrogen, Nitrate	µg/l	53	5.5	NA	NA	NA	NA	87	<4.1	NA	**	**										
Lead, Soluble	µg/l	<5.8	NA	NA	NA	NA	NA	<5.8	NA	NA	15	1.5										
Manganese, Dissolved	µg/l	120	74	NA	NA	NA	NA	140	180	NA	50	25										
Dissolved Gases																						
Carbon Dioxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**										
Ethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**										
Ethene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**										
Methane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**										
In Situ Field Measurements																						
Dissolved Oxygen	mg/L	4	0.4	0.4	0.36	0.51	0.45	8.1	0.5	0.8	**	**										
Redox	mV	69.3	40.5	212.3	92.4	242.2	88.1	55.6	118.3	63.5	**	**										
pH	none	7.6	7	7	7	7	7	7.3	6.5	6.8	**	**										
Conductivity	mS	2.3	2.39	NA	NA	NA	NA	2.59	3.62	4.8	**	**										
Ferrous Iron	mg/L	0	0	0.6	0.8	0	0	0	0	0	**	**										
Temperature	C	14.2	12.3	11.9	8.5	16.1	15.1	16.7	12.3	8.5	**	**										
Key: <table style="width:100%; border:none;"> <tr> <td style="width:50%;">ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard</td> <td style="width:50%;">CFU/ml = Colony forming units per milliliter</td> </tr> <tr> <td>PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit</td> <td>µg/l = Micrograms per liter</td> </tr> <tr> <td>bold = Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit</td> <td>mg/l = Milligrams per liter</td> </tr> <tr> <td>bold = Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard</td> <td>mV = Millivolts</td> </tr> <tr> <td></td> <td>mS = Millisiemens</td> </tr> </table>													ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard	CFU/ml = Colony forming units per milliliter	PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit	µg/l = Micrograms per liter	bold = Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit	mg/l = Milligrams per liter	bold = Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard	mV = Millivolts		mS = Millisiemens
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	mS = Millisiemens																					

Table 2
Groundwater Quality Results - BTEX and Detects Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

ANALYTE	Date	MW-7 (15 South)							MW-8 (15 South)			Chapter NR 140	
		07/08/98	12/30/98	04/08/99	01/09/01	04/25/01	08/29/01	11/19/01	07/08/98	12/30/98	04/08/99	ES	PAL
VOCS													
Benzene	µg/l	7.1	2.9	1.7	<1.0	1.6	3.6	1.7	<0.31	<0.31	<0.5	5	0.5
1,1 Dichloroethane	µg/l	11	6.5	6.7	<1.0	4.6	9.6	5.2	<0.49	<0.49	10.4	850	85
1,1 Dichloroethene	µg/l	2.0	<0.54	1.5	<1.0	1.2	1.2	<1.0	<0.54	<0.54	<0.5	7	0.7
1,1,1 Trichloroethane	µg/l	4.0	1.0	3.1	<1.0	2.3	3.6	1.5	<0.36	4.5	2.3	200	40
1,2 Dichloroethane	µg/l	<0.44	<0.44	<0.5	<1.0	<1.0	<1.0	<1.0	<0.44	<0.44	<0.5	5	0.5
cis-1,2 Dichloroethene	µg/l	69	14	54.1	3.1	39	72	26	7.1	6.0	4.4	70	7
Ethylbenzene	µg/l	<0.35	<0.35	<0.6	<1.0	<1.0	<1.0	<1.0	<0.35	<0.35	<0.6	700	140
Methyl Tert Butyl Ether	µg/l	0.63	0.55	NA	<5.0	<5.0	<5.0	<5.0	9.4	6.0	NA	60	12
Tetrachloroethene	µg/l	3.5	1.4	3.8	<1.0	1.8	2.3	1.3	<0.48	<0.48	<0.8	5	0.5
Tetrahydrofuran	µg/l	NA	NA	NA	<1.0	<1.0	<100	<100	NA	NA	NA	50	10
Toluene	µg/l	<0.32	<0.32	<0.5	<1.0	<1.0	<1.0	<1.0	<0.32	<0.32	<0.5	343	68.6
trans-1,2 Dichloroethene	µg/l	7.6	1.9	4.8	<1.0	3.9	7.0	2.7	0.83	<0.56	0.7	100	20
Trichloroethene	µg/l	42	14	53.2	1.6	39	22	8.5	0.65	0.62	<0.7	5	0.5
Trichlorofluoromethane	µg/l	1.4	<0.44	0.7	<5.0	<5.0	1.5	<1.0	<0.44	<0.44	<0.6	**	**
Vinyl Chloride	µg/l	27	1.5	12.6	<5.0	9.5	21	5.0	1.8	<0.63	<0.5	0.2	0.02
Xylenes	µg/l	<0.73	<0.73	<0.7	<3.0	<3.0	<3.0	<3.0	<0.73	<0.73	<0.7	620	124
Semivolatile Organic Compounds													
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	**	**
Phenol	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	6000	1200
Bacterial Plate Counts													
Heterotrophic Plate Count	CFU/ml	NA	NA	NA	NA	NA	NA	NA	500000	NA	NA	**	**
Hydrocarbon Degraders	CFU/ml	NA	NA	NA	NA	NA	NA	NA	70	NA	NA	**	**
Nutrient Panel													
Total Organic Carbon	µg/l	NA	NA	NA	NA	NA	NA	NA	3500	NA	NA	**	**
Alkalinity	µg/l	NA	NA	NA	NA	NA	NA	NA	160000	NA	NA	**	**
Sulfate	µg/l	NA	39000	NA	NA	NA	NA	NA	59000	55000	NA	250000	125000
Nitrogen, Nitrate	µg/l	NA	180	NA	NA	NA	NA	NA	55	180	NA	**	**
Lead, Soluble	µg/l	<5.8	NA	NA	NA	NA	NA	NA	<5.8	NA	NA	15	1.5
Manganese, Dissolved	µg/l	NA	260	NA	NA	NA	NA	NA	140	110	NA	50	25
Dissolved Gases													
Carbon Dioxide	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Ethane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Ethene	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Methane	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
In Situ Field Measurements													
Dissolved Oxygen	mg/L	0.2	0.2	0.2	0.44	0.37	0.52	0.4	7.8	1.2	3.1	**	**
Redox	mV	51.1	83.5	65.4	246	22.7	-95.8	75.1	50.7	95.5	59.1	**	**
pH	none	7.3	6.6	7.2	7	7	7	7	7.3	6.3	6.9	**	**
Conductivity	mS	3.26	3.14	4.56	NA	NA	NA	NA	4.65	4.53	4.48	**	**
Ferrous Iron	mg/L	0	NA	1	0	0	0	0	0	0	0	**	**
Temperature	C	17.6	9.6	8	11.2	8.4	15.7	13.4	16.5	11	7.8	**	**
Key:													
ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard							CFU/ml = Colony forming units per milliliter						
PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit							µg/l = Micrograms per liter						
bold = Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit							mg/l = Milligrams per liter						
bold = Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard							mV = Millivolts						
							mS = Millisiemens						

Table 2
Groundwater Quality Results - BTEX and Detects Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

ANALYTE	Date	MW-9 (15 South)							MW-10 (15 South)							Chapter NR 140		
		07/08/98	12/30/98	04/08/99	01/09/01	04/26/01	08/29/01	11/19/01	07/08/98	12/30/98	04/08/99	01/09/01	04/26/01	08/29/01	11/19/01	ES	PAL	
VOCs																		
Benzene	µg/l	<3.1	<0.31	<0.5	<25	<25	<10	<10	10	1.6	1.4	<1.0	<1.0	<1.0	<1.0	5	0.5	
1,1 Dichloroethane	µg/l	6.3	5.7	4.1	<25	<25	<10	<10	54	11	4.2	<1.0	1.6	4.7	<1.0	850	85	
1,1 Dichloroethene	µg/l	<5.4	<0.54	<0.5	<25	<25	<10	<10	77	<0.54	<0.5	<1.0	<1.0	<1.0	<1.0	7	0.7	
1,1,1 Trichloroethane	µg/l	<3.6	<0.36	<0.7	<25	<25	<10	<10	300	2.2	2.7	<1.0	<1.0	<1.0	<1.0	200	40	
1,2 Dichloroethane	µg/l	<4.4	<0.44	<0.5	<25	<25	<10	<10	<4.4	<0.44	<0.5	<1.0	<1.0	<1.0	<1.0	5	0.5	
cis-1,2 Dichloroethene	µg/l	620	840	350	720	630	660	540	74	4.3	6.0	2.6	29	26	11	70	7	
Ethylbenzene	µg/l	<3.5	<0.35	<0.6	<25	<25	<10	<10	<3.5	<0.35	<0.6	<1.0	<1.0	<1.0	<1.0	700	140	
Methyl Tert Butyl Ether	µg/l	<2.9	<0.29	NA	<130	<130	<50	<50	<2.9	<0.29	NA	<5.0	<5.0	<5.0	<5.0	60	12	
Tetrachloroethene	µg/l	<4.8	<0.48	<0.8	<25	<25	<10	<10	<4.8	<0.48	<0.8	<1.0	<1.0	<1.0	<1.0	5	0.5	
Tetrahydrofuran	µg/l	NA	NA	NA	<25	<25	<1000	<1,000	NA	NA	NA	<1.0	<1.0	<100	<100	50	10	
Toluene	µg/l	<3.2	<0.32	<0.5	<25	<25	<10	<10	4.6	<0.32	<0.5	<1.0	<1.0	<1.0	<1.0	343	68.6	
trans-1,2 Dichloroethene	µg/l	37	19	18.5	39	31	26	31	<5.6	<0.56	0.8	<1.0	1.4	1.8	<1.0	100	20	
Trichloroethene	µg/l	<4.4	<0.44	<0.7	<25	<25	<10	<10	19	1.0	2.5	<1.0	7.6	5.2	1.7	5	0.5	
Trichlorofluoromethane	µg/l	<4.4	<0.44	<0.6	<130	<130	<10	<10	<4.4	<0.44	<0.6	<5.0	<5.0	<1.0	<1.0	**	**	
Vinyl Chloride	µg/l	220	16	1.0	<130	25	<10	<10	25	<0.63	0.8	<5.0	1.8	4.0	<1.0	0.2	0.02	
Xylenes	µg/l	<7.3	<0.73	<0.7	<75	<75	<30	<30	<7.3	<0.73	<0.7	<3.0	<3.0	<3.0	<3.0	620	124	
Semivolatiles Organic Compounds																		
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	<5.6	NA	NA	**	**
Phenol	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	NA	NA	NA	NA	<5.6	NA	NA	6000	1200
Bacterial Plate Counts																		
Heterotrophic Plate Count	CFU/ml	NA	NA	NA	NA	NA	NA	NA	1200000	NA	NA	NA	NA	NA	NA	NA	**	**
Hydrocarbon Degraders	CFU/ml	NA	NA	NA	NA	NA	NA	NA	1600	NA	NA	NA	NA	NA	NA	NA	**	**
Nutrient Panel																		
Total Organic Carbon	µg/l	NA	NA	NA	NA	NA	NA	NA	7600	NA	NA	NA	NA	NA	NA	NA	**	**
Alkalinity	µg/l	NA	NA	NA	NA	NA	NA	NA	390000	NA	NA	NA	NA	NA	NA	NA	**	**
Sulfate	µg/l	NA	81000	NA	NA	74000	NA	NA	47000	71000	NA	NA	61000	NA	NA	250000	125000	
Nitrogen, Nitrate	µg/l	NA	<4.1	NA	NA	200	NA	NA	<4.1	39	NA	NA	120	NA	NA	NA	**	**
Lead, Soluble	µg/l	<5.8	NA	NA	NA	NA	NA	NA	<5.8	NA	NA	NA	NA	NA	NA	NA	15	1.5
Manganese, Dissolved	µg/l	NA	180	NA	NA	6.9	NA	NA	270	200	NA	NA	260	NA	NA	50	25	
Dissolved Gases																		
Carbon Dioxide	mg/L	NA	NA	NA	NA	32	NA	38	NA	NA	NA	NA	NA	NA	NA	5.7	**	**
Ethane	mg/L	NA	NA	NA	NA	<0.01	NA	8 ng/L	NA	NA	NA	NA	NA	NA	NA	7.7 ng/L	**	**
Ethene	mg/L	NA	NA	NA	NA	<0.01	NA	17 ng/L	NA	NA	NA	NA	NA	NA	NA	<5.0 ng/L	**	**
Methane	mg/L	NA	NA	NA	NA	<0.01	NA	0.00016	NA	NA	NA	NA	NA	NA	NA	0.00023	**	**
In Situ Field Measurements																		
Dissolved Oxygen	mg/L	8.2	0.3	1.2	0.32	0.82	0.5	0.42	0.3	0.5	3	0.38	0.52	0.37	0.49	**	**	
Redox	mV	54.1	106.9	61.9	257.6	108	90.9	167.2	53.3	120.4	46.1	254.3	104.9	74.8	223.7	**	**	
pH	none	7.5	7	7.1	7	7	7	7	7.5	7	7	7	7	7	7	**	**	
Conductivity	mS	3.05	3.74	3.62	NA	NA	NA	NA	4.91	1.38	4.85	NA	NA	NA	NA	**	**	
Ferrous Iron	mg/L	0	0	0	0	0	0	0	NA	NA	2.2	0	0	0	0	**	**	
Temperature	C	16.4	12.3	8.8	11.2	8.3	16.4	15.2	16.6	12.2	9.1	11.2	8.9	14.5	13.9	**	**	

Key:

ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
bold = Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
bold = Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard

CFU/ml = Colony forming units per milliliter
 µg/l = Micrograms per liter
 mg/l = Milligrams per liter
 mV = Millivolts
 mS = Millisiemens

**Table 2
Groundwater Quality Results - BTEX and Detects Only**

Mercury Marine Plant 15 North
Tongue Lake, Wisconsin

ANALYTE	Date	EB-1/MW-1 (site wide)			MW-9 (site wide)				MW-15A			Chapter NR 140	
		01/10/01	04/25/01	08/29/01	01/10/01	04/25/01	08/29/01	11/19/01	01/09/01	04/25/01	08/29/01	ES	PAL
VOCs													
Benzene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
1,1 Dichloroethane	µg/l	<1.0	<1.0	<1.0	3.5	5.0	5.9	4.5	<1.0	<1.0	<1.0	850	85
1,1 Dichloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7	0.7
1,1,1 Trichloroethane	µg/l	<1.0	<1.0	<1.0	3.9	6.4	6.8	6.7	<1.0	<1.0	<1.0	200	40
1,2 Dichloroethane	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
cis-1,2 Dichloroethene	µg/l	<1.0	<1.0	<1.0	26	44	43	39	<1.0	<1.0	<1.0	70	7
Ethylbenzene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	140
Methyl Tert Butyl Ether	µg/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	60	12
Tetrachloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
Tetrahydrofuran	µg/l	<1.0	<1.0	<100	<1.0	<1.0	<100	<100	4.1	<100	<100	50	10
Toluene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	343	68.6
trans-1,2 Dichloroethene	µg/l	<1.0	<1.0	<1.0	1.1	2.0	1.4	2.3	<1.0	<1.0	<1.0	100	20
Trichloroethene	µg/l	1.3	<1.0	<1.0	5.3	7.0	9.1	8.1	<1.0	<1.0	<1.0	5	0.5
Trichlorofluoromethane	µg/l	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	<1.0	<5.0	<5.0	<1.0	**	**
Vinyl Chloride	µg/l	<5.0	<5.0	<1.0	6.7	9.1	4.1	4.2	<5.0	<5.0	<1.0	0.2	0.02
Xylenes	µg/l	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	620	124
Semivolatile Organic Compounds													
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	<5.0	NA	**	**
Phenol	µg/l	NA	NA	NA	NA	<5.0	NA	NA	NA	<5.0	NA	6000	1200
Bacterial Plate Counts													
Heterotrophic Plate Count	CFU/ml	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Hydrocarbon Degraders	CFU/ml	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Nutrient Panel													
Total Organic Carbon	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Alkalinity	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Sulfate	µg/l	NA	NA	NA	NA	240000	NA	NA	NA	NA	NA	250000	125000
Nitrogen, Nitrate	µg/l	NA	NA	NA	NA	160	NA	NA	NA	NA	NA	**	**
Lead, Soluble	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	1.5
Manganese, Dissolved	µg/l	NA	NA	NA	NA	110	NA	NA	NA	NA	NA	50	25
Dissolved Gases													
Carbon Dioxide	mg/L	NA	NA	NA	NA	19	NA	26	NA	NA	NA	**	**
Ethane	mg/L	NA	NA	NA	NA	<0.01	NA	6.5 ng/l	NA	NA	NA	**	**
Ethene	mg/L	NA	NA	NA	NA	<0.01	NA	10 ng/l	NA	NA	NA	**	**
Methane	mg/L	NA	NA	NA	NA	<0.01	NA	0.000097	NA	NA	NA	**	**
In Situ Field Measurements													
Dissolved Oxygen	mg/L	3.15	0.71	2.32	0.79	0.65	0.43	0.37	3.41	2.96	0.41	**	**
Redox	mV	165.7	113.1	291.1	187.7	89.8	-24.9	46.2	272.4	173.8	156.8	**	**
pH	none	7	7	7	7	7	7	7	7	7	7	**	**
Conductivity	mS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	**
Ferrous Iron	mg/L	0	0	0	0.8	0	0	0	0	0	0	**	**
Temperature	C	11.1	9.4	12.7	12	8.3	14.2	13.7	11.7	8.2	16.7	**	**
Key:													
		ES	=	Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard		CFU/ml	=	Colony forming units per milliliter					
		PAL	=	Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit		µg/l	=	Micrograms per liter					
		bold	=	Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit		mg/l	=	Milligrams per liter					
		bold	=	Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard		mV	=	Millivolts					
						mS	=	Millisiemens					

Table 2
Groundwater Quality Results - BTEX and Detects Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

ANALYTE	Date	MW-15C		MW-15D			MW-15E			Chapter NR 140	
		04/25/01	08/29/01	01/09/01	04/25/01	08/29/01	01/09/01	04/25/01	08/29/01	ES	PAL
VOCS											
Benzene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
1,1 Dichloroethane	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	850	85
1,1 Dichloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	7	0.7
1,1,1 Trichloroethane	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	200	40
1,2 Dichloroethane	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
cis-1,2 Dichloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	70	7
Ethylbenzene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	700	140
Methyl Tert Butyl Ether	µg/l	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	60	12
Tetrachloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
Tetrahydrofuran	µg/l	<100	<100	<1.0	<100	<100	<1.0	<100	<100	50	10
Toluene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	343	68.6
trans-1,2 Dichloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100	20
Trichloroethene	µg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5	0.5
Trichlorofluoromethane	µg/l	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	**	**
Vinyl Chloride	µg/l	<5.0	<1.0	<5.0	<5.0	<1.0	<5.0	<5.0	<1.0	0.2	0.02
Xylenes	µg/l	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	620	124
Semivolatile Organic Compounds											
bis(2-Ethylhexyl)phthalate	µg/l	NA	NA	NA	<5.0	NA	NA	<5.0	NA	**	**
Phenol	µg/l	NA	NA	NA	<5.0	NA	NA	<5.0	NA	6000	1200
Bacterial Plate Counts											
Heterotrophic Plate Count	CFU/ml	NA	**	**							
Hydrocarbon Degraders	CFU/ml	NA	**	**							
Nutrient Panel											
Total Organic Carbon	µg/l	NA	**	**							
Alkalinity	µg/l	NA	**	**							
Sulfate	µg/l	NA	250000	125000							
Nitrogen, Nitrate	µg/l	NA	**	**							
Lead, Soluble	µg/l	NA	15	1.5							
Manganese, Dissolved	µg/l	NA	50	25							
Dissolved Gases											
Carbon Dioxide	mg/L	NA	**	**							
Ethane	mg/L	NA	**	**							
Ethene	mg/L	NA	**	**							
Methane	mg/L	NA	**	**							
In Situ Field Measurements											
Dissolved Oxygen	mg/L	0.72	0.34	3.59	0.51	0.19	7.35	0.81	0.32	**	**
Redox	mV	94	252.5	265.4	78	261.2	259.2	57.6	172.1	**	**
pH	none	7	7	7	7	7	7	7	7	**	**
Conductivity	mS	NA	**	**							
Ferrous Iron	mg/L	0	0	0	0	0	0	0	0	**	**
Temperature	C	8.9	16.4	11.8	9.1	17.2	13.2	8.8	16.7	**	**
Key:											
ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard											
PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit											
bold = Exceeds Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit											
bold = Exceeds Wisconsin Administrative Code Chapter NR 140 Enforcement Standard											

Table 1
 Pre-Remedial Soil Quality Results - Detections Only
 Mercury Marine Plant 15 Chlorinated Investigation
 Fond du Lac, Wisconsin

Boring ID	G-1		G-2		G-3		G-4		G-5		G-6		G-7		G-8		G-9		G-10		MW-15A		NR 720 Soil Cleanup Levels
	2-4	10-12	2-4	10-12	2-4	10-12	2-4	10-12	2-4	10-12	0-2	10-12	0-2	10-12	0-2	10-12	2-4	10-12	2-4	10-12	1-3*	5-7*	
Diesel Range Organics	NA	NA	NA	NA	<14.2	<14.3	100																
Volatile Organic Compounds																							
1,1-Dichloroethane	<18	<32	<29	<35	<33	<32	<30	76	<30	<32	<34	<33	<32	<34	<32	<34	<35	<29	<33	<32	<38	<39	**
cis-1,2-Dichloroethene	<18	<32	<29	<35	<33	<32	<30	<26	<30	<32	<34	<33	<32	<34	<32	75	<35	<29	<33	<32	<38	<39	**
Trichloroethene	<18	<32	<29	<35	<33	<32	<30	<26	<30	<32	<34	<33	<32	<34	<32	75	100	<29	<33	<32	<38	<39	**

KEY: Soil results for G-1 through G-10 presented as wet results. Soil borings completed on November 10, 2000
 NA = Not Analyzed
 * = Acetone detected in sample at concentrations of 680 ug/kg at 1-3' and 640 ug/kg at 5-7'; results considered suspect due to common laboratory contaminant
 ** = No Standard Established
 bold = Detected above laboratory detection limits
 VOC results expressed in micrograms per kilogram (ug/kg).

Table 1
Pre-Remedial Soil Quality Results - Detections Only
 Mercury Marine Plant 15 South
 Fond du Lac, Wisconsin

Boring ID	GP-1	GP-2	Soil Pile	MW-6	MW-7	MW-8	MW-9	MW-10	B-11	B-11	NR 720 Soil Cleanup Levels
Depth (feet bgs)	2-4	0-2		7-9	7-9	5-7	7-9	7-9	1-3	5-7	
GRO	<1.4	NA	<1.4	<1.5	<1.5	<1.4	<1.4	<1.3	54	<1.4	100
Lead	NA	NA	NA	4	4.2	3.4	3.6	3.3	4.6	3.7	500
Volatile Organic Compounds											
Benzene	<0.017	0.48	<0.017	<0.018	0.033	<0.017	<0.018	<0.018	1	0.056	0.0055
Toluene	<0.016	0.61	<0.016	<0.016	<0.017	<0.016	<0.016	<0.016	5.3	<0.016	1.5
Ethylbenzene	<0.016	0.18	<0.016	<0.016	<0.017	<0.016	<0.016	<0.015	0.26	<0.016	2.9
Total Xylenes	<0.034	2.73	<0.034	<0.035	<0.035	<0.034	<0.034	<0.031	1.64	<0.033	4.1
1,2,4-Trimethylbenzene	<0.025	9.9	0.033	<0.026	<0.026	<0.025	<0.026	<0.023	4	<0.025	NS
1,3,5-Trimethylbenzene	<0.014	6.6	<0.014	<0.014	<0.014	<0.014	<0.014	<0.012	1.3	<0.013	NS

KEY: Geoprobe borings completed on 5/11/98
 NA = Not Analyzed
 NS = No Standard Established
bold = Exceeds NR 720 Soil Cleanup Guidelines
 All results expressed in mg/kg (parts per million)

Table 1
Pre-Remedial Soil Quality Results - Detections Only
 Mercury Marine Plant 15 North
 Fond du Lac, Wisconsin

Boring ID	GP-1	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	MW-1	MW-2	MW-3	Soil Pile	NR 720 Soil
Depth (feet bgs)	9-11	7-9	11-13	7-9	11-13	1-3	5-7	5-7	7-9	5-7	5-7	Surface Cuttings	Cleanup Levels
GRO	<1.5	<1.5	<1.5	<1.4	<1.4	<1.4	20	7.2	<1.4	<1.3	6.8	14	100
DRO	NA	NA	NA	NA	NA	NA	6.9	NA	NA	NA	NA	NA	100
Volatile Organic Compounds													
Benzene	<0.018	<0.018	<0.018	<0.018	<0.017	<0.017	<0.017	0.2	<0.017	<0.016	<0.017	<0.015	0.0055
Toluene	<0.017	<0.017	<0.017	<0.016	<0.016	<0.016	<0.016	0.026	<0.016	<0.015	<0.016	<0.014	1.5
Ethylbenzene	<0.017	<0.017	<0.017	<0.016	<0.016	<0.016	<0.016	0.1	<0.016	<0.015	<0.016	<0.014	2.9
Total Xylenes	<0.034	<0.035	<0.035	<0.034	<0.033	<0.033	0.64	<0.033	<0.034	<0.031	0.022	<0.03	4.1
1,1-Dichloroethane	<0.023	<0.023	<0.023	<0.022	<0.022	<0.022	<0.022	0.099	NA	NA	NA	NA	NS
1,1,1-Trichloroethane	<0.025	<0.026	<0.026	<0.025	<0.024	<0.024	<0.025	0.077	NA	NA	NA	NA	NS
cis-1,2-Dichloroethene	0.024	<0.018	<0.018	<0.018	0.065	<0.017	<0.017	<0.017	NA	NA	NA	NA	NS
n-Propylbenzene	<0.01	<0.01	<0.011	<0.01	0.019	<0.01	<0.01	0.12	NA	NA	NA	NA	NS
1,2,4-Trimethylbenzene	<0.025	<0.026	<0.026	<0.025	<0.024	<0.024	0.15	0.37	<0.025	<0.023	<0.025	0.42	NS
1,3,5-Trimethylbenzene	<0.014	<0.014	<0.014	<0.014	0.029	<0.013	0.51	0.02	<0.013	<0.012	0.13	<0.012	NS
Isopropylbenzene	<0.017	<0.017	<0.017	<0.016	<0.016	<0.016	0.17	0.056	NA	NA	NA	NA	NS
sec-Butylbenzene	<0.02	<0.02	<0.021	<0.02	<0.019	<0.019	0.53	<0.02	NA	NA	NA	NA	NS
n-Butylbenzene	<0.023	<0.023	<0.023	<0.022	<0.022	<0.022	0.38	0.049	NA	NA	NA	NA	NS
Diisopropyl Ether	<0.014	<0.014	<0.014	<0.014	<0.013	<0.013	<0.014	0.055	NA	NA	NA	NA	NS

KEY: Geoprobe borings completed on 5/11/98
 NA = Not Analyzed
 NS = No Standard Established
bold = Exceeds NR 720 Soil Cleanup Guidelines
 All results expressed in milligrams per kilogram (mg/kg)

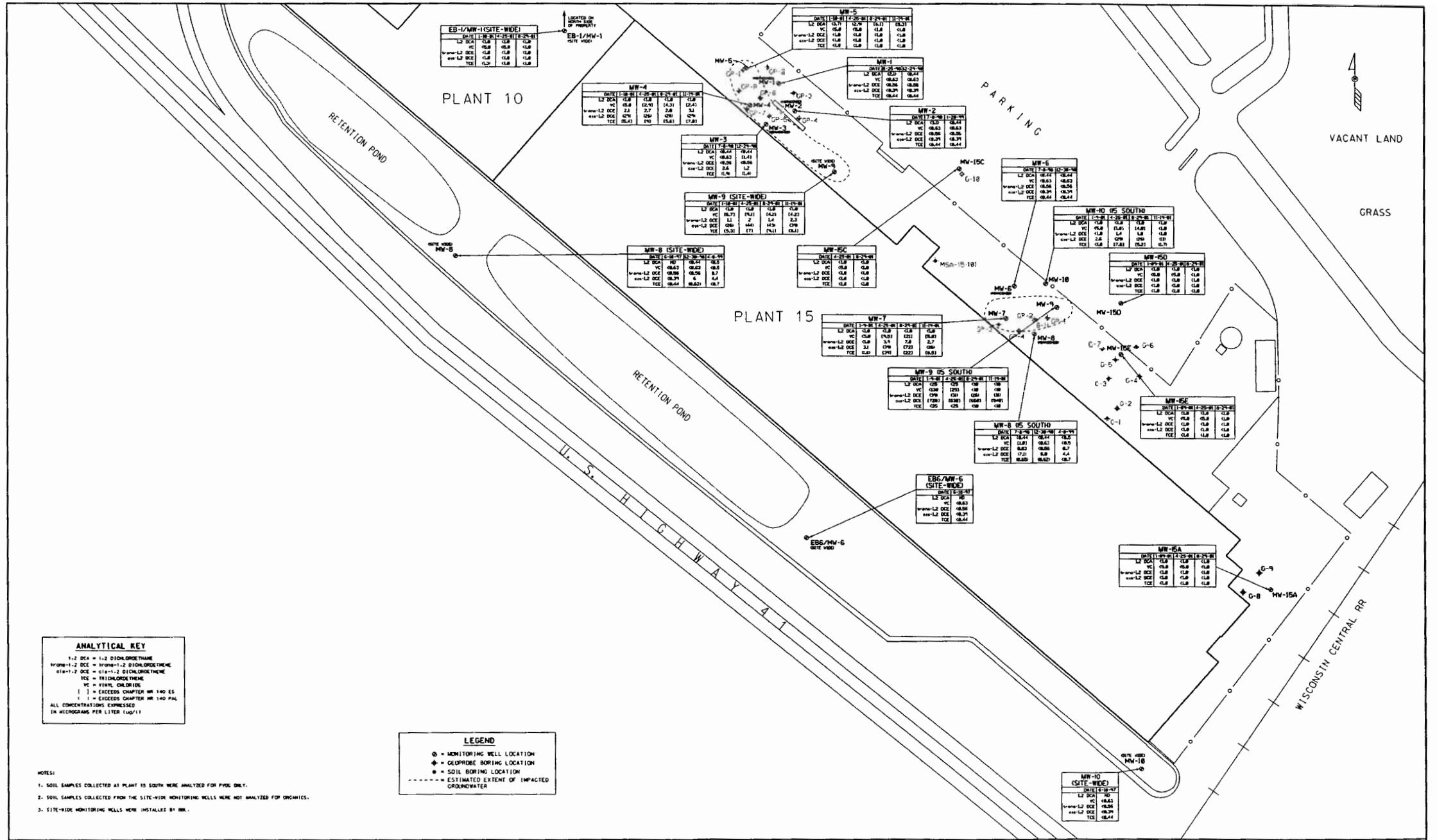
Table 1
Pre-Remedial Biofeasibility Soil Quality Results

Mercury Marine Plant 15
 Fond du Lac, Wisconsin

Boring ID		GP-A	GP-B	GP-C	GP-D	GP-E	GP-F
Depth (feet bgs)		5-7	2-4	5-7	7-9	7-9	1-3
Heterotrophic Plate Count	CFU/g	1400	26000	120	490	250	7700
Hydrocarbon Degraders	CFU/g	<1.2	1800	240	<1.2	120	<1.2
Total Organic Carbon	mg/kg	52000	35000	36000	36000	44000	41000
Nitrate Nitrogen	mg/kg	<0.049	<0.05	<0.049	<0.05	<0.051	0.051
Ammonia Nitrogen	mg/kg	<0.072	<0.074	<0.071	<0.074	<0.074	7.3
Kjeldahl Nitrogen	mg/kg	120	140	130	150	170	130
Soluble Orthophosphate	mg/kg	<0.91	<0.89	<0.85	<0.94	1.7	<0.91
pH		8.09	7.89	8.14	7.8	8.35	7.7
Percent Moisture	%	16	18	16	19	19	17
Calculated Ratios							
C:N	none	433.8	250.2	277.2	240.0	258.8	334.3
C:P	none	57,142.9	39,325.8	42,352.9	38,297.9	25,882.4	45,054.9

KEY:

CFU/g = Colony forming units per gram
 mg/kg = Milligrams per kilogram



SIGMA
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SCALE - 1" = 80' - 0"
 0' 40' 80' 120' 160'

NO	DATE	REVISIONS	BY	APVD	NAME:	DATE:
					DRAWN BY: BEB	1-10-02
					DESIGNED BY:	
					CHECKED BY:	
					APPROVED BY:	

MERCURY MARINE - PLANT 15
 FOND DU LAC, WISCONSIN
 GROUNDWATER SAMPLE LOCATION MAP

DRAWING NUMBER
 5891-007
 FIGURE 6

**Table 3
Groundwater Elevations
Mercury Marine Plant 15
Fond du Lac, 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-1	786.21	786.00	dry	dry	dry	07/08/98		
			5.94	6.15	780.06	09/29/98		
			6.48	6.69	779.52	12/29/98		
			7.08	7.29	778.92	01/20/99		
			ABANDONED					
MW-2	786.21	785.99	5.42	5.64	780.57	07/08/98		
			5.70	5.92	780.29	09/29/98		
			**	**	**	12/29/98		
			6.72	6.94	779.27	01/20/99		
			ABANDONED					
MW-3	786.41	786.17	5.27	5.51	780.90	07/08/98		
			5.45	5.69	780.72	09/29/98		
			5.47	5.71	780.70	12/29/98		
			6.45	6.69	779.72	01/20/99		
			ABANDONED					
MW-4	786.74	786.27	5.54	6.01	780.73	07/08/98		
			*	*	*	09/29/98		
			6.31	6.78	779.96	01/20/99		
			6.40	6.87	779.87	01/09/01		
			5.11	5.58	781.16	04/26/01		
			6.00	6.47	780.27	08/29/01		
			5.59	6.06	780.68	11/19/01		
			ABANDONED					
MW-5	786.23	785.99	6.13	6.37	779.86	07/08/98		
			6.44	6.68	779.55	09/29/98		
			6.71	6.95	779.28	12/29/98		
			6.79	7.03	779.20	01/20/99		
			6.65	6.89	779.34	01/09/01		
			6.81	7.05	779.18	04/26/01		
			6.38	6.62	779.61	08/29/01		
			6.33	6.57	779.66	11/19/01		
			ABANDONED					
MW-6	785.9	785.6	3.90	4.20	781.7	07/08/98		
			2.76	3.06	782.84	09/29/98		
			3.18	3.48	782.42	12/29/98		
			4.08	4.38	781.52	04/08/99		
			ABANDONED					
MW-7	786.4	785.95	3.38	3.83	782.57	07/08/98		
			3.25	3.70	782.7	09/29/98		
			3.35	3.80	782.6	12/29/98		
			3.27	3.72	782.68	04/08/99		
			3.00	3.44	782.95	01/09/01		
	786.39	785.95	2.97	3.41	782.98	04/26/01		
			3.33	3.77	782.62	08/29/01		
			3.15	3.59	782.80	11/19/01		
			ABANDONED					
MW-8	786.09	785.69	3.90	4.30	781.79	07/08/98		
			3.61	4.01	782.08	09/29/98		
			3.94	4.34	781.75	12/29/98		
			3.46	3.86	782.23	04/08/99		
			ABANDONED					

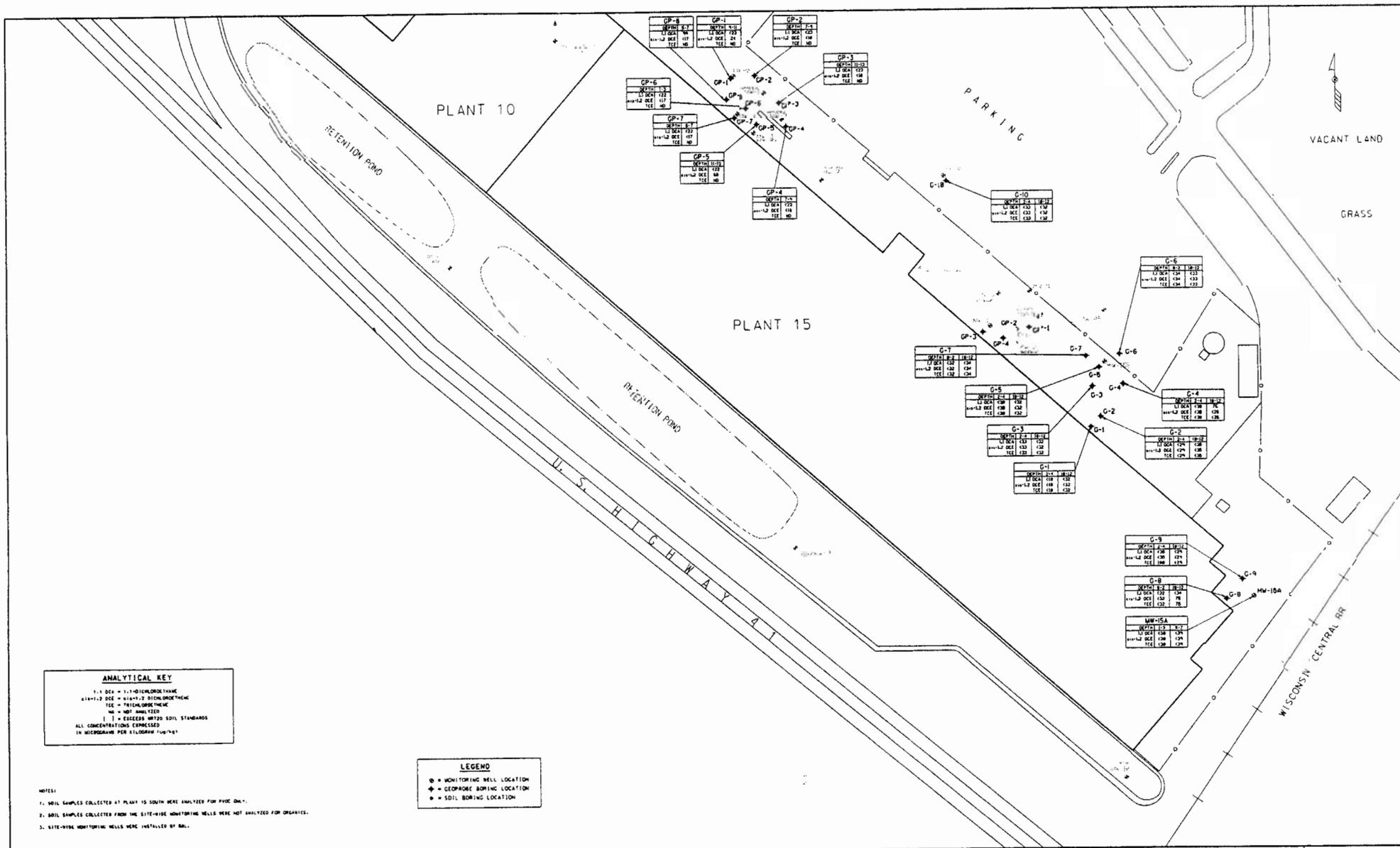
Table 3
Groundwater Elevations
Mercury Marine Plant 15
Fond du Lac, Wisconsin

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-9	786.29	785.81	4.23	4.71	781.58	07/08/98
			4.26	4.74	781.55	09/29/98
	786.28	785.81	4.06	4.54	781.75	12/29/98
			3.68	4.16	782.13	04/08/99
			3.45	3.92	782.36	01/09/01
			3.36	3.83	782.45	04/26/01
			4.37	4.84	781.44	08/29/01
			4.40	4.87	781.41	11/19/01
MW-10	786.25	785.74	3.18	3.69	782.56	07/08/98
			3.07	3.58	782.67	09/29/98
			3.13	3.64	782.61	12/29/98
			3.03	3.54	782.71	04/08/99
			2.66	3.17	783.08	01/09/01
			2.63	3.14	783.11	04/26/01
			3.00	3.51	782.74	08/29/01
			2.81	3.32	782.93	11/19/01
EB-1/MW-1 (site wide)	783.3	785.84	10.09	7.55	775.75	01/09/01
			10.56	8.02	775.28	04/26/01
			9.53	6.99	776.31	08/29/01
			11.41	8.87	774.43	11/19/01
MW-9 (site wide)	786.6	788.72	8.95	6.83	779.77	01/09/01
			8.56	6.44	780.16	04/26/01
			8.60	6.48	780.12	08/29/01
			8.75	6.63	779.97	11/19/01
MW-15A	787.88	787.53	11.95	12.30	775.58	01/09/01
			5.57	5.92	781.96	04/26/01
			4.29	4.64	783.24	08/29/01
			5.10	5.45	782.43	11/19/01
MW-15C	786.22	785.88	dry	dry	dry	01/09/01
			1.31	1.65	784.57	04/26/01
			2.85	3.19	783.03	08/29/01
			4.45	4.79	781.43	11/19/01
MW-15D	786.71	786.28	4.13	4.56	782.15	01/09/01
			1.12	1.55	785.16	04/26/01
			1.68	2.11	784.6	08/29/01
			2.80	3.23	783.48	11/19/01
MW-15E	785.91	785.56	9.78	10.13	775.78	01/09/01
			3.12	3.47	782.44	04/26/01
			2.81	3.16	782.75	08/29/01
			3.15	3.50	782.41	11/19/01

Elevations taken relative to mean sea level.

* Monitoring well MW-4 was covered by asphalt and could not be located.

**Monitoring well MW-2 was covered by snow and could not be located.



ANALYTICAL KEY

1.1 DCE = 1,1-DICHLOROETHANE
 1,1+1,2 DCE = 1,1+1,2-DICHLOROETHANE
 TCE = TRICHLOROETHENE
 ND = NOT ANALYZED
 | | = EXCEEDS MPT30 SOIL STANDARDS
 ALL CONCENTRATIONS EXPRESSED
 IN MICROGRAMS PER LITROGRAM (µg/g)

LEGEND

○ = MONITORING WELL LOCATION
 ◆ = GEOPROBE BORING LOCATION
 ● = SOIL BORING LOCATION

- NOTES:**
1. SOIL SAMPLES COLLECTED AT PLANT 15 SOUTH WERE ANALYZED FOR PYRACONAZOLE.
 2. SOIL SAMPLES COLLECTED FROM THE SITE-WIDE MONITORING WELLS WERE NOT ANALYZED FOR ORGANICS.
 3. SITE-WIDE MONITORING WELLS WERE INSTALLED BY BNL.

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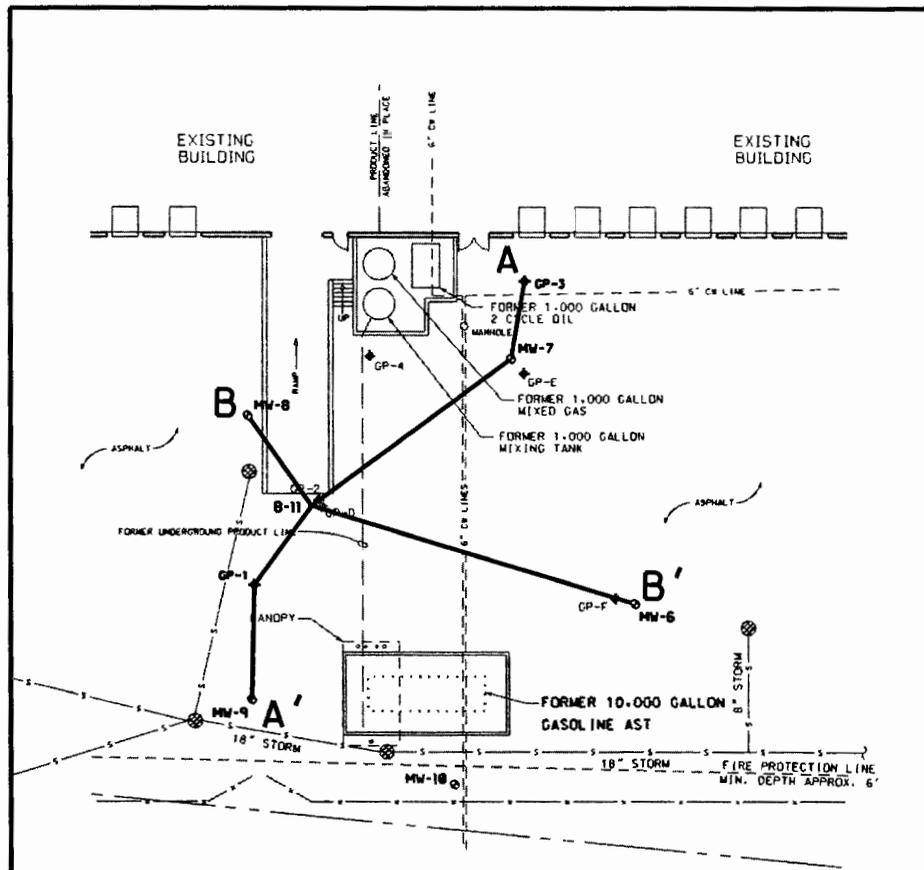
SCALE - 1" = 80' - 0"

NO	DATE	REVISIONS	BY	APVD	NAME	DATE
					DRAWN BY: REG	7-31-01
					DESIGNED BY:	
					CHECKED BY:	
					APPROVED BY:	

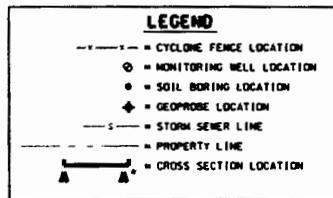
MERCURY MARINE- PLANT 15
 FOND DU LAC, WISCONSIN
 PRE-REMEDIAL SOIL SAMPLE LOCATION MAP

DRAWING NUMBER
 5891-006

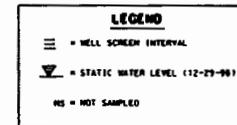
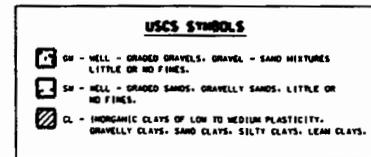
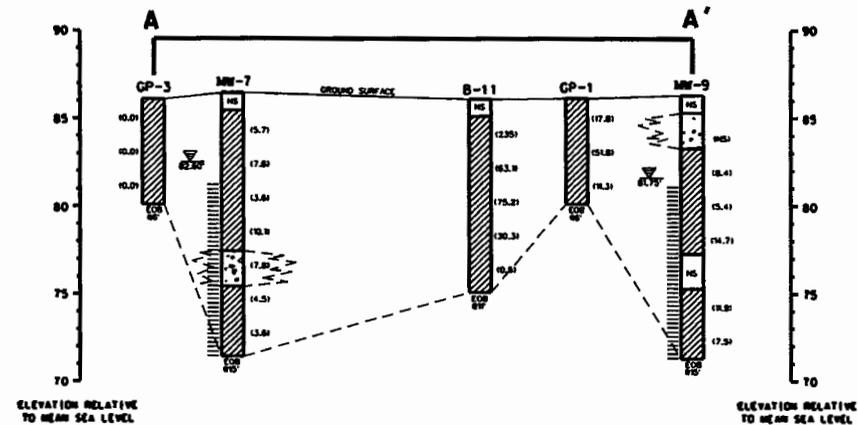
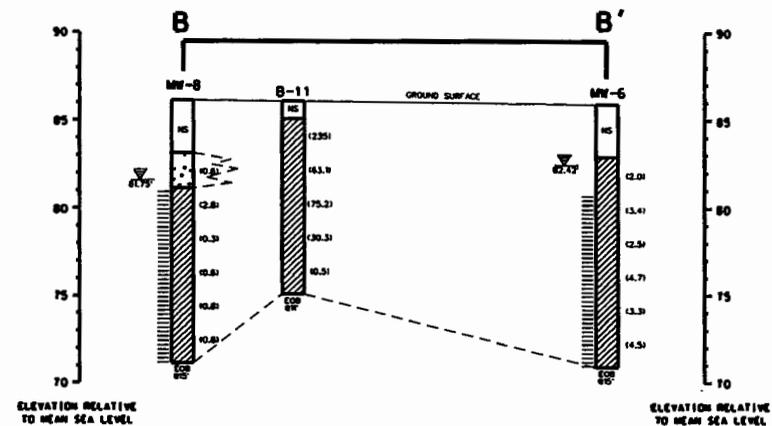
FIGURE 4



GEOLOGIC CROSS SECTION LOCATION



NOTE:
 1. THIS MAP BASED ON PLAN TITLED "PLANT 15 AST REMOVAL PLAN"
 PRODUCED BY MERCURY MARINE PLANT ENGINEERING DEPARTMENT, DATED 1-30-98.
 2. GEOPROBE BORINGS AND MONITORING WELL LOCATIONS BASED ON J.E ARTHUR AND ASSOCIATES, INC. SURVEY ON (8-3-98).



NOTES:
 HORIZONTAL SCALE 1" = 20'
 VERTICAL SCALE 1" = 5'
 1" = 1" FIELD PHOTOIDENTIFICATION DETECTION RESULTS, EXPRESSED AS INSTANT UNITS AS ISOBUTYLENE (IUI).

SIGMA
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 1-800-732-4671

SCALE - 1" = 20' - 0"

NO	DATE	REVISIONS	BY	APVD

NAME:	DATE:
DRAWN BY: BEB	5-7-99
DESIGNED BY:	
CHECKED BY:	
APPROVED BY:	

MERCURY MARINE - PLANT 15 SOUTH
 W6250 West Pioneer Road, Fond du Lac, Wisconsin
 Pre-Remedial Geologic Cross Sections A-A' and B-B'

DRAWING NUMBER
 4682-009
FIGURE 5B

Mercury Marine, the responsible party for the Plant 15 property located at W6250 Pioneer Road, Fond du Lac, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources (and included with this statement) for case file reference 02-20-218183 is complete and accurate to the best of our knowledge.

Signature of Representative for Responsible Party:

Date:



Attorney
Mercury Marine, a div. of Brunswick Corp.

