GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

CLOSURE DATE: Feb 11, 2003

BRRTS #: **03-71-000359**

FID #: 471082150

ACTIVITY NAME: MERCURY MARINE CORP - BLDG 64

DATCP #:

PROPERTY ADDRESS: 455 MARION RD

COMM #: 54901479855

MUNICIPALITY: OSHKOSH

PARCEL ID #: 90102220000 (August 2009)

***WTM COORDINATES:**

X: **636563** Y: **394758**

** Coordinates are in WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- (●) Approximate Center Of Contaminant Source
- ( ) Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- [x] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property")*

- [x] Soil Contamination > *RCL or **SSRCL *(232)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

  *(**note:** for list of off-source properties see "Impacted Off-Source Property")*

Land Use Controls:

- [ ] N/A (*Not Applicable*)
- [ ] Soil: maintain industrial zoning *(220)*

  *(**note:** soil contamination concentrations between non-industrial and industrial levels)*
- [ ] Structural Impediment *(224)*
- [ ] Site Specific Condition *(228)*
- [x] Cover or Barrier *(222)*

  *(**note:** maintenance plan for groundwater or direct contact)*
- [ ] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

  *(**note:** local government or economic development corporation)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? *(234)*

( ) Yes (●) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

GIS Registry Checklist

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-71-000359 PARCEL ID #: 90102220000 (August 2009)

ACTIVITY NAME: MERCURY MARINE CORP - BLDG 64 WTM COORDINATES: X: 636563 Y: 394758

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- [x] **Closure Letter**
- [x] **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)
- [x] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- [x] **Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
  Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- [ ] **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map *for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.* (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

  Figure #: **Title:**
- [ ] **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- [x] **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
  Note: *Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*

  Figure #: na **Title: na**
- [x] **Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 2 **Title: Soil Boring and Monitoring Well Location Diagram**
- [x] **Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL)as determined under s. NR 720.09, 720.11 and 720.19.

  Figure #: 7 **Title: Soil Boring Soil Contamination**

BRRTS #: 03-71-000359 ACTIVITY NAME: MERCURY MARINE CORP - BLDG 64

MAPS (continued)

☒ **Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: 3, 4 **Title: Cross Sections A-A' and B-B'**

Figure #: 5 **Title: Cross Section C-C'**

☒ **Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.
Note: *This is intended to show the total area of contaminated groundwater.*

Figure #: 10, 11 **Title: GW Benzene Concentrations, GW Chlorinated VOC Concentrations**

☒ **Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 7 **Title: Groundwater Table Contour Map (7-22-97)**

Figure #: 8 **Title: Groundwater Table Contour Map (5-1-00)**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

☒ **Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 1 **Title: Soil Field Observations and Laboratory Analytical Results**

☒ **Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: 3 **Title: Groundwater Analytical Results**

☒ **Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: 2 **Title: Groundwater Elevation Summary**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.
Note: *If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.*

☐ **Not Applicable**

☐ **Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.
Note: *If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.*

Figure #: **Title:**

☐ **Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

☐ **Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

☒ **Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-71-000359 ACTIVITY NAME: MERCURY MARINE CORP - BLDG 64

NOTIFICATIONS

Source Property

☐ **Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

☐ **Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: *Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*

Number of "Off-Source" Letters:

☐ **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

☐ **Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies).** This does not apply to right-of-ways.
Note: *If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*

☐ **Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

Number of "Governmental Unit/Right-Of-Way Owner" Letters:

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TDD 920-492-5912

February 11, 2003

Mr. Ray Moreno
Mercury Marine
W6250 Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54936-1939

Subject: Case Closure, Mercury Marine Plant 64, 455 Marion Road, Oshkosh, Wisconsin
BRRTS # 03-71-000359

Dear Mr. Moreno:

The above case has been reviewed for closure by the Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On April 17, 2001, you were notified that the Closure Committee had granted conditional closure to this case.

The Department has received the documents needed for this case to comply with the conditions of closure. A groundwater use and a soil deed restriction has been filed with the Winnebago County Register of Deeds for the contamination left on-site. Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

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

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Please be aware that this 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.

The Department appreciates your company's efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-492-5861.

Yours truly,

Alan Thomas Nass

Alan Thomas Nass, PG, PS
Hydrogeologist

OCT 1 1 2002

Document Number

DEED RESTRICTION

WI DNR RECEIVED OCT 1 5 2002 NER WASTE/RR

1203120

REGISTER'S OFFICE
WINNEBAGO COUNTY, WI
RECORDED ON

10-01-2002 02:18 PM

SUSAN WINNINGHOFF
REGISTER OF DEEDS

RECORDING FEE	31.00
TRANSFER FEE	
# OF PAGES	11

Recording Area

Name and Return Address
Mercury Marine
Environmental Department
W6250 Pioneer Road
P.O. Box 1939
Fond du Lac, WI 54936-1939

Parcel Identification Number (PIN)

Declaration of Restrictions

In Re: The following properties as described below and as described in Exhibit A (Warranty Deed) and Exhibit B (Sheriff's Deed). Both exhibits are hereby attached and made a part of this restriction.

Lot 10 of Block "D" in the Plat of the WESTERN ADDITION to Oshkosh, in the 1st Ward, City of Oshkosh; excepting therefrom that portion conveyed to the Oshkosh City Railroad Company, as described in Volume 86 on page 193, Winnebago County Registry.

Lot 11, of Block "D" in Plat of the WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh, excepting therefrom that portion heretofore conveyed to the Oshkosh City Railroad Company by Deed recorded in Volume 86 on page 193, Winnebago County Registry.

Lot 12 of Block "D" in PLAT OF WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh.

Lots eight (8) and nine (9) of Block "D" in PLAT OF WESTERN ADDITION to City of Oshkosh, in the First Ward, City of Oshkosh.

All as also described in Exhibit A.

As also described in Exhibit B.

STATE OF WISCONSIN)
) ss
COUNTY OF WINNEBAGO)

WHEREAS, Mercury Marine (formerly known as the Kiekhaefer Corporation) a Division of the Brunswick Corporation, a Delaware Corporation, is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. Petroleum-contaminated groundwater above ch. NR 140, Wis. Adm. Code enforcement

standards existed on this property at the following locations on the following dates: at hydraulic probe 97-11 on June 12, 1997, benzene at 54 micrograms per liter (ug/l), at monitoring well 64W92-4 on November 30 1998, benzene at 6.5 ug/l, and at monitoring well 64W97-7 on December 20, 1999, benzene at 140 ug/l, and soil contamination existed on the property at the following location on the following date: at soil boring 95-63 on August 17, 1995, benzene at 11,300 micrograms per kilogram (ug/kg). The location of the monitoring wells and soil boring are provided on Figure 1, attached and made part of this restriction.

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

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

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

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

> Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or it successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.
>
> If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.
>
> 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 Wisconsin Department of Natural Resources 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, 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. In addition, the cap or cover shall be maintained in compliance with a plan submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code (1999).

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

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

By signing this document, James C. Hubbard asserts that he is duly authorized to sign this document on behalf of the Brunswick Corporation.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 20 day of December, 2001.

Signature: James C. Hubbard
Printed Name: James C. Hubbard
Title: Senior Vice President and Chief of Staff

Subscribed and sworn to before me
this 20 day of December, 2001.
Mary K. Gary
Notary Public, State of WISCONSIN
My commission 3-10-02

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by Mercury Marine's Environmental Department.

WI DNR RECEIVED NER WASTE/RR

MERCURY MARINE PLANT 64
455 MARION ROAD
OSHKOSH, 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 03-71-000359. 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 case closure. Following, are the site location, nature and extent of contamination, description of cap maintenance activities, and site contacts.

Location

Mercury Marine Plant 64 is located at 455 Marion Road in the City of Oshkosh in Winnebago County, Wisconsin. The site is located in the NE ¼ of the SE ¼ of Section 23, T18N, R16E and consists of Lots Eight (8) through Twelve (12) of Block "D" in the Plat of the Western Addition, First Ward, City of Oshkosh. The site layout is displayed on attached Figure 1.

Nature and Extent of Contamination

Petroleum contamination in soil at the site was the result of leakage from gasoline underground storage tank systems operated by Mercury Marine and previous site owners. The nature and extent of contamination are described in the site investigation report and closure request prepared by STS Consultants, Ltd. of Green Bay, Wisconsin. WDNR conditional case closure was approved pending: (1) filing of a soil deed restriction, (2) submittal of a cap maintenance plan, (3) abandonment of monitoring wells and (4) filing of a groundwater use restriction. Areas of remaining soil contamination are described in the soil deed restriction for the property.

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

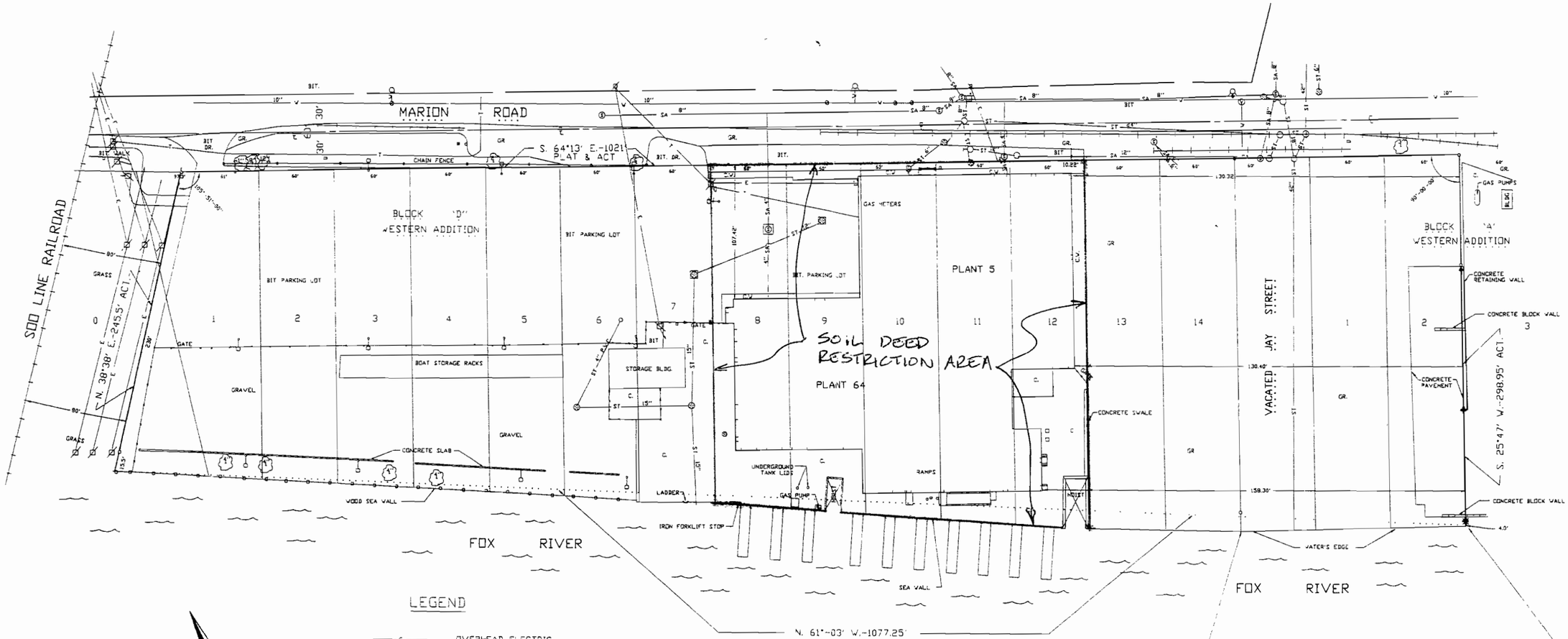
The WDNR and Property Owner contacts for this site at the time of submittal of this plan are listed below. The property owner and agency contacts may change over time.

WDNR Site Contact

Mr. Kevin McKnight
Wisconsin Department of Natural Resources
Bureau of Remediation and Redevelopment
625 East County Road Y
Suite 700
Oshkosh, Wisconsin 54901-9731
(920) 424-7890

Property Owner Contact

Mr. Tom Baumgartner
Director of Environmental Compliance
Mercury Marine
W 6250 Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54936-1939
(920) 929-5379



LEGEND

- OVERHEAD ELECTRIC
- UNDERGROUND TELEPHONE
- FENCE
- STORM SEWER MAIN
- SANITARY SEWER MAIN
- WATER MAIN
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- ROUND TYPE CATCH BASIN
- CURB TYPE CATCH BASIN
- WATER MAIN VALVE
- WATER SERVICE VALVE
- PARKING LOT LIGHT
- POWER POLE
- HYDRANT
- CHISELED CROSS CUT IN CONCRETE
- CHISELED CROSS W/SPIKE IN CONCRETE
- CHISELED ARROW CUT IN CONCRETE
- REBAR SET
- IRON PIPE LOCATED
- C. CONCRETE PAVEMENT
- BIT BITUMINOUS PAVEMENT
- GR. GRAVEL
- POWER POLE W/GUY WIRE

-N-

40 0 40 80
scale feet

NOTE: NORTH-SOUTH PROPERTY LINES FOR LOTS 0-14 IN BLOCK D AND LOTS 1-2 BLOCK A, WESTERN ADDITION ARE SHOWN ON THE PLAT AS ENDING AT THE WATER'S EDGE THE LOT LINES ON THIS MAP ARE SHOWN ENDING AT THE SOUTHERLY SIDE OF THE SEAWALL OR THE WATER'S EDGE

TOTAL ACREAGE = 6.496 ACRES

	U.S.G.S. DATUM
B.M. HYDRANT SOUTH SIDE MARION ROAD 270' EAST OF WISCONSIN AVENUE	ELE / 754.97
B.M. NORTH SIDE MARION ROAD 230'± EAST OF SOO LINE RAILROAD	ELE / 754.40
B.M. HYDRANT NORTH SIDE MARION ROAD 600'± EAST OF SOO LINE RAILROAD	ELE / 753.32
B.M. HYDRANT N.W. CORNER OF MARION ROAD AND VACATED JAY STREET	ELE / 751.98

NOTE: LOTS 1 AND 2 AND VACATED JAY STREET ARE BEING OCCUPIED BY THE PROPERTY OWNER TO THE EAST

PLANT 64

MERCURY MARINE A BRUNSWICK COMPANY

939 PIONEER ROAD • FOND DU LAC WI 54935 U.S.A.

REVISIONS			PLOT PLAN PLANT 5 & 64 FONDDULAC, WISCONSIN
NO.	DATE	BY	
1			FIGURE 1
2			
3			DRAWN BY SCALE 1" = 40' FEET

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters
1125 N. Military Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5800
FAX 920-492-5913
TTY 920-492-5912

April 17, 2001

Mr. Alan Haase
Mercury Marine
6250 West Pioneer Road
P.O. Box 1939
Fond du Lac, Wisconsin 54935-1939

Subject: Conditional Closure Approval with Soil and Groundwater Use Deed Restriction, Mercury Marine Plant 64, 455 Marion Road, Oshkosh, Wisconsin BRRTS #: 03-71-000359

Dear Mr. Haase:

The Bureau for Remediation and Redevelopment's Northeast Region Closure Committee has reviewed the above referenced case and has agreed to close this case pending the completion and filing of a soil and groundwater use deed restriction. This soil and groundwater use deed restriction will state that inaccessible soil and groundwater contamination may remain at this site and that additional remedial action is not feasible at this time. The document would be placed in the file with the deed running with the property. The document would also require the maintenance of the existing impermeable cap (concrete, asphalt or building), and place requirements on well installation and dewatering. Only when the soil and groundwater use deed restriction has been finalized and filed with Winnebago County and proof of filing such restriction has been received by the Department, can this site be closed.

The Department has received the legal description, a copy of the deed and maps necessary to complete the soil and groundwater use deed restriction for your property. The Department is currently reviewing the drafted soil and groundwater use deed restriction containing language regarding the remaining petroleum contamination and will forward it to you for your approval. If the draft is accurate and acceptable, the appropriate party is to sign it and return a copy of the signed and filed restriction to the Department for our records. The Department must also receive documentation of proper abandonment of any and all monitoring wells, extraction wells, piezometers, sumps and soil venting systems if you do not intend to perform long term monitoring at your site. Once all this information is received, the site will be conditionally closed.

This soil and groundwater use deed restriction is an option that the Department can

offer in order to conditionally close this site. If you choose not to accept this option you will need to perform additional investigation and cleanup of the remaining contamination. Within 14 days of receipt of this notice please submit a letter to the Department documenting your intentions. If you have any additional relevant information concerning this matter which was not formerly provided to the Department, you should submit this information to the Department for reevaluation.

If you have any questions, please contact me in Green Bay at 920-492-5861.

Yours truly,

Alan Thomas Nass

Alan Thomas Nass, P.G., P.S.
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Ray Moreno, Mercury Marine (via FAX)
Paul Killian, STS Consultants Ltd., 1035 Kepler Drive, Green Bay, Wisconsin 54311-8320

Exhibit A

WARRANTY DEED

KIEKHAEFER CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located in the County of Fond du Lac, State of Wisconsin, Grantor, hereby conveys and warrants to KIEKHAEFER CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, and duly qualified to do business in the State of Wisconsin, located in the County of Fond du Lac, State of Wisconsin, Grantee, for the sum of $10.00 and other good and valuable consideration, the following tracts of land in Winnebago County, Wisconsin:

Lot 10 of Block "D" in the Plat of the WESTERN ADDITION to Oshkosh, in the 1st Ward, City of Oshkosh; excepting therefrom that portion conveyed to the Oshkosh City Railroad Company, as described in Volume 86 on page 193, Winnebago County Registry.

Lot 11, of Block "D" in Plat of the WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh, excepting therefrom that portion heretofore conveyed to the Oshkosh City Railroad Company by Deed recorded in Volume 86 on page 193, Winnebago County Registry.

Lot 12 of Block "D" in PLAT OF THE WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh.

Lots eight (8) and nine (9) of Block "D" in PLAT OF WESTERN ADDITION to City of Oshkosh, in the First Ward, City of Oshkosh.

Lots 3, 4, 5, 6, 7, 8, 9, 12, 13 and 14, of Block 6, and Lots 3 and 7 of Block 7, all in PLAT OF EICHSTADT SUBDIVISION, in the Town of Oshkosh.

A piece of land lying in the Southeast One-Quarter (SE 1/4) of Section Eleven (11), Town Eighteen North (T.18N.), Range Sixteen East (R.16E.), Town of Oshkosh, Winnebago County, State of Wisconsin, described as follows: Starting at an iron pin in the center of the concrete highway on Murdock Street at the intersection with Elmwood Avenue, Spruce Street, and Vinland Street Road; thence Easterly on center line of Murdock Street, six-hundred seventeen and fifty-two hundredths feet (617.52') to a point five tenths feet (.5') east of the East line of Cedar Street extended;

thence North at right angles thirty feet (30') to the North line of Murdock Street which is the point of beginning; thence two hundred thirty-seven and sixty-two hundredths feet (237.62') along the North line of Murdock Street to a point five feet (5') west of the West line of Beech Street extended; thence North at right angles one hundred ninety feet (190'); thence West at right angles two hundred thirty-seven and sixty-two hundredths feet (237.62'); thence South at right angles one-hundred ninety feet (190') to the point of beginning; being of an area of one and three hundredths acres (1.03acres) more or less, and:

Lots four (4) and eight (8), Block seven (7), Eichstadt Subdivision.

This conveyance is made subject to:

1. A quitclaim conveyance of a twelve (12) foot wide strip to the Oshkosh City Railroad Company recorded in Volume 86, page 193, Winnebago County Registry.

2. Protective restrictions dated September 29, 1947 as amended by document dated February 27, 1952, which include a reservation of easement over portions of the lots for utilities. See Plat of Subdivision and documents No. 151110 and No. 191589 recorded in Winnebago County.

3. Setback line established in deed from Harold J. Eichstadt and Marcella M. Eichstadt, his wife, to Kiekhaefer Corporation dated April 28, 1956 and recorded November 2, 1956 as Document No. 239647.

4. Restrictions contained in deed recorded June 19, 1947 in Volume 559, page 313 of Deeds, document No. 146586 in Winnebago County and purported amendments thereto contained in deed dated June 18, 1952 and recorded as document No. 153539 in said County.

5. Suit commenced in the Circuit Court of Winnebago County, State of Wisconsin by Harold J. Eichstadt and Marcella M. Eichstadt, his wife, vs. Kiekhaefer Corporation, et al., Case No. 28309 involving the enforcement of the above-mentioned protective restrictions relating to the Plat of Eichstadts Subdivision.

6. Indenture of Mortgage dated December 1, 1956, made by Kiekhaefer Corporation to Marshall & Ilsley Bank, as trustee, recorded January 17, 1957, as Document No. 241516.

7. Property taxes, general and special, for 1961 and subsequent years.

8. All applicable zoning and building laws and ordinances and all other governmental restrictions and regulations as may be imposed by or under any laws or ordinances or any governmental body or officer.

IN WITNESS WHEREOF, the said Grantor, acting pursuant to the authorization of its Board of Directors and Stockholders, has caused this deed to be signed by E. C. Kiekhaefer, its President, and countersigned by Robert C. Anderegg, its Secretary, and its corporate seal to be hereunto affixed this 29th day of September, 1961.

KIEKHAEFER CORPORATION,
a Wisconsin corporation

By: E. C. Kiekhaefer
President
E. C. Kiekhaefer

Countersigned

By: Robert C. Anderegg
Secretary
Robert C. Anderegg

Signed and sealed in the presence of:

John A. Cavanaugh

Emory S. Naylor, Jr.

This instrument was drafted by Thomas F. Finch.

STATE OF Illinois
COUNTY OF Cook } SS.

On this the 29th day of September, 1961, before me, Gertrude Ludwig, the undersigned officer, personally appeared E. C. Kiekhaefer and Robert C. Anderegg who acknowledged themselves to be, respectively, the President and Secretary of KIEKHAEFER CORPORATION, a Wisconsin corporation, and that they as such President and Secretary, respectively, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Secretary, respectively.

Gertrude Ludwig
Notary Public
Gertrude Ludwig

My commission expires: May 24, 1964

292223

WARRANTY DEED

Kiekhaefer Corp.
to
Kiekhaefer Corp.

Register's Office
Winnebago County, Wis.
Received for record this 29 day of Oct. A.D. 19 61
at 1:44 o'clock P.M. and recorded in Vol. 990 of RECORDS on page 54
Bernard J. Zeuske
Register of Deeds

BRUNSWICK CORPORATION
823 SOUTH WABASH AVENUE
CHICAGO 5, ILLINOIS

FEDERAL DOCUMENTARY STAMPS WILL BE AFFIXED TO THIS DEED AFTER RECORDATION.

Exhibit B

SHERIFF'S DEED ON FORECLOSURE. (Section 278.17 Wisconsin Statutes)

This indenture, Made the 11th day of April in the year one thousand nine hundred and seventy-four between Marvin R. Peppler, Sheriff of the County of Winnebago, party of the first part, and Brunswick Corporation, a Delaware corporation, party of the second part,

WITNESSETH, THAT WHEREAS, at the January Term of the Circuit Court, State of Wisconsin, held in and for the County of Winnebago, at the Court House in the City of Oshkosh, in said County, on the 12th day of February, seventy-three, it was, among other things, ordered and adjudged in the foreclosure of certain action then pending in the said Court, between First Wisconsin National Bank of Oshkosh (formerly First National Bank in Oshkosh), plaintiff, and The Badger Concrete Company, Edward Olsen & Marguerite H. Olsen, Frank C. Olsen, Capitol Indemnity Corporation, United States, State of Wisconsin, State of Wisconsin Department of Industry, Labor & Human Relations, Marvin Williams, sole trader d/b/a Williams Roofing Company, Courtney & Plummer, Inc., Electrical Contractors Supply, Inc., & Witzke Electric, Inc., defendants,

TRANSFER

$67.10

FEE

~~This is a correction deed~~

~~EXEMPLANATION~~

[illegible] mortgaged premises mentioned in the complaint in said action, and in said judgment described, [illegible] as might be sufficient to raise the amount due to the plaintiff [illegible] for principal, interest and costs in said [illegible] which might be sold separately without material injury to the parties interested, be sold at public auction by or under the direction of the Sheriff of the County of Winnebago, at any time after one year from the date of the judgment or after the expiration of the period of redemption, unless previous to such sale said premises and said judgment shall be redeemed in the manner provided by law; that the said sale be made in the County of Winnebago, [illegible] premises are situate:

[illegible]

that the said Sheriff give public notice of the time and place of such sale, in the manner provided by law; that either or any of the parties in said action might purchase at such sale; that the said Sheriff, upon compliance by the purchaser with the terms of such sale, execute and deliver to the purchaser or purchasers a deed of the premises so sold, setting forth each tract or parcel so sold, the sum paid therefor:

[illegible]

AND WHEREAS, neither said premises, nor any part thereof, had been redeemed, and neither said judgment, nor any part thereof has been paid, and one year from the date of said judgment had expired ~~[illegible]~~;

AND WHEREAS, the said Sheriff, in pursuance of the said judgment of the said Court, did on the 4th day of April, 19 74, sell at public auction, ~~[illegible]~~ on the front steps of the Winnebago County Courthouse in the City of Oshkosh, Winnebago County, Wisconsin,

at the hour of ten o'clock A. M. of that day, the premises in the said judgment mentioned, due notice of the time and place of such sale being first given, agreeably to the said judgment, at which sale the premises hereinafter described were struck off to the said party of the second part for the sum of Sixty-seven Thousand and no/100 Dollars - - - ($67,000.00), said party of the second part

being the highest and best bidder therefor, and that being the highest sum bid for the same.

NOW, THEREFORE, know ye, that I, the said Marvin R. Peppler, Winnebago County, Sheriff aforesaid, by virtue of the said judgment, and of the statute in such case made and provided, and in consideration of the said sum of money, so bidden as aforesaid, being first duly paid by the said party of the second part, the receipt whereof is hereby acknowledged, have granted, bargained, sold, aliened and conveyed, and by these presents do grant, bargain, sell, alien and convey unto the said Brunswick Corporation

and to its successors ~~[illegible]~~ and assigns forever, all the following described real estate:

Lots One (1) and Two (2) of Block "A" in the Plat of the WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh, excepting therefrom that portion thereof heretofore conveyed to The Oshkosh City Railroad Company by Deed recorded in Winnebago County Registry in Volume 86 on Page 191.
Lots Thirteen (13) and Fourteen (14) of Block "D" in the Plat of the WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh, excepting therefrom that portion thereof heretofore conveyed to The Oshkosh City Railroad Company by Deed recorded in Winnebago County Registry in Volume 86 on page 193.
That portion of Jay Street, as now vacated, lying south of the Southerly line of Marion Street, in the Plat of the WESTERN ADDITION to Oshkosh, in the First Ward, City of Oshkosh.
(Winnebago County, Wisconsin.)

TO HAVE AND TO HOLD, all and singular the premises above mentioned and described, and hereby conveyed, or intended to be, unto the said party of the second part, its successors and assigns, to its only proper use, benefit and behoof, FOREVER.

IN WITNESS WHEREOF, The said Marvin R. Peppler, Sheriff as aforesaid, hath hereunto set his hand and seal the day and year first above written.

Signed, Sealed and Delivered in Presence of

LeRoy Luft

Barbara Kamp

Marvin R. Peppler (SEAL)

Sheriff, Winnebago County, Wis.

STATE OF WISCONSIN,

Winnebago County, ss. On the 11th day of April, 19 74, before me came the above named Marvin R. Peppler, Sheriff of Winnebago County, to me known to be the person and officer who executed the foregoing instrument and acknowledged that he executed the same as said Sheriff for the uses and purposes therein set forth.

Diana Swenson

Notary Public, Winnebago County, Wisconsin

My Commission expires Feb 30, 19 75

This instrument was drafted by
Lewis C. Magnusen, Attorney
Oshkosh, Wisconsin.

149860

State of Wisconsin,

Sheriff. Winnebago County.

to

Brunswick Corporation

Deed on Foreclosure

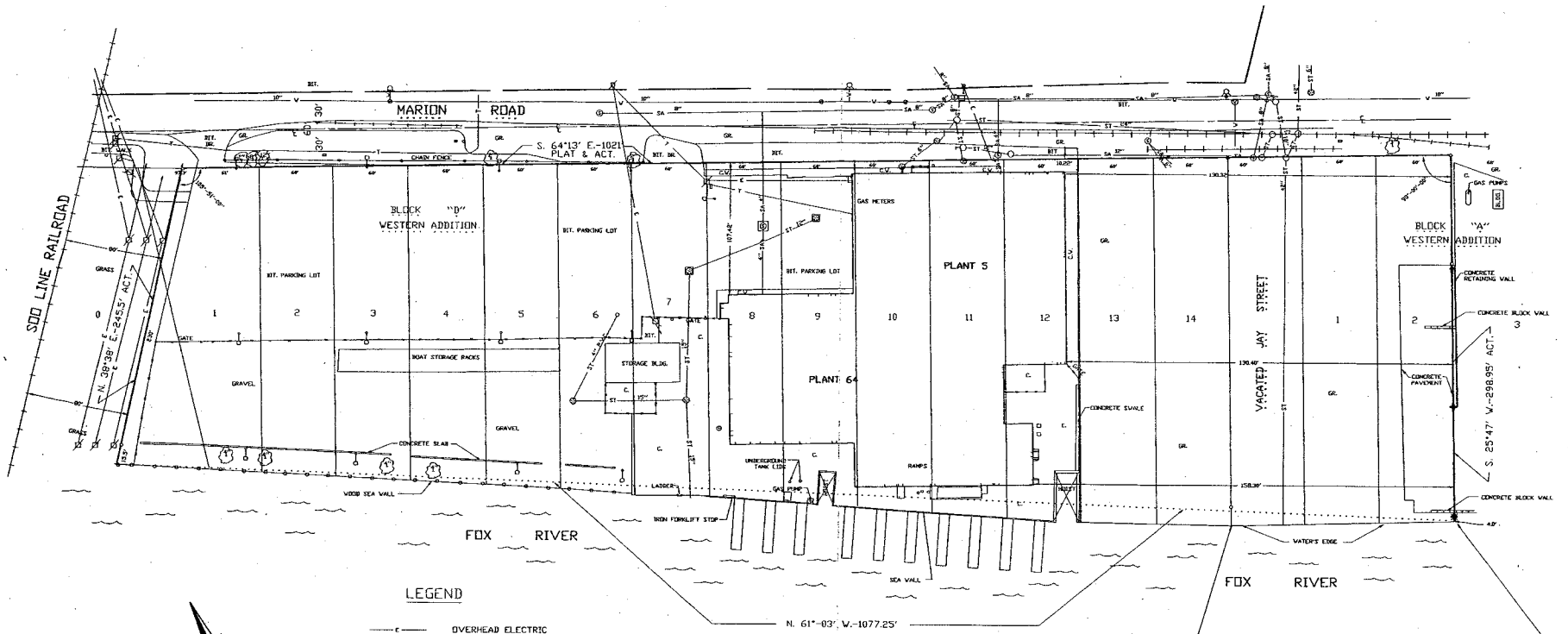
REGISTER'S OFFICE,
STATE OF WISCONSIN,
WINNEBAGO County.

Received for Record this 17th day of May A. D., 1974 at 2:00 o'clock P. M., ~~and recorded in Volume of Deeds on page~~

Viola Zimstahl
Register of Deeds.

Deputy.

4.00



LEGEND

E	OVERHEAD ELECTRIC
T	UNDERGROUND TELEPHONE
	FENCE
ST	STORM SEWER MAIN
SA	SANITARY SEWER MAIN
V	WATER MAIN
	STORM SEWER MANHOLE
	SANITARY SEWER MANHOLE
	ROUND TYPE CATCH BASIN
	CURB TYPE CATCH BASIN
	WATER MAIN VALVE
	WATER SERVICE VALVE
	PARKING LOT LIGHT
	POWER POLE
	HYDRANT
	CHISELED CROSS CUT IN CONCRETE
	CHISELED CROSS W/SPIKE IN CONCRETE
	CHISELED ARROW CUT IN CONCRETE
	REBAR SET
	IRON PIPE LOCATED
C.	CONCRETE PAVEMENT
BIT.	BITUMINOUS PAVEMENT
GR.	GRAVEL
	POWER POLE W/GUY WIRE

1"=40' 40 0 40 80 scale feet

NOTE: NORTH-SOUTH PROPERTY LINES FOR LOTS 0-14 IN BLOCK D AND LOTS 1-2 BLOCK A, WESTERN ADDITION ARE SHOWN ON THE PLAT AS ENDING AT THE WATER'S EDGE. THE LOT LINES ON THIS MAP ARE SHOWN ENDING AT THE SOUTHERLY SIDE OF THE SEAWALL OR THE WATER'S EDGE

NOTE: LOTS 1 AND 2 AND VACATED JAY STREET ARE BEING OCCUPIED BY THE PROPERTY OWNER TO THE EAST.

TOTAL ACREAGE = 6.496 ACRES

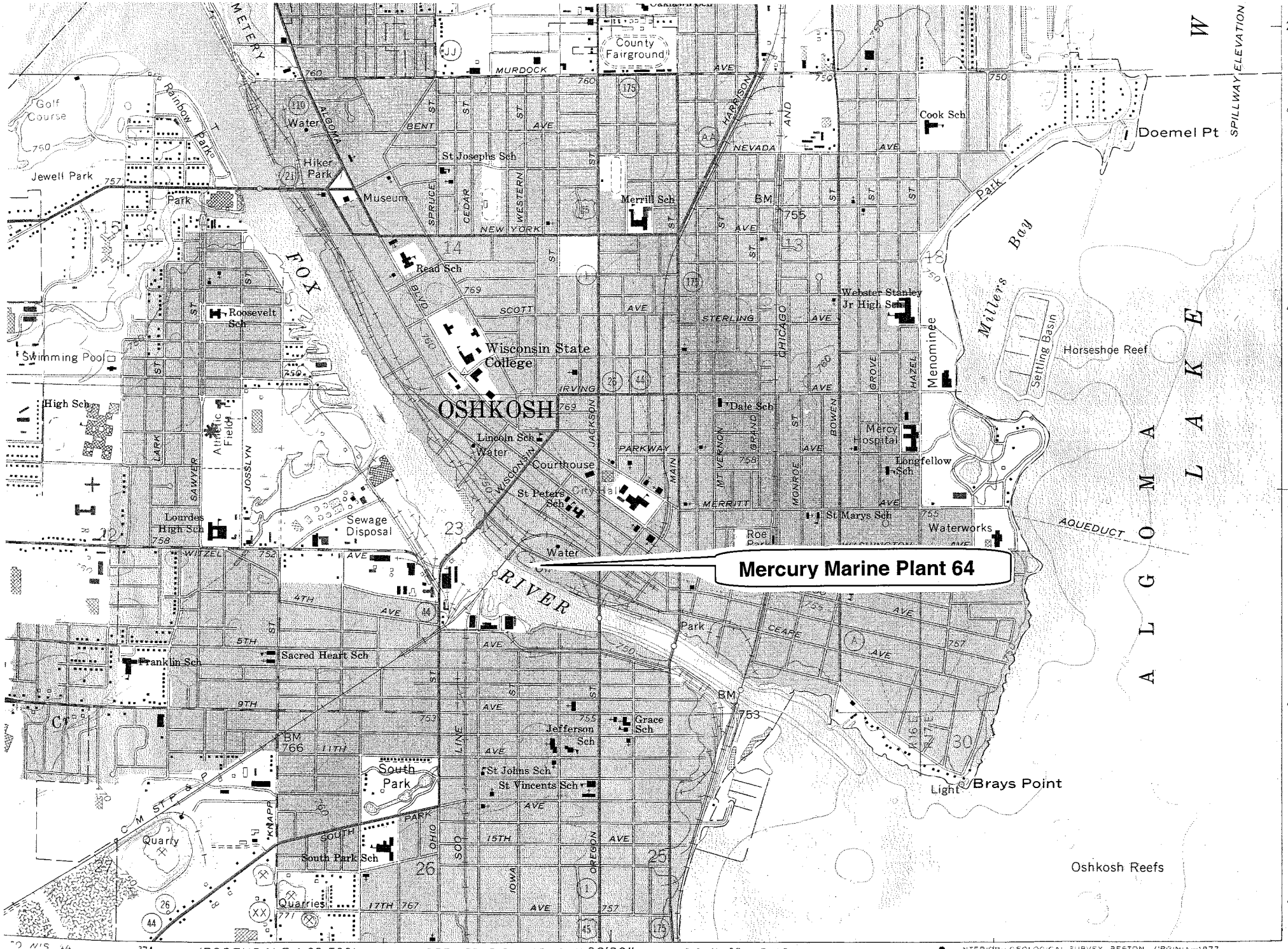
	U.S.G.S. DATUM
B.M. HYDRANT SOUTH SIDE MARION ROAD 270' EAST OF WISCONSIN AVENUE	ELEV. 754.97
B.M. NORTH SIDE MARION ROAD 230'± EAST OF SOO LINE RAILROAD	ELEV. 754.40
B.M. HYDRANT NORTH SIDE MARION ROAD 600'± EAST OF SOO LINE RAILROAD	ELEV. 753.32
B.M. HYDRANT N.W. CORNER OF MARION ROAD AND VACATED JAY STREET	ELEV. 751.98

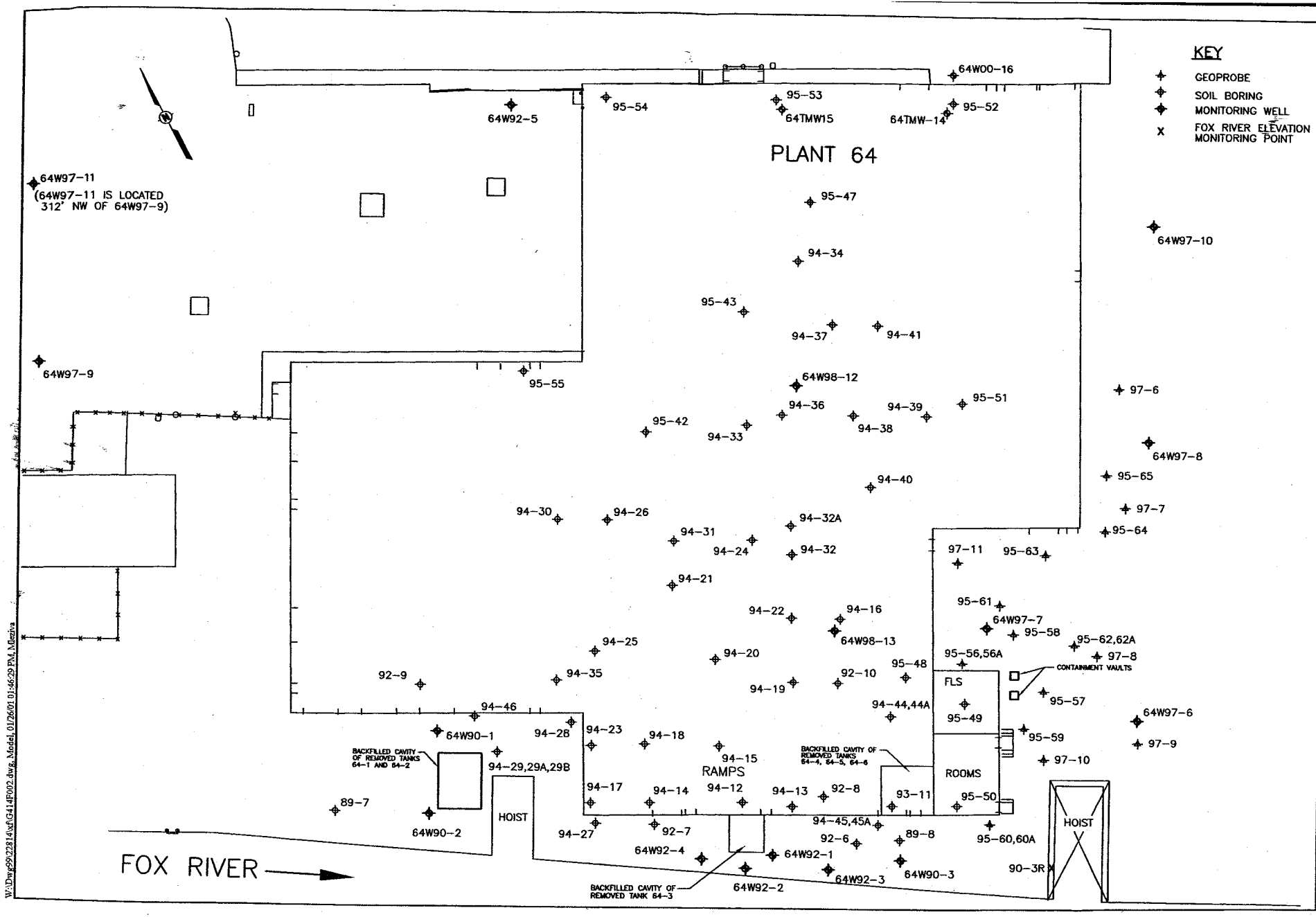
MERCURY MARINE A BRUNSWICK COMPANY

1939 PIONEER ROAD • FOND DU LAC WI 54935 U.S.A

REVISIONS			PLOT PLAN PLANT 5 & 64 FONDDULAC, WISCONSIN
NO	DATE	BY	
1			
2			
3			DRAWN BY K.H.S. / SCALE 1"=40' / MATERIAL
4			CHK'D J.E.A. / DATE May 12, 1986 / DRAWING NO
5			TRACED / APP'D J.E.A.

126-11-8637


Mercury Marine Plant 64
OSHKOSH
FOX RIVER
ALGOMA LAKE
Millers Bay
Doemel Pt
Brays Point
Oshkosh Reefs
Horseshoe Reef
Settling Basin
Waterworks
AQUEDUCT
SPILLWAY ELEVATION
County Fairground
Golf Course
Jewell Park
Rainbow Park
Hiker Park
Museum
Water
St Josephs Sch
Merrill Sch
Cook Sch
Read Sch
Roosevelt Sch
Swimming Pool
High Sch
Athletic Field
Wisconsin State College
Webster Stanley Jr High Sch
Menominee
Dale Sch
Mercy Hospital
Longfellow Sch
Lincoln Sch
Courthouse
City Hall
St Peters Sch
St Marys Sch
Roe Park
Lourdes High Sch
Sewage Disposal
Franklin Sch
Sacred Heart Sch
Grace Sch
Jefferson Sch
St Johns Sch
St Vincents Sch
South Park
South Park Sch
Quarry
Quarries
Park
BM 753
BM 755
BM 766
MURDOCK AVE
BENT AVE
NEVADA AVE
NEW YORK AVE
SCOTT AVE
STERLING AVE
IRVING AVE
PARKWAY
MERRITT AVE
WITZEL AVE
4TH AVE
5TH AVE
9TH AVE
11TH AVE
15TH AVE
17TH AVE
CEARE AVE
SOUTH PARK
(ROSENDALE 1:62 500)
SCALE 1:24 000
1 MILE
ROAD CLASSIFICATION
88° 30'
44°



DRAWN BY P.D.P.	DATE 3-3-98	
CHECKED BY R.J.M.	DATE 3-10-98	
APPROVED BY P.J.K.	DATE 10-11-00	
CADFILE X:\PROJECTS\DWG99\22814\XF\G414F002.DWG		

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN

SOIL BORING AND MONITORING WELL LOCATION DIAGRAM

STS Consultants Ltd.
Consulting Engineers

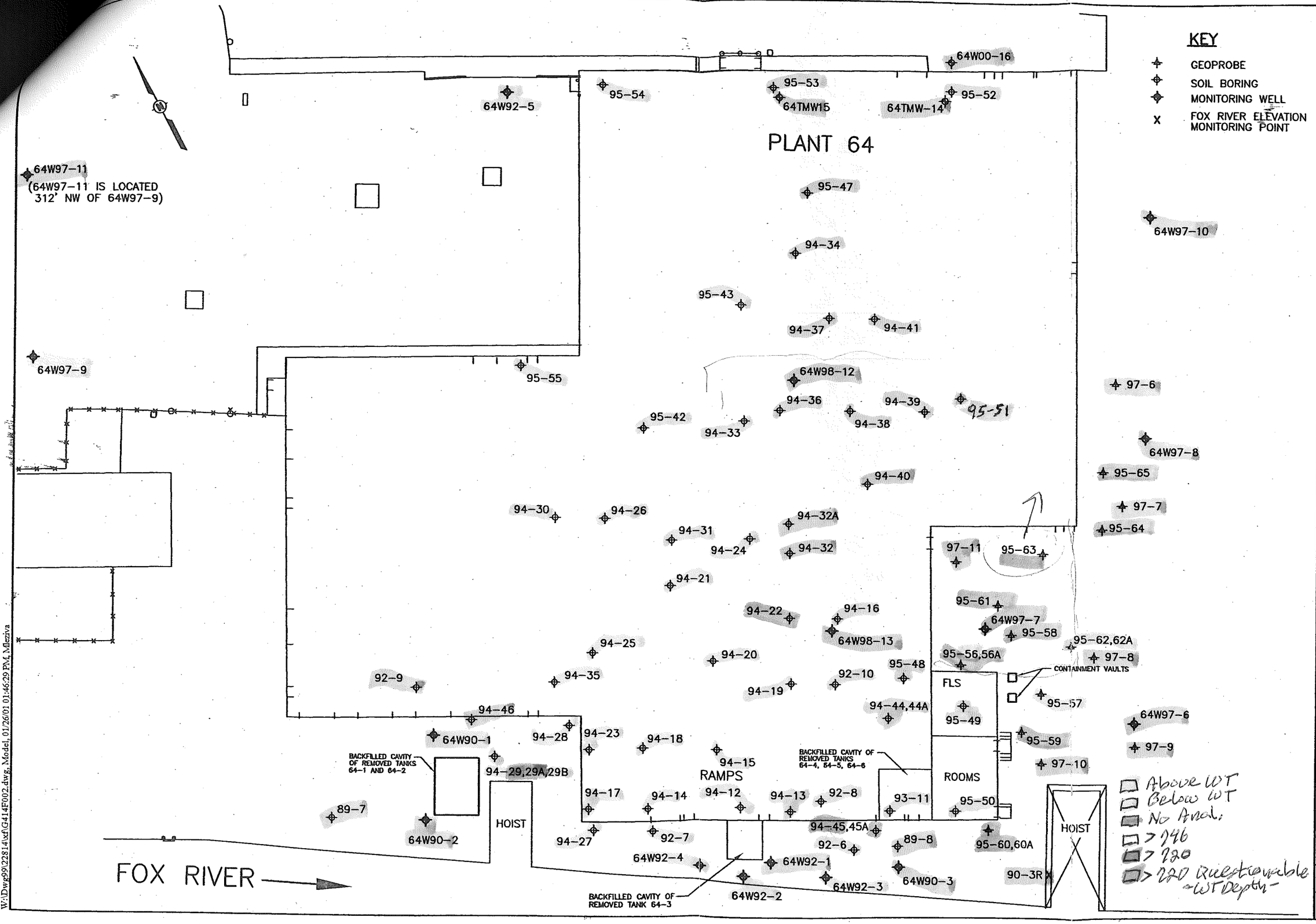
STS PROJECT NO. 22814XF

STS PROJECT FILE

SCALE 1"=30'

FIGURE NO. 2

W:\Dwg\22814\xf\G414F002.dwg, Model, 01/26/01 01:46:29 PM, Mezira



DRAWN BY P.D.P.	DATE 3-3-98	
CHECKED BY R.J.M.	DATE 3-10-98	
APPROVED BY P.J.K.	DATE 10-11-00	
CADFILE X:\PROJECTS\DWG99\22814\XF\G414F002.DWG		

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN

SOIL BORING/Soil Contamination

STS Consultants Ltd.
Consulting Engineers

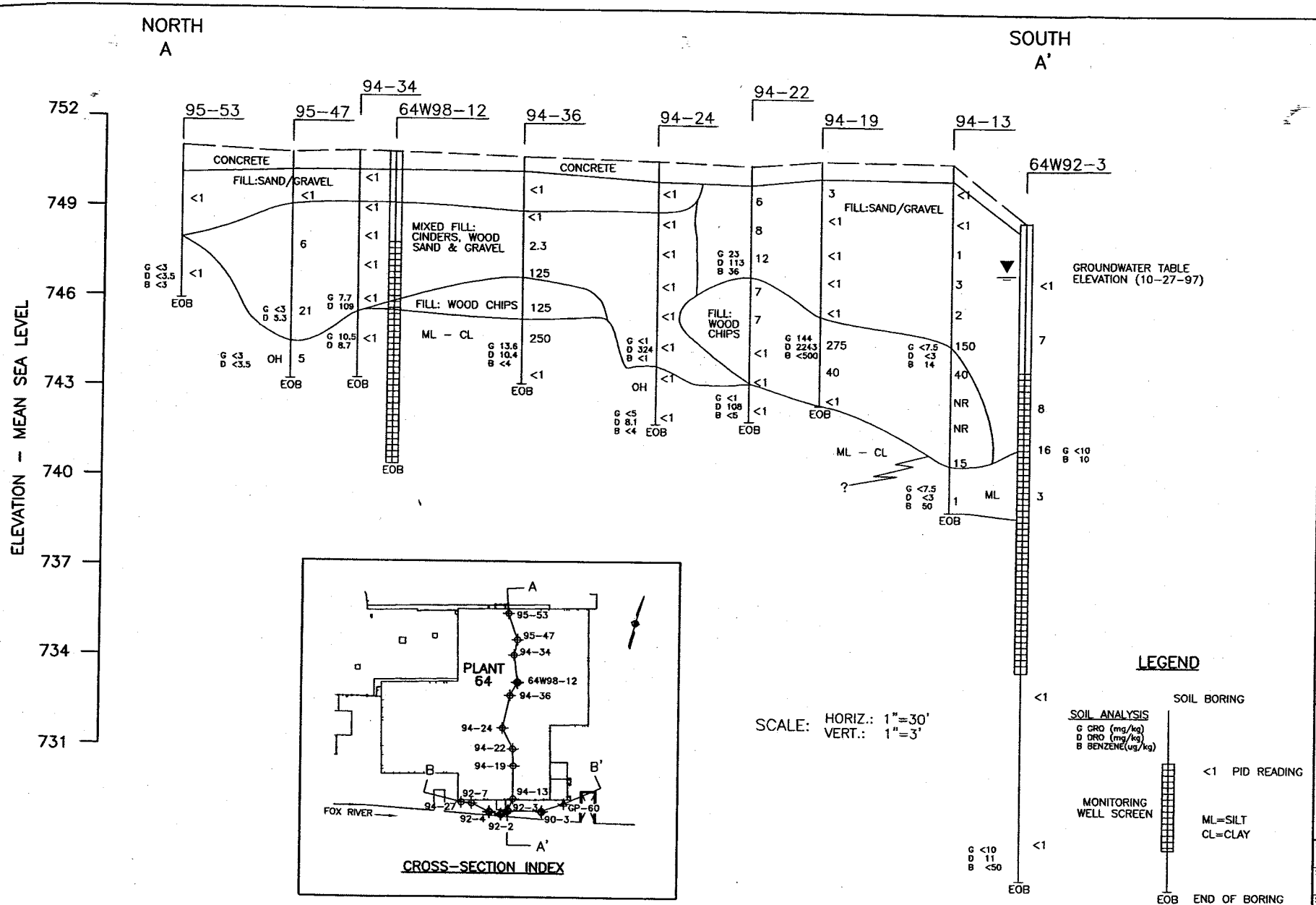
STS PROJECT NO. 22814XF

STS PROJECT FILE

SCALE 1"=30'

FIGURE NO. 7

W:\Dwg99\22814\xf\G414F002.dwg, Model, 01/26/01 01:46:29 PM, Mleziva



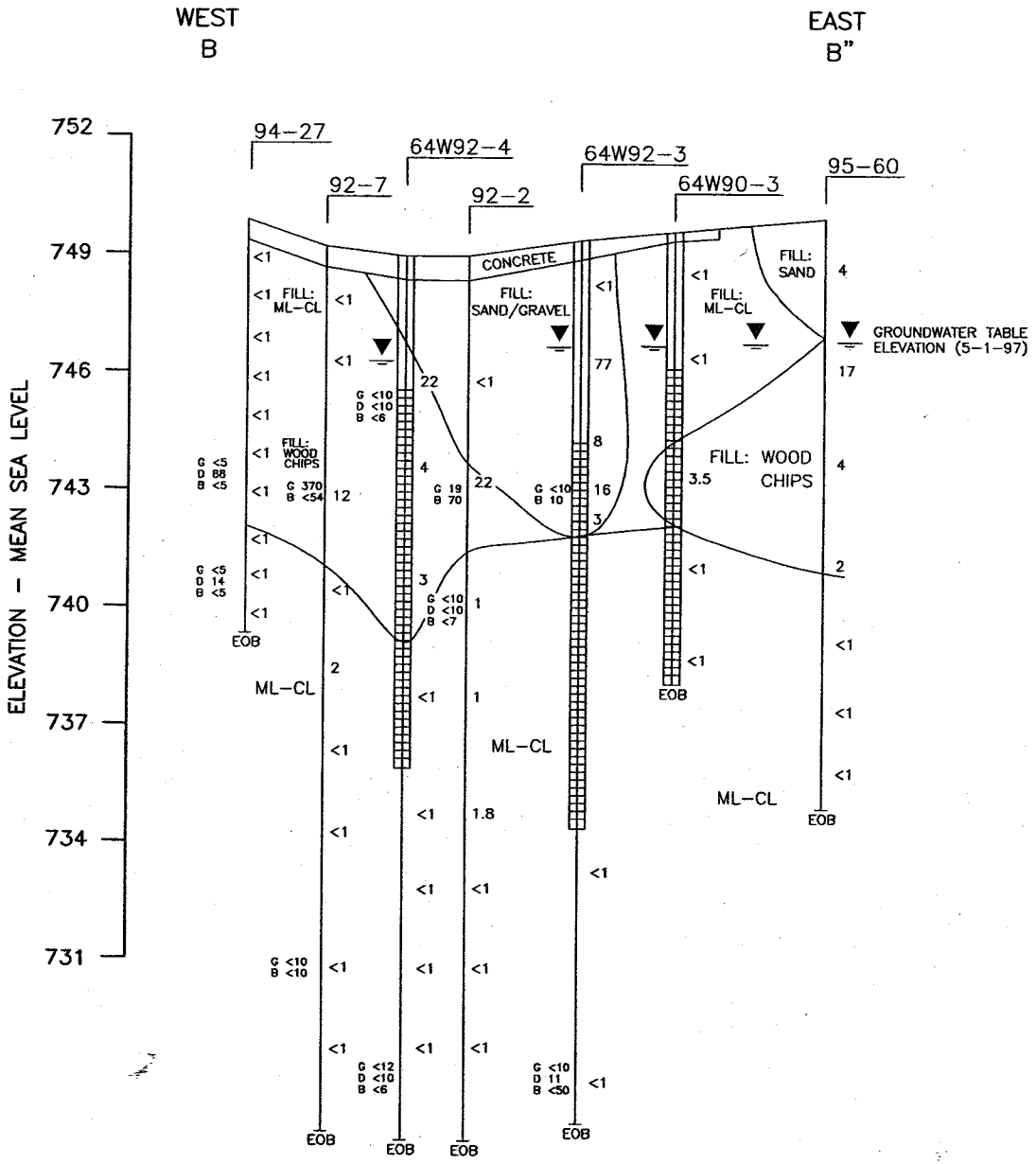
DRAWN BY P.D.P.	CHECKED BY R.J.M.	APPROVED BY P.R.B.
DATE 4-6-98	DATE 4-6-98	DATE 4-6-98

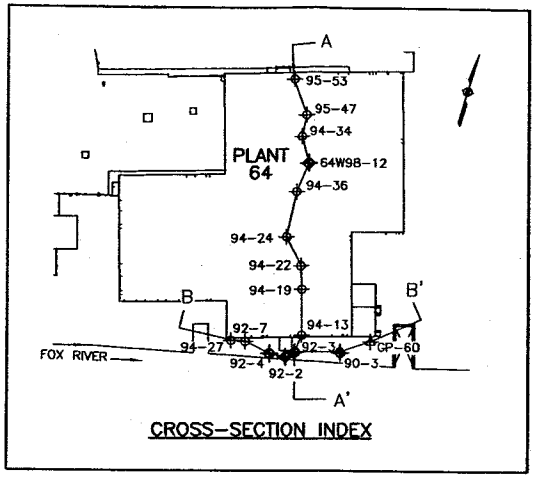
CADFILE G414F003.dwg 01/26/2001 13:

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN
CROSS-SECTION A-A'

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO. 22814XF
STS PROJECT FILE
SCALE AS SHOWN
FIGURE NO. 3





LEGEND

SOIL BORING

SOIL ANALYSIS
G GRO (mg/kg)
D DRO (mg/kg)
B BENZENE(ug/kg)

<1 PID READING

MONITORING WELL SCREEN

ML=SILT
CL=CLAY

EOB END OF BORING

SCALE: HORIZ.: 1"=30'
VERT.: 1"=3'

		DATE
DRAWN BY	P.D.P.	4-6-98
CHECKED BY	R.J.M.	4-6-98
APPROVED BY	P.R.B.	4-6-98
CADFILE	W:\Dwg99\22814\xf\G41\F004.dwg	

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN
CROSS-SECTION B-B'

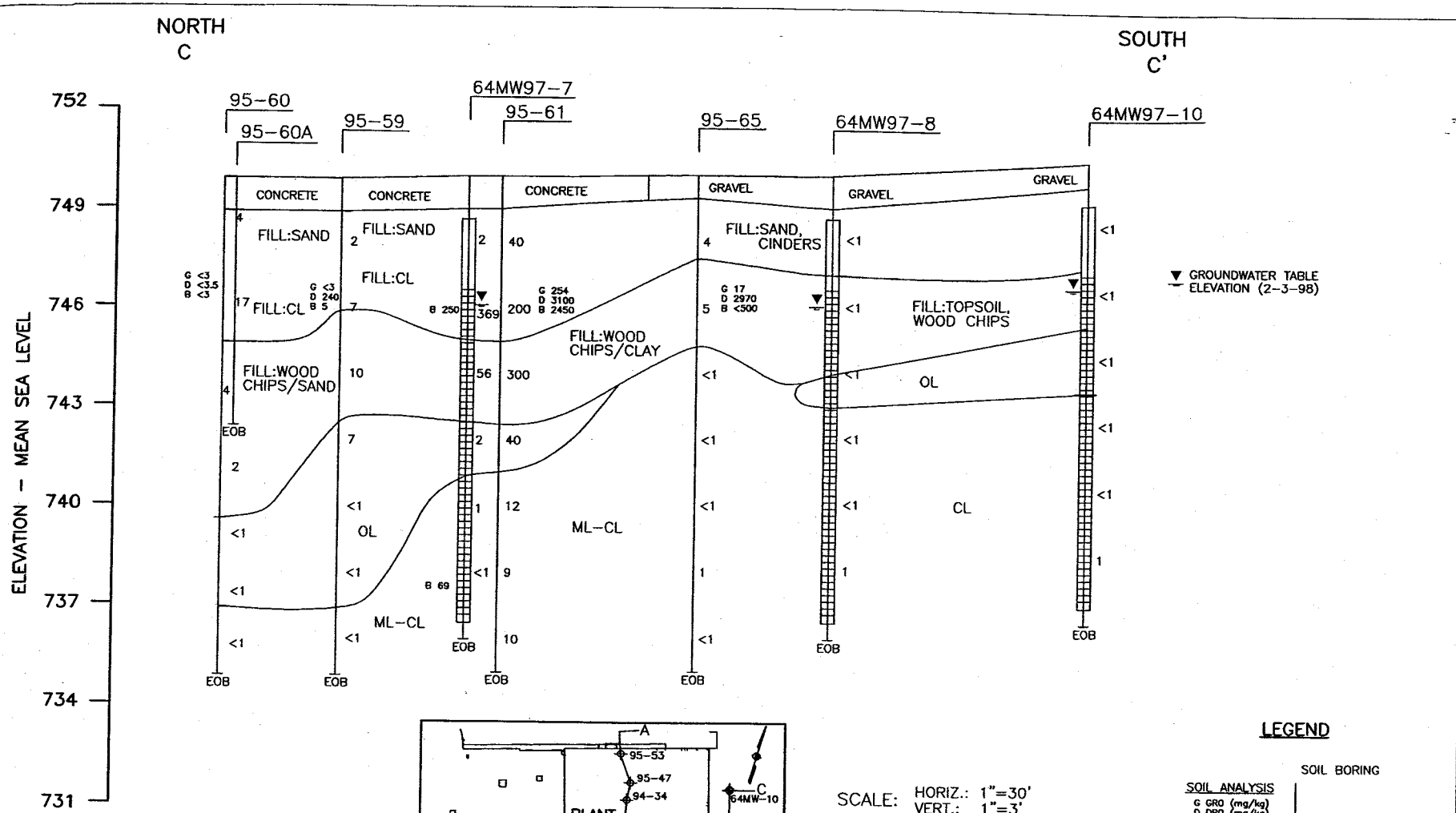
STS Consultants Ltd.
Consulting Engineers

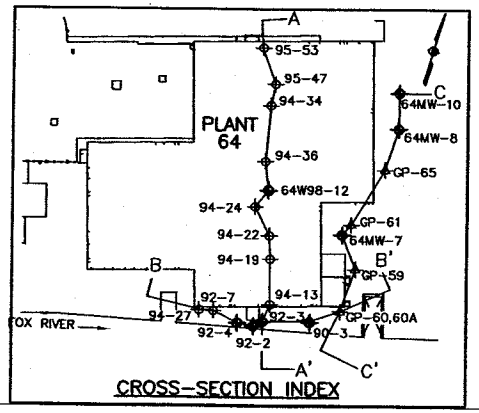
STS PROJECT NO. 22814XF

STS PROJECT FILE

SCALE AS SHOWN

FIGURE NO. 4





SCALE: HORIZ.: 1"=30'
VERT.: 1"=3'

LEGEND

SOIL BORING

SOIL ANALYSIS
G GRO (mg/kg)
D DRO (mg/kg)
B BENZENE(ug/kg)

<1 PID READING

MONITORING WELL SCREEN

ML=SILT
CL=CLAY
OL=ORGANIC SILT

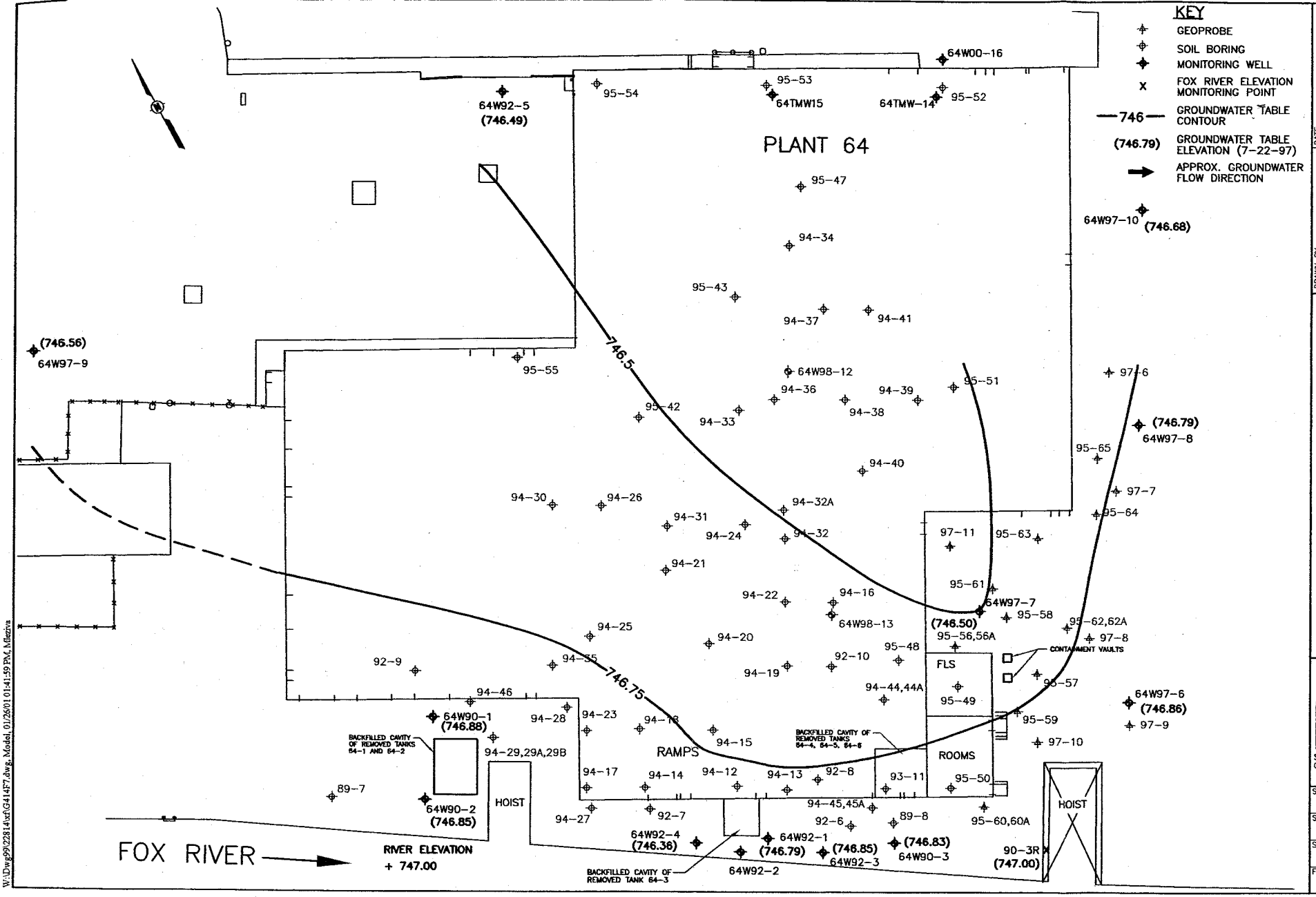
EOB END OF BORING

		DATE
DRAWN BY	P.D.P.	4-6-98
CHECKED BY	R.J.M.	4-6-98
APPROVED BY	P.R.B.	4-6-98
CADFILE	W:\Dwg99\22814\xf\G414F005.dwg	

CROSS-SECTION C-C'
MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO. 22814XF
STS PROJECT FILE
SCALE



DRAWN BY R.A.B.	DATE 4-30-99	
CHECKED BY P.L.E.	DATE 4-30-99	
APPROVED BY P.J.K.	DATE 10-11-00	
CADFILE W:\Dwg99\22814\xf\G4145F7.dwg		

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN

GROUNDWATER TABLE CONTOUR MAP (7-22-97)

STS Consultants Ltd.
Consulting Engineers

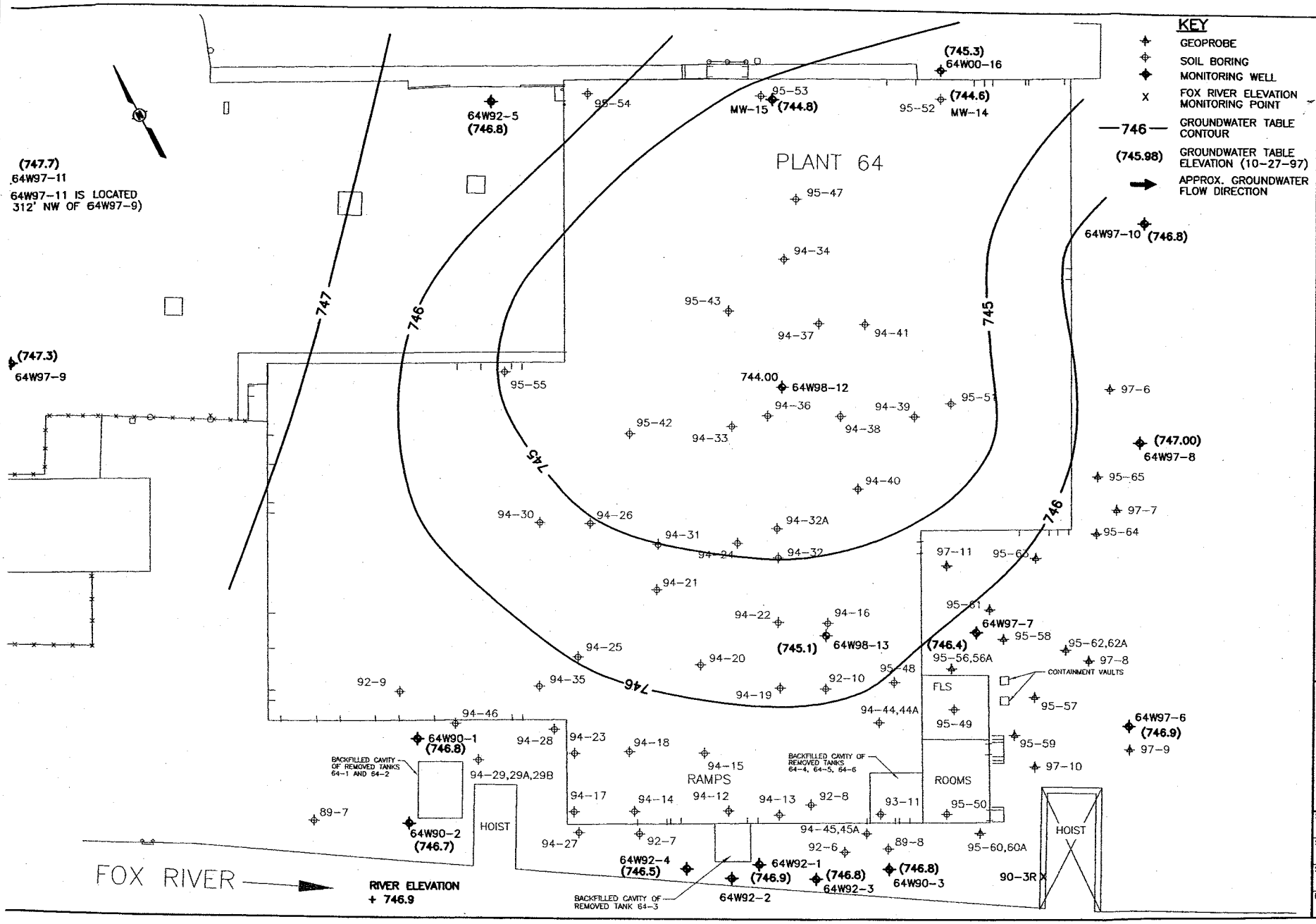
STS PROJECT NO. 22814XF

STS PROJECT FILE

SCALE 1"=30'

FIGURE NO. 7

W:\Dwg99\22814\xf\G4145F7.dwg, Model, 01/26/01 01:41:59 PM, Mieziva



DRAWN BY D.J.M.	DATE 1-26-01	
CHECKED BY P.J.K.	DATE 1-26-01	
APPROVED BY	DATE	
CADFILE W:\DWG99\22814\XF\G414F008.DWG		

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN

GROUNDWATER TABLE CONTOUR MAP (5-1-00)

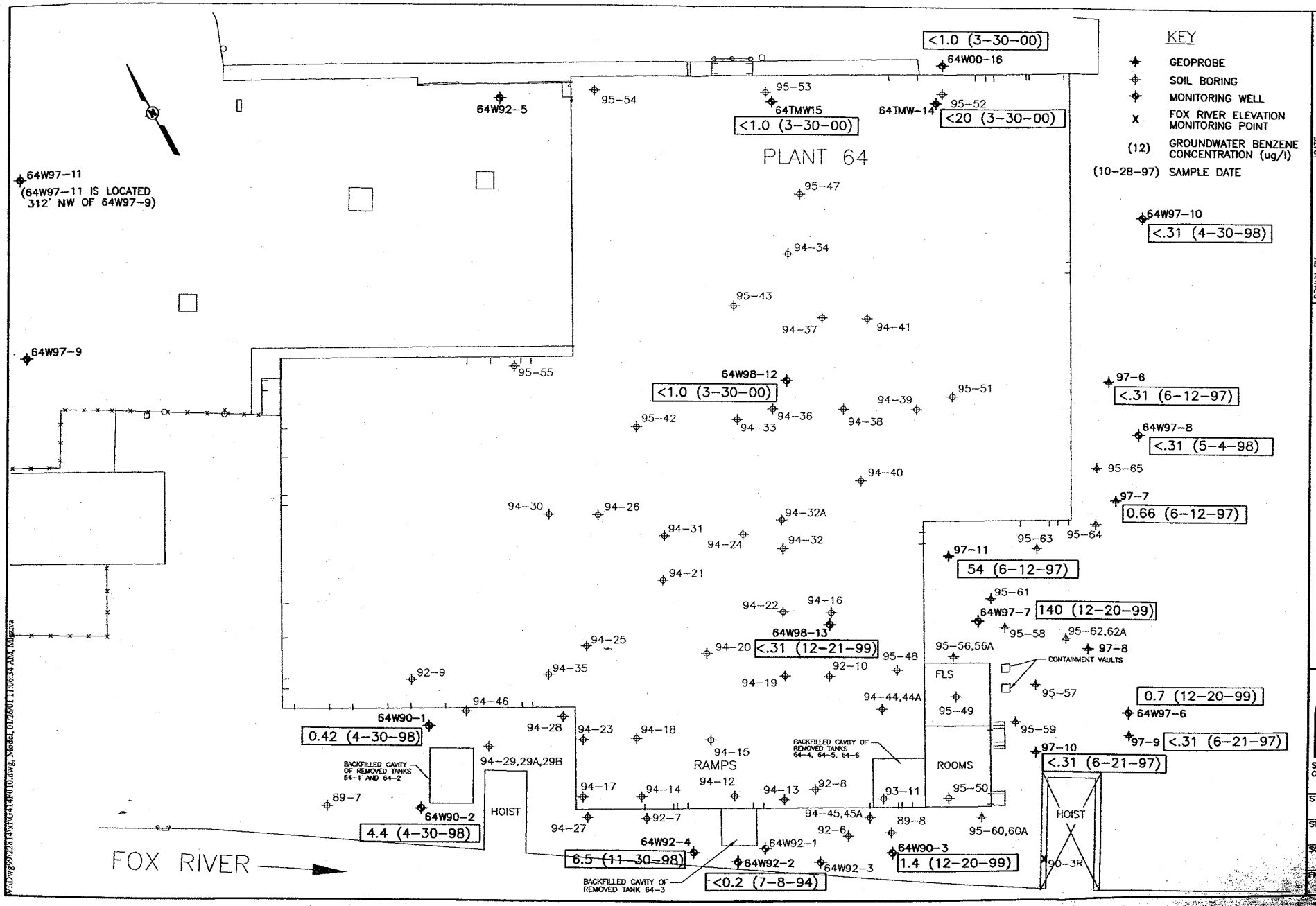
STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO. 22814XF

STS PROJECT FILE

SCALE 1"=30'

FIGURE NO. 8



DRAWN BY P.D.P.	DATE 4-6-98	
CHECKED BY R.J.M.	DATE 4-6-98	
APPROVED BY P.R.B.	DATE 10-11-00	
CADFILE W:\Dwg99\22814\xf\G414F010.dwg		

MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN
GROUNDWATER BENZENE CONCENTRATIONS

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO. 22814XF
STS PROJECT FILE
SCALE 1" = 30'
FIGURE NO. 10

W:\Dwg99\22814\xf\G414F010.dwg, Model, 01/26/01 11:06:34 AM, Mgzva

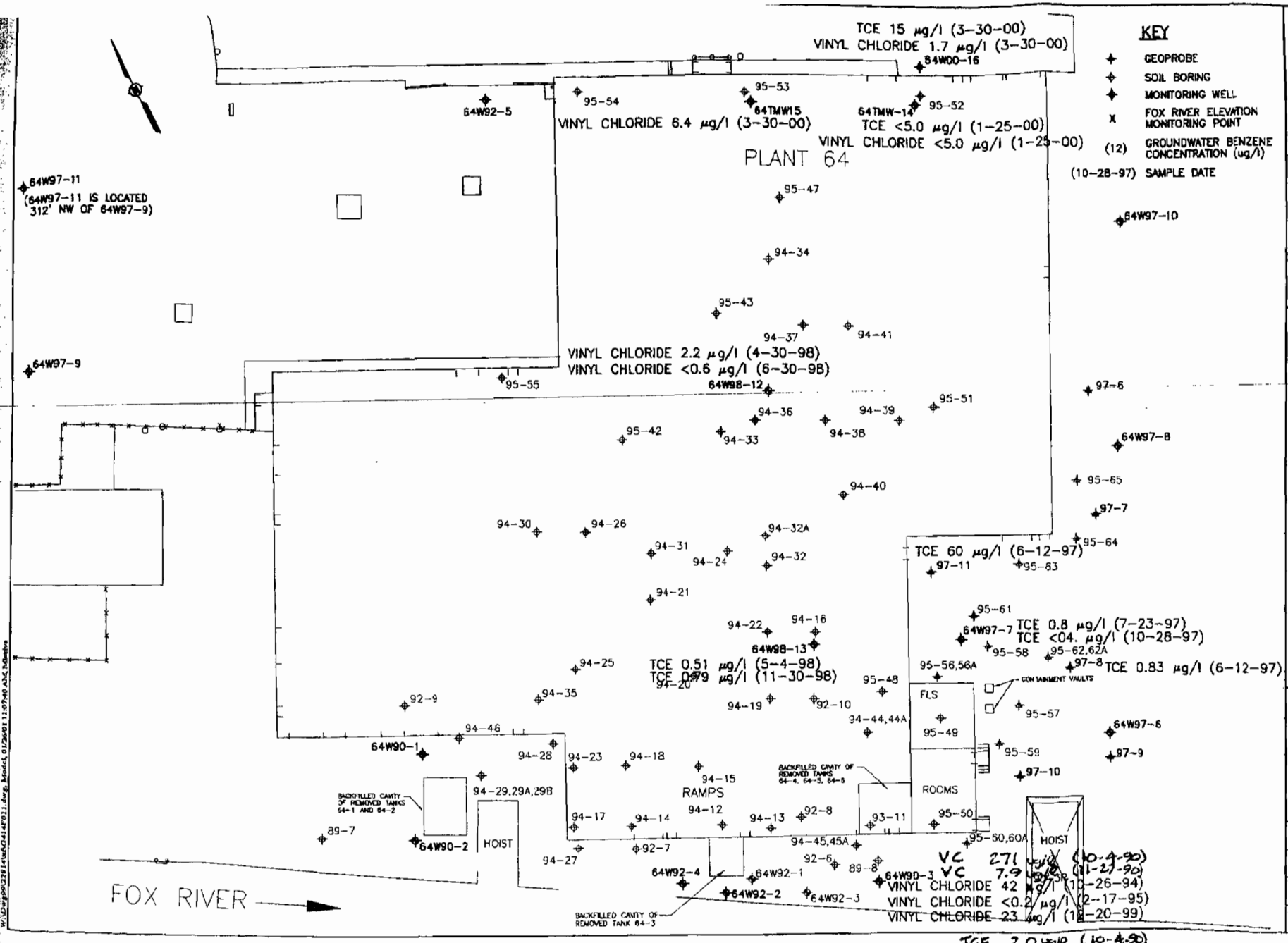

TCE 15 µg/l (3-30-00)
VINYL CHLORIDE 1.7 µg/l (3-30-00)
64W00-16
KEY
GEOPROBE
SOIL BORING
MONITORING WELL
FOX RIVER ELEVATION MONITORING POINT
(12) GROUNDWATER BENZENE CONCENTRATION (ug/l)
(10-28-97) SAMPLE DATE
95-54
95-53
64TMW15
64TMW-14
95-52
64W92-5
VINYL CHLORIDE 6.4 µg/l (3-30-00)
TCE <5.0 µg/l (1-25-00)
VINYL CHLORIDE <5.0 µg/l (1-25-00)
PLANT 64
64W97-11
(64W97-11 IS LOCATED 312' NW OF 64W97-9)
95-47
64W97-10
94-34
95-43
94-37
94-41
64W97-9
VINYL CHLORIDE 2.2 µg/l (4-30-98)
VINYL CHLORIDE <0.6 µg/l (6-30-98)
95-55
64W98-12
97-6
94-36
94-39
95-51
95-42
94-33
94-38
64W97-8
95-65
94-40
97-7
94-30
94-26
94-32A
95-64
94-31
94-24
94-32
TCE 60 µg/l (6-12-97)
97-11
95-63
94-21
95-61
94-22
94-16
64W97-7
TCE 0.8 µg/l (7-23-97)
TCE <04. µg/l (10-28-97)
64W98-13
95-58
95-62,62A
94-25
TCE 0.51 µg/l (5-4-98)
TCE 0.79 µg/l (11-30-98)
95-56,56A
97-8
TCE 0.83 µg/l (6-12-97)
CONTAINMENT VAULTS
95-48
92-9
94-35
94-20
94-19
92-10
FLS
95-57
94-44,44A
95-49
64W97-6
94-46
64W90-1
94-28
94-23
94-18
95-59
97-9
94-15
BACKFILLED CAVITY OF REMOVED TANKS 64-4, 64-5, 64-6
97-10
BACKFILLED CAVITY OF REMOVED TANKS 64-1 AND 64-2
94-29,29A,29B
RAMPS
ROOMS
94-17
94-14
94-12
94-13
92-8
93-11
95-50
89-7
64W90-2
HOIST
94-27
92-7
94-45,45A
95-60,60A
HOIST
92-6
89-8
VC 271 ug/l (10-4-90)
VC 7.9 ug/l (11-27-90)
64W92-4
64W92-1
64W90-3
64W92-2
64W92-3
VINYL CHLORIDE 42 µg/l (10-26-94)
VINYL CHLORIDE <0.2 µg/l (2-17-95)
VINYL CHLORIDE 23 µg/l (10-20-99)
BACKFILLED CAVITY OF REMOVED TANK 64-3
FOX RIVER
TCE 2.0 ug/l (10-4-90)
TCE 1.0 ug/l (11-27-90)
TCE 0.5 ug/l (4-25-91)
DATE 9-18-00
DATE 9-18-00
DATE 10-11-00
DRAWN BY P.D.P.
CHECKED BY P.L.E.
APPROVED BY P.J.K.
CADFILE W:\Dwg99\22814\xf
MERCURY MARINE PLANT #64
OSHKOSH, WISCONSIN
GROUNDWATER CHLORINATED VOC CONCENTRATIONS
STS Consultants Ltd.
Consulting Engineers
STS PROJECT NO. 22814XF
STS PROJECT FILE
SCALE 1"=30'
FIGURE NO. 11

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
X 94-22 (2/1/94)	1	0.5-1.5	6	Fill: gravel,bricks	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	1.5-2.5	8	Fill: gravel,bricks	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	2.5-3.5	12	Fill: gravel,bricks	Dry	23	113	36	<5	56	29.4	<5	<5	1150	4800	<20	<20	<20	<20	<20	<20	<20	Badger
	4	3.5-4.5	7	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	4.5-5.5	7	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	5.5-6.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	6.5-7.5	<1	Clay (CL-ML)	Wet-Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	8	7.5-8.5	<1	Clay (CL-ML)	Wet-Moist	<5	108	<5	<5	<5	<10	<5	<5	X	X	X	X	X	X	X	X	X	Badger
94-23 (2/1/94)	1	0.5-1.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	1.5-2.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	3.5-4	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3A	4-4.5	<1	Fill: Clay (CL-ML)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	4.5-5.5	<1	Fill: wood chips	Wet	<5	166	<5	<5	<5	<10	<5	<5	X	X	X	X	X	X	X	X	X	Badger
	5	5.5-6.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	6.5-7.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	7.5-8.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	8	8.5-9.5	<1	Clay (CL-ML)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	9	9.5-10.5	<1	Clay (CL-ML)	Moist	<5	80	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Badger
94-24 (2/1/94)	1	0.5-1.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	1.5-2.5	<1	Fill: clay, topsoil, wood, bricks	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	2.5-3.5	<1	Fill: clay, topsoil, wood, bricks	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	3.5-4.5	<1	Fill: clay, topsoil, wood, bricks	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	4.5-5.5	<1	Fill: clay, topsoil, wood, bricks	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	5.5-6.5	<1	Fill: clay, topsoil, wood, bricks	Wet	<5	324	<4	<4	<6	<8	<4	<4	<20	115**	<20	<20	356	<20	<20	<20	<20	Badger
	7	6.5-7.5	<1	Organic silt (OH)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	8	7.5-8.5	<1	Clay (CL-ML)	Moist	<5	8.1	<4	<4	<6	<8	<4	<4	X	X	X	X	X	X	X	X	X	Badger
94-25 (3/8/94)	1	0.5-1.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	1.5-2.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	2.5-3.5	<1	Fill: sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	3.5-4.5	<1	Fill: sand	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	4.5-5.5	<1	Fill: sand	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	5.5-6.5	28	Fill: wood chips	Wet	<5	459	<4	<4	<6	<8	<4	<4	<20	<28	<20	138	99	<20	<20	<20	<20	Badger
	7	6.5-7.5	<1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	8	7.5-8.5	6	Organic silt (OH)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	9	8.5-9	<1	Organic silt (OH)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	9A	9-10	<1	Clay (CL-ML)	Moist	<5	4.9	<4	<4	<6	<8	<4	<4	X	X	X	X	X	X	X	X	X	Badger

Above WT
Below WT
> 746
> 720
> 720 Questionable - WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
X 95-42 (2/7/95)	1	0.5-1.5	<1	Fill: sand,wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	1.5-3.5	6	Fill: sand, foundry slag	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MTVL
	3	3.5-5.5	<1	Fill: sand, clay, wood chips	Moist	<3.0	10.4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	4	5.5-7.5	<1	Clay (CL-ML)	Moist	<3.0	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
X 95-43 (2/7/95)	1	2.0-4.0	<1	Fill: silt, clay, sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	4.0-6.0	<1	Topsoil	Moist	<3.0	5.9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
	3	6.0-8.0	<1	Clay (CL-ML)	Moist	<3.0	3.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
94-44 (6/14/94)	1	0.5-2.5	<1	Fill:sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	<1	Fill:clay, debris	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.5-6.5	<1	Fill:wood chips	Wet	13	292	75	<4	85**	75	21	<4	X	X	X	X	X	X	X	X	X	Badger
	4	6.5-8.5	<1	Clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
94-44A (7/15/94)	1	0.5-2.5	<1	Fill:sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	<1	Fill:clay, debris	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.5-6.5	<1	Fill:wood chips	Wet	51	44	5.2	<4	<10	<8	<4	<4	X	X	X	X	X	X	X	X	X	Badger
	4	6.5-8.5	<1	Clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 94-45 (6/14/94)	1	0.5-2.5	NR	Fill:sand	Dry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	600	Fill:wood chips	Wet	876	2172	112	5489	232**	<8	8230	<4	<20	2786**	83	5239	7152	2080	2245	<20	3077	Badger
	3	4.5-6.5	200	Fill:wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	6.5-8.5	65	Clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 94-45A (7/5/94)	1	0.5-2.5	3	Fill:sand	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	400	Fill:sand, wood chips	Wet	86	58	<4	213	147	<8	1924	66	<20	152**	<20	2230	<20	<20	<20	<20	<20	Badger
	3	4.5-6.5	170	Fill:wood chips	NR	12	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Badger
	4	6.5-8.5	30	Fill:sand, clay	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	8.5-10.5	<1	Clay(CL)	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	10.5-12.5	<1	Clay(CL)	NR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
94-46 (7/5/94)	1	0.5-2.5	<1	Fill : sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	1.6	Fill : sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.5-6.5	<1	Fill: Wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	6.5-8.5	<1	Clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	8.5-9.5	<1	Clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

☐ Above WT
☐ Below WT
☐ >196
☐ >220
☐ >220 Questionable - WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

	Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
X	95-52 (2/8/95)	1	1.0-3.0	<1	Fill: sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	3.0-5.0	<1	Fill: sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	5.0-7.0	<1	Fill: sand, clay, steel fragments	Moist	<3.0	10.6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
		4	7.0-8.5	<1	Clay (ML-CL)	Moist	<3.0	3.9	<3.0	<2.4	<2.7	<8.1	<2.2	<2.6	X	X	X	X	X	X	X	X	X	MVTL
X	95-53 (2/8/95)		0.0-1.0		Concrete																			
		1	1.0-3.0	<1	Fill: sand (wood chips 2.9'-3.1')	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	3.0-5.0	<1	Clay (ML-CL)	Moist	<3.0	<3.5	<3.0	<2.7	<2.4	<8.1	<2.2	<2.6	X	X	X	X	X	X	X	X	X	MVTL
X	95-54 (2/8/95)		0.0-0.5		Concrete																			
		1	0.5-2.5	<1	Fill: sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	2.5-4.5	<1	Fill: topsoil,clay,wood chips	Moist	<3.0	<3.5	<3.0	<2.4	<2.7	<8.1	<2.2	<2.6	X	X	X	X	X	X	X	X	X	MVTL
		3	4.5-6.5	<1	Fill: topsoil,clay,wood chips, (6'-6.5 clay)	Moist	<3.0	4.9	<3.0	<2.4	<2.7	<8.1	<2.2	<2.6	X	X	X	X	X	X	X	X	X	MVTL
X	95-55 (2/8/95)		0.0-0.5		Concrete																			
		1	0.5-2.5	<1	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	2.5-4.5	<1	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	4.5-6.5	<1	Fill: sand, gravel	Moist-wet	<3.0	6.8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
		4	6.5-8.5	<1	Fill: sand, gravel	Moist-wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	8.5-10.5	<1	Fill: sand, gravel, (9.3'-9.5' topsoil, 9.5'-10.5' clay (CL)	Moist-wet	<3.0	5.1	<3.0	<2.4	<2.7	<8.1	<2.2	X	X	X	X	X	X	X	X	X	X	MVTL
—	95-56 (6/26/95)		0.0-1.0		Concrete																			X
		1	1.0-3.0	70	Fill: coarse to fine sand	Moist	4	<3.5	<5.0	<5.0	11.7	<15	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10	X	X	<5.0	MVTL
		2	3.0-5.0	16	Fill: silty clay at 3' to 4'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	5.0-7.0	7	Fill: wood peices at 4' to 6'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		4	7.0-9.0	6	Peat (PT) at 6' to 7'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		5	9.0-11.0	3	Clay (OL) at 7' to 10'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		6	11.0-13.0	20	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		7	13.0-15.0	<1.0	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
—	95-56A (8/17/95)		0.0-1.0	<1	Concrete																			
		1	1.0-3.0	<1	Fill: sand, gravel	Moist	X	79.4	<5.0	<5.0	<5.0	<15.0	<5.0	<5.0	<5.0	24.3	<10	<10	<10	<10	X	X	<5.0	MVTL
		2	3.0-5.0	<1	Fill: sand, wood chips	Moist	X	3300	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	MVTL
					silty clay at 4.5'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

☐ Above WT
☐ Below WT
☐ >796
☐ >920
☐ >920 Questionable - WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
X 95-57 (6/26/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	1	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	2	Fill: silty clay at 3' to 4'	Moist	3.3	21.3	<5	<5	5.8	<15	<5	<5	<5	<5	<10	<10	<10	<10	X	X	<5	MVTL
	3	5.0-7.0	2	Fill: wood peices at 4' to 7'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	2	Clay (OL) at 7' to 12'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	1	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-58 (6/26/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	25	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	195	Fill: wood pieces	Wet	1111	2340	<5	<5	750	<15	435	6640	<5	<5	<10	1870	<10	<10	X	X	4980	MVTL
	3	5.0-7.0	165	Fill: wood pieces	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0		Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	4	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	20	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-59 (6/26/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	2	Fill: fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	7	Fill: clay	Wet	<3	240	5	<5	12.8	5	<5	<5	40.1	10.7	<10	75.2	<10	<10	X	X	<5	MVTL
	3	5.0-7.0	10	Fill: wood pieces	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	7	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	<1	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-60 (6/26/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	4	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	17	Fill: wood pieces	Moist	3.6	660	<5	<5	5.7	<15	<5	<5	<5	<5	<10	<10	<10	<10	X	X	<5	MVTL
	3	5.0-7.0	4	Fill: wood pieces	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	2	Fill: wood pieces	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	<1	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Above WT
Below WT
>246
>120
>120 Questionable-WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
X 95-60A (8/17/95)		0.0-1.0		Concrete																			
	1	3.0-5.0		Fill: silty clay	Moist	X	X	<25	<25	<25	<15	<25	<25	57.8	<5	<10	<10	<10	<10	X	X	<5	MVTL
	2	5.0-7.5		Fill: wood pieces 5' to 6' silty sand 6'-7.5'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-61 (8/17/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	40	Fill: Fine to coarse sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	200	Fill: Clayey topsoil	Moist	253.9	3100	2450	<5	<5	450	6700	2250	<5	<5	<10	470	500	465	<5	<5	<5	MVTL
	3	5.0-7.0	300	Fill: Wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	40	Clay (OL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	12	Clay (ML-CL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	9	Clay (ML-CL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	10	Clay (ML-CL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-62 (6/26/95)		0.0-1.0		Concrete																			
	1	1.0-3.0	<1	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	5	Fill: wood pieces to 6'	Moist	<3.0	19.2	<5	<5	21.9	<15	<5	<5	139	<5	<10	<10	<10	<10	X	X	<10	MVTL
	3	5.0-7.0	<1	Peat (PT) at 6' to 7.5'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	13.0-15.0	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X 95-62A (8/17/95)		0.0-1.0		Concrete																			
	1	1.0-3.0		Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0		Fill: wood pieces	Moist	X	X	<1000	<1000	<1000	<3000	1860	<1000	<1000	<1000	<2000	<2000	<1000	<1000	X	X	<1000	MVTL
— 95-63 (8/17/95)		0.0-0.5		Concrete	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1	0.5-2.5	300	Fill: fine sand with wood chips	Wet	4149	4760/3100(5)	11300	40200	<5000	51700	63300	78600	<5000	<5000	15300	<10000	24500	19100	X	X	10400	MVTL
X 95-64 (8/17/95)		0.0-0.5		Clear stone																			
	1	0.5-2.5	220	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	43	Fill: cinders & wood pieces	Moist	11.2	1150	<500	<500	<500	<1500	<500	<500	<500	<500	<1000	<500	<500	<1000	X	X	<500	MVTL
	3	4.5-6.5	15	Fill: cinders & wood pieces	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	6.5-8.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	8.5-10.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	10.5-12.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	12.5-14.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

☐ Above WT
☐ Below WT
☐ > 296
☐ > 720
☐ > 720 Questionable - WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethene (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
		0.0-0.5		Clear stone																			
X 95-65 (8/17/95)	1	0.5-2.5	4	Fill: coarse to fine sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.5-4.5	5	Fill: sand & wood pieces	Moist	17.1	2970	<500	<500	<500	<1500	<500	<500	<500	<500	<1000	<500	<500	<1000	X	X	<500	MVTL
	3	4.5-6.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	6.5-8.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	8.5-10.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	10.5-12.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7	12.5-14.5	<1	Clay (ML-CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
97-6 (6/12/97)	1	0.0-2.0	<1	Fill: sand, gravel to 3'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	<1	Fill: wood chips to 4.5'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	<1	Peat to 5.5' then silty clay	Moist-wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
97-7 (6/12/97)	1	0.0-2.0		Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	<1	Fill: sand, gravel to 5'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	<1	Fill: wood chips to 7'	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	6.0-8.0	<1	Organic clay (OL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
97-8 (6/12/97)	1	0.0-2.0	<1	Fill: sand, gravel to 3'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	<1	Fill: wood chips to 4.5'	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	<1	Topsoil to 5.5' then silty clay (OL)	Moist-wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
97-9 (6/12/97)	1	0.0-2.0	<1	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	<1	Fill: wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	<1	Fill: wood chips	Moist-wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		0.0-1.0		Concrete																			
97-10 (6/12/97)	1	1.0-2.0	<1	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	<1	Fill: sandy clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	<1	Fill: wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		0.0-1.0		Concrete																			
97-11 (6/12/97)	1	1.0-2.0	11	Fill: sand, gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	2.0-4.0	15	Fill: wood chips & sandy clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	4.0-6.0	117	Fill: wood chips & sandy clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

☐ Above WT
☐ Below WT
☐ > 746
☐ > 720
☐ > 720 Questionable -WT Depth

Table 1
Soil Field Observations and Laboratory Analytical Results
Mercury Marine Plant 64
Oshkosh, Wisconsin

Boring Number and Date	Sample Number	Depth (Feet)	PID (Units)	Soil Description	Soil Moisture	GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	1,2,4 Trimethylbenzene (ug/kg)	1,3,5 Trimethylbenzene (ug/kg)	cis-1,2 Dichloroethane (ug/kg)	Methylene Chloride (ug/kg)	Naphthalene (ug/kg)	p-Isopropyltoluene (ug/kg)	n-Propylbenzene (ug/kg)	n-Butylbenzene (ug/kg)	s-Butylbenzene (ug/kg)	t-Butylbenzene (ug/kg)	Isopropylbenzene (ug/kg)	Laboratory
64W97-6		0.0-1.0		Topsoil	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
(6/12/97)	1	1.0-3.0	1	Fill: some concrete, bricks	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	6	Fill: topsoil and wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	5.0-7.0	1	Fill: sand	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	1	Fill: silty clay	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	1	Fill: wood chips	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Silty clay (CL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
64W97-7		0.0-1.0		Concrete																			
X (6/12/97)	1	1.0-3.0	3	Fill: sand and gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	369	Fill: topsoil and wood chips	Moist	X	X	250	<68	<700	<1000	460	2800	<74	<300	<260	<79	<43	560	1600	590	2000	MVTL
	3	5.0-7.0	556	Fill: topsoil and wood chips	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	2	Fill: silty clay (OH)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	1	Silty clay (CL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Silty clay (CL)	Wet	X	X	69	<15	<15	<51	<23	<13	<16	<66	<43	<17	<9.5	<21	X	X	<15	MVTL
64W97-8		0.0-1.0	<1	Gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
(6/12/97)	1	1.0-3.0	<1	Fill: sand and gravel	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2	3.0-5.0	<1	Fill: silty clay	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	5.0-7.0	<1	Organic Silty clay (OL)	Wet	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
64W97-9		0.0-0.5		Asphalt																			
— (6/12/97)	1	0.5-3.0	14	Fill: sand and gravel	Moist	X	X	<15	<14	<14	168	570	710	<15	<62	<40	<16	<8.8	1900	530	45	100	MVTL
	2	3.0-5.0	<1	Organic silty clay (OL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3	5.0-7.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	4	7.0-9.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	5	9.0-11.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	6	11.0-13.0	<1	Silty clay (CL)	Moist	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

☐ Above WT
☐ Below WT
☐ > 746
☐ > 720
☐ > 720 Questionable - WT Depth

Notes For Table 1

1. NR = Not Reported
2. mg/kg = milligrams per kilogram dry wieght
3. ug/kg = micrograms per kilogram dry wieght
4. pet = petroleum odor
5. s. pet = slight petroleum odor
6. X = Not analyzed
7. < = Not detected above indicated method detection limt
8. GRO - Gasoline Range Organics (WI modified method)
9. DRO - Diesel Range Orgaincs (WI modified method)
10. RCL - Residual Contaminant Level per NR720
11. NE = No RCLs established under NR 720
12. ** Analyte found in lab blank as well as a sample indicating lab contamination
13. # - Lab exceeded allowable holding time.
14. (1) GRO peaks present outside chromatographic window.
15. (3) VOCs extracted from GRO methanol extract
16. (4) DRO peaks present outside chromatographic window.
17. (5) DRO analyzed by silica extract.
18. (6) PVOCs were analyzed with GRO from the methanol extract

Detections (ug/kg) not reported on Table 1

Compound		HA 94-22	W92-4	HA94-44A	HA94-45	HA95-49	HA95-50	92-10	GP95-56	GP95-56A	GP95-58	GP95-60	GP95-60A	GP95-62	GP95-62A	64W-7
		S-3	S-2	S-2	S-2	S-3	S-4	S-3	S-1	S-1	S-2	S-2	S-2	S-2	S-2	S-2
1,1,1 - Trichloroethane		18							106	71.2						
1,1,2 - Trichloroethane		46														
Chloroform		82						31								
Tetrachloroethene		123														
Trichloroethene		10000		1620	237	20.5	90									
Bromobenzene		1200	1200		4120											
4-Chlorotoluene			790													
2,2-Dichloropropane				132	499											
T-1,2-Dichloroethene					37											
Hexachlorobutadine					195											
1,2,3-Trichlorobenzene					208											
Chloromethane											420					
trans-1,2-Dichloroethene														16.8		
Vinyl Chloride														10900	4540	

☐ Above WT
☐ Below WT
☐ > 796
☐ > 220

Table 3a
Mercury Marine Plant 64 (Removed Tanks 64-1 and 64-2)
Groundwater Monitoring Results
STS Project No. 22814XF

64W90-1

Date Sampled / Parameter (µg/l)	10/5/90	4/26/91	9/17/91	1/22/92	4/15/92	7/7/92	10/22/92	2/17/93	4/23/93	7/22/93	10/18/93	2/15/94	4/28/94	7/8/94	10/22/94	2/17/95	4/20/95	7/14/95	10/17/95	10/11/96	2/27/97	4/16/97	7/22/97	10/28/97	2/5/98	4/30/98
Benzene	160	96	86	9	34	22	60	3.5	27.9	40.6	16.5	9.4	3.1	11	9.4	<0.9	10	<0.9	<0.9	<1.0	0.46	<0.31	<0.31	0.34	0.94	0.42
Ethylbenzene	<0.7	13	<1.0	<1.0	3.4	<1.0	<1.0	<1.5	4.5	4.5	<1.0	<0.2	0.4	0.2	<0.2	<0.9	4.2	<0.9	<0.9	<1.0	<0.35	<0.35	<0.35	<0.35	0.38	<0.35
Toluene	5.8	42	1.3	<1.0	3.4(B)	2.8	<1.0	<2.0	6.2	<2.0	<0.6	2.0	0.5	0.6	<0.5	<0.9	1.3	<0.9	<0.9	<1.0	1.5	<0.32	<0.32	<0.32	0.46	<0.32
Total Xylenes	5.9	52	4.7	<1.0	6.6	11	<1.0	<2.0	19.9	<2.0	3.1	<0.2	2.0	5.2	1.2 (D)	<0.8	6.9	3.3	<0.8	<1.0	<0.73	<0.73	<0.73	<0.73	1.48	<0.76
Methyl tertiary butyl ether	NA	NA	NA	15	21	11	<10	<2.0	6.7	6.2	<1.0	24	4.7	4.4	6.8	2.5	5.2	14	3.1	<1.0	0.83	0.84	2.5	0.90	2.8	1.0
1,2,4-Trimethylbenzene	NA	NA	NA	<0.2	1.6 (B)	11	<0.2	<1.0	<1.0	7.8	<0.9	<0.2	<0.2	0.5	0.3	<0.9	2.1	1.1	<0.9	<1.0	<0.36	<0.36	<0.36	<0.36	0.37	<0.36
1,3,5-Trimethylbenzene	NA	NA	NA	<0.3	0.6	4.4	<0.3	<2.0	<2.0	<2.0	<0.7	<0.2	<0.2	0.4	0.4	<0.4	0.6	0.7	<0.4	<1.0	<0.38	<0.38	<0.38	<0.38	0.51	<0.38
1,4-Dichlorobenzene	11	<0.5	2.0	<1.0	NA	NA	<1.0	<0.2	NA	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	<0.7	1.9	<1.0	<1.0	NA	NA	<1.0	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	<0.7	<0.7	<1.0	<1.0	NA	NA	<1.0	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	<0.3	0.6	4.4	<0.3	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	1.5	NA	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	<1.4	<1.4	<5.0	<5.0	NA	NA	<5.0	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	<0.5	<0.5	<0.1	<0.1	NA	NA	<0.1	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	NA	<0.8	<0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	<1.1	<1.5	<1.5	NA	NA	<1.5	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	<0.2	<0.2	<0.2	<0.2	NA	NA	<0.2	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37000	46000	41000	NA	NA	1750
Nitrogen, Nitrate + Nitrite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.9	14	<3.9	NA	NA	0
Sulfate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36000	17000	50000	NA	NA	NA
Lead (mg/L)	NA	NA	NA	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2000	3000	NA	NA	NA	1.0
Dissolved Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	1.5	1.0	1.5	1.0
ORP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-249
Groundwater Elevation (ft)	746.48	746.9	746.8	745.66	746.53	746.73	746.38	745.68	747.62	747.58	746.49	745.78	746.22	746.64	745.97	744.82	746.17	740.36	746.17	746.17	744.43	746.45	746.88	746.69	745.99	746.48
Analytical Method	1	1	1	1	4	4	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Laboratory	Serco	Serco	Serco	Serco	Serco	Serco	Serco	MVTL	MVTL	MVTL	MVTL	Badger	Badger	Badger	Badger	MVTL	MVTL	MVTL	MVTL	NET	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL

64W90-2

Date Sampled / Parameter (µg/l)	10/5/90	4/26/91	9/17/91	1/22/92	4/15/92	7/7/92	10/22/92	2/17/93	4/23/93	7/22/93	10/18/93	2/15/94	4/28/94	7/8/94	10/22/94	2/17/95	4/20/95	7/14/95	10/17/95	10/11/96	4/16/97	7/22/97	10/28/97	2/5/98	4/30/98
Benzene	23	51	94	18	20	46	18	7.5	15.8	13.3	22.9	22	1.8	11	<0.2	12	13	7.3	13	6.3	2.8	2.5	7.7	3.2	4.1
Ethylbenzene	<0.7	17	7.8	<1.0	3.2	5.6	<1.0	<1.5	5.3	<1.5	<1.0	<0.2	1.7	<0.2	<0.2	<0.9	<0.9	<0.9	<0.9	<1.0	0.72	<0.35	0.40	<0.35	<0.35
Toluene	1.5	35	3.6	<1.0	2.6 (A)	1.2	<1.0	<2.0	7.6	<2.0	<0.6	<0.2	1.8	<0.5	<0.5	<0.9	<0.9	1.0	1.1	<1.0	0.39	<0.32	<0.32	<0.32	0.33
Total Xylenes	12.6	78	10	<1.0	7.0	4.0	<1.0	<2.0	29.3	<2.0	2.0	<0.2	5.5	1.5	0.2 (D)	<0.8	3.7	1.1	<0.8	<1.0	3.3	<0.73	1.63	<0.73	<0.73
Methyl tertiary butyl ether	NA	NA	NA	<10	<10	11	<10	<2.0	<2.0	<2.0	<1.0	5.0	2.5	4.1	2.4	<1.2	<1.2	<1.2	3.4	8.7	1.1	0.51	1.6	2.6	1.5
1,2,4-Trimethylbenzene	NA	NA	NA	<0.2	3.2(B)	3.0	<0.2	<1.0	2.0	<1.0	<0.9	<0.2	1.9	<0.2	<0.2	<0.9	1.6	<0.9	<0.9	<1.0	0.85	<0.36	0.46	<0.36	<0.36
1,3,5-Trimethylbenzene	NA	NA	NA	<0.3	1.4	<0.3	<0.3	<2.0	3.0	<2.0	2.1	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	0.5	<1.0	0.38	<0.38	<0.38	0.43	<0.38
1,4-Dichlorobenzene	21	2.4	<1.0	<1.0	NA	NA	<1.0	<0.2	NA	<0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	<0.7	3.6	<1.0	<1.0	NA	NA	<1.0	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	<0.7	2.0	<1.0	<1.0	NA	NA	<1.0	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NA	NA	NA	<0.3	1.4	<0.5	<0.3	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	NA	NA	NA	<1.0	NA	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	17.8	<1.4	<5.0	<5.0	NA	NA	<5.0	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	<0.5	0.6	<0.1	<0.1	NA	NA	<0.1	<0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl ether	NA	3.9	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	<1.1	<1.5	<1.5	NA	NA	<1.5	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	<0.2	0.7	<0.2	<0.2	NA	NA	<0.2	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38000	8800	NA	NA	72500
Nitrogen, Nitrate + Nitrite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	310	31.4	NA	NA	0
Sulfate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16000	41000	NA	NA	NA
Lead (mg/L)	NA	NA	NA	<0.1																					
Iron (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	NA	NA	NA	0.5
Dissolved Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0	1.0	1.0	1.5	1.5
ORP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-115
Groundwater Elevation (ft)	746.58	746.98	746.88	745.75	746.56	746.77	746.5	745.72	747.6	747.65	746.56	745.4	746.13	746.49	745.87	744.39	746.19	739.49	746.33	749.01	746.44	746.85	746.69	745.96	746.41
Analytical Method	1	1	1	1	4	4	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Laboratory	Serco	Serco	Serco	Serco	Serco	Serco	Serco	MVTL	MVTL	MVTL	MVTL	Badger	Badger	Badger	Badger	MVTL	MVTL	MVTL	MVTL	NET	MVTL	MVTL	MVTL	MVTL	MVTL

Notes:

Analytical Method
1. VOCs using USEPA 8021
2. PVOCs using USEPA 8020 plus Naphthalene
3. PVOCs using USEPA 8020 plus Bromobenzene
4. PVOCs using USEPA 8020
5. PVOCs using USEPA Method 8020/5030 Modified

NS - Not Sampled
NA - Not analyzed
--- = No limit established in NR140.
(A) = May be due to laboratory contamination.
(B) = Present in the laboratory blank at 1.0 ug/L.
(C) = Present in the laboratory blank at 0.4 ug/L.
(D) = Present in the laboratory blank at 0.2 ug/L.
Elevation of top of PVC at 64W90-1 = + 750.38 msl (3/13/97)
Elevation of top of PVC at 64W90-2 = + 750.00 msl (3/13/97)
PAL = Preventive Action Limit, NR 140 (October, 1996)
ES = Enforcement Standard, NR 140 (October, 1996)

Serco - Roseville, MN
MVTL - Minnesota Valley Testing Laboratory - New Ulm, MN / 1997 Milwaukee, Wisconsin
Badger - Appleton, WI.
NET - National Environmental Testing, Inc. - Rockford, IL
Only parameters present above the method detection limit are included in the table.

Table 3b
Mercury Marine Plant 64 (Removed Tank 64-3)
Groundwater Monitoring Results
STS Project No. 22814XF

Monitoring Well No.	64W92-2							64W92-3	64W92-4									
Date Sampled	9/18/92	4/23/93	7/22/93	10/18/93	2/14/94	4/26/94	7/8/94	9/18/92	9/18/92	4/23/93	7/22/93	10/18/93	2/14/94	4/26/94	7/8/94	10/26/94	2/17/95	4/20/95
Parameter (µg/l)																		
Benzene	<1.0	<2.0	<2.0	<0.5	0.3	<0.2	<0.2	<1.0	8.4	<2.0	16.2	8.7	19.0	0.3	6.3	<0.2	18.0	8.3
Bromobenzene	0.9	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.2	<0.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<0.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethyl Benzene	<1.0	<2.0	<2.0	<0.6	<0.2	<0.2	<0.5	<1.0	<1.0	<2.0	<2.0	<0.6	<0.2	<0.2	<0.5	<0.5	<0.9	<0.9
MTBE	<10	<2.0	<2.0	<1.0	<0.4	<0.4	<0.4	<10	<10	<2.0	<2.0	<1.0	<0.4	<0.4	<0.4	<0.4	<1.2	<1.2
Total Xylenes	<1.0	<1.5	<1.5	<1.6	<0.4	0.2	<0.4	<1.0	2.1	<1.5	<1.5	<1.6	<0.4	<0.4	<0.4	<0.5	1.4	<0.8
Toluene	<1.0	<2.0	<2.0	<0.6	<0.2	0.2	<0.5	<1.0	<1.0	<2.0	<2.0	<0.6	<0.2	<0.2	<0.5	<0.5	<0.9	<0.9
1,2,4-TMB	0.7	<1.0	<1.0	<0.9	<0.2	<0.2	<0.2	<0.2	1.9	<1.0	<1.0	<0.9	<0.2	<0.2	<0.2	<0.2	<0.9	<0.9
1,3,5-TMB	<0.3	<2.0	<2.0	<0.7	<0.2	<0.2	<0.2	<0.3	0.6	<2.0	<2.0	<0.7	<0.2	<0.2	<0.2	<0.2	0.9	<0.4
Nitrogen, Nitrate, Nitrite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Analytical Method	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Laboratory	Serco	MVTL	MVTL	MVTL	Badger	Badger	Badger	Serco	Serco	MVTL	MVTL	MVTL	Badger	Badger	Badger	Badger	MVTL	MVTL

Monitoring Well No.	64W92-4(continued)									64W92-5		64W97-9				64W97-10				64W97-11				64W98-12					64WOO-16
Date Sampled	7/14/95	8/7/95	10/17/95	2/13/96	7/31/97	10/28/97	2/5/98	4/30/98	11/30/98	9/18/92	11/30/98	7/22/97	11/17/97	2/5/98	4/30/98	7/22/97	11/17/97	2/5/98	4/30/98	7/22/97	11/17/97	2/5/98	4/30/98	4/30/98	6/3/98	11/30/98	12/21/99	3/30/00	3/30/00
Parameter (µg/l)																													
Benzene	22.0	20.0	19.0	22.0	3.9	4.8	7.8	6.6	6.5	<1.0	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	14	12	9.7	0.9	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<0.26	<0.26	NA	NA	<0.26	<0.2	<0.26	<0.26	NA	NA	NA	<0.26	<0.26	NA	NA	<0.26	NA	NA	NA	<0.26	<0.26	<0.26	NA	<1.0	<1.0
n-Butylbenzene	NA	NA	NA	NA	<0.35	<0.35	NA	NA	<0.35	<0.2	<0.35	<0.35	NA	NA	NA	<0.35	0.36	NA	NA	<0.35	NA	NA	NA	0.38	0.41J	<0.35	<0.35	<1.0	<1.0
t-Butylbenzene	NA	NA	NA	NA	<0.28	<0.28	NA	NA	<0.28	<0.2	<0.28	<0.39	NA	NA	NA	<0.28	<0.28	NA	NA	<0.28	NA	NA	NA	0.83	0.57J	<0.28	<0.28	NA	NA
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<0.44	<0.44	NA	NA	<0.44	<1.0	<0.44	<0.44	NA	NA	NA	<0.44	<0.44	NA	NA	<0.44	NA	NA	NA	1.0	2.3	2.6	NA	<1.0	<1.0
c-1,2-Dichloroethene	NA	NA	NA	NA	<0.39	<0.39	NA	NA	<0.39	<0.2	<0.39	<0.37	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	NA	NA	NA	0.47	<0.39	<0.39	<0.39	<1.0	6.6
Ethyl Benzene	1.0	2.7	1.9	<1.0	<0.35	<0.35	<0.35	<0.35	<0.35	<1.0	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<1.0	<1.0
Isopropylbenzene	NA	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	<0.2	<0.37	<0.37	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	NA	NA	NA	0.47	0.42J	<0.37	<0.37	<1.0	<1.0
p-Isopropyltoluene	NA	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	<0.2	<0.37	<0.37	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	NA	NA	NA	2.1	9.2	<0.37	<0.37	NA	NA
MTBE	<1.2	<1.2	5.2	1.5	<0.29	<0.29	<0.29	<0.29	<0.29	<1.0	<0.29	<0.29	0.80	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	0.50	0.72J	0.52 J	<0.29	<1.0	<1.0
n-Propylbenzene	NA	NA	NA	NA	<0.39	<0.39	NA	NA	<0.39	<0.2	<0.39	<0.37	NA	NA	NA	<0.37	<0.37	NA	NA	<0.37	NA	NA	NA	0.43	0.44J	<0.39	<0.39	<1.0	<1.0
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.44	NA	15
Total Xylenes	2.7	8.9	21.0	<1.0	<0.73	<0.73	<0.73	<0.73	<0.73	<1.0	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.73	<0.109	<0.73	<1.09	<3.0	<3.0
Toluene	1.1	2.6	9.9	<1.0	<0.32	<0.32	<0.32	<0.32	<0.32	<1.0	<0.32	<0.32	0.33	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	1.4	<0.32	<0.32	<1.0	<1.0
Vinyl Chloride	NA	NA	NA	NA	<0.63	<0.63	NA	NA	<0.63	<0.2	<0.63	<0.36	NA	NA	NA	<0.36	<0.36	NA	NA	<0.36	NA	NA	NA	2.2	<0.63	<0.63	<0.63	<1.0	1.7
1,2,4-TMB	<0.9	5.6	2.1	<1.0	<0.36	<0.36	<0.36	<0.36	<0.36	<0.2	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<1.0	<1.0
1,3,5-TMB	0.6	2.8	2.9	<1.0	<0.38	<0.38	<0.38	<0.38	<0.38	<0.3	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<1.0	<1.0
Chloride	NA	NA	NA	NA	NA	NA	NA	>2500	NA	NA	NA	NA	NA	NA	210	NA	NA	NA	325	NA	NA	NA	>2500	450	NA	NA	NA	NA	NA
Nitrogen, Nitrate, Nitrite	NA	NA	NA	NA	NA	NA	NA	0	4400	NA	2500	NA	NA	NA	0	NA	NA	NA	0	NA	NA	NA	0	0	NA	2500	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	3900	NA	5200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54000	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	25	66 J	NA	2300	NA	NA	NA	NA	NA	NA	NA	1.0	NA	NA	NA	2.5	4.5	NA	2800	NA	NA	NA
Dissolved Oxygen	NA	NA	NA	NA	NA	NA	1.0	2.0	1.0	NA	2.5	NA	4.5	1.0	2.5	NA	1.0	1.0	1.5	NA	1.0	2.5	2.0	1.5	1.0	1.5	3.0	NA	NA
ORP	NA	NA	NA	NA	NA	NA	NA	44	NA	NA	NA	NA	NA	NA	210	NA	NA	NA	137	NA	NA	NA	139	25	NA	NA	NA	NA	NA
Analytical Method	3	3	3	3	1	1	4	4	1	1	1	1	4	4	4	1	1	4	4	1	4	4	4	1	1	1			
Laboratory	MVTL	MVTL	MVTL	NET	MVTL	MVTL	MVTL	MVTL	MVTL	Serco	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	CT&E	CT&E

Notes:

Analytical Method
1. VOCs using USEPA 8021
2. PVOCs using USEPA 8020 plus bromobenzene
3. PVOCs using USEPA 8020 plus chlorobenzene
4. PVOCs using USEPA 8020
5. PVOCs using USEPA Method 8020/5030 Modified

NA - Not analyzed
-- = No limit established in NR140
PAL - Preventive Action Limit, NR140 (October, 1996)
ES - Enforcement Standard, NR140 (October, 1996)

Serco - Roseville, MN.
MVTL - Minnesota Valley Testing Laboratory - New Ulm, MN / 1997 Milwaukee, WI.
Badger - Appleton, WI.
NET - National Environmental Testing, Inc. - Rockford, IL.
Only parameters present above the method detection limit are included in the table.

Table 3c
Mercury Marine Plant 64 (FLS Rooms)
Groundwater Monitoring Results
STS Project No. 22814XF

Monitoring Well No.	64W90-2	64W90-3															64W97-6					64W97-7					
Date Sampled	12/20/99	10/5/90	11/29/90	4/26/91	9/17/91	1/22/92	4/15/92	7/7/92	2/4/93	4/23/93	7/22/93	10/26/94	2/17/95	4/20/95	7/14/95	12/20/99	7/23/97	10/28/97	2/5/98	5/4/98	12/20/99	7/23/97	10/28/97	2/5/98	5/4/98	11/30/98	12/20/99
Parameter (µg/l)																											
Benzene	NA	2.4	<0.3	<0.3	<1.0	2.9	1.4	<1.0	<2.0	<2.0	<2.0	1.2	<2.0	<2.0	<2.0	1.4	<0.31	<0.31	<0.31	<0.31	0.17	380	84	200	270	350	140
n-Butylbenzene	NA	NA	NA	NA	NA	<0.3	NA	NA	<2.0	NA	NA	<1.0	<2.0	<2.0	<2.0	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	5.6	3.6	<3.5	4.5	4.2 J	3.8
sec-Butylbenzene	NA	NA	NA	NA	NA	<0.4	NA	NA	2.0	NA	NA	<1.0	<2.9	<2.0	<2.0	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	2.0	1.4	<4.4	<2.2	<4.4	4.5
t-Butylbenzene	NA	NA	NA	NA	NA	4.0	NA	NA	<2.0	NA	NA	1.5	<2.0	<2.0	<2.0	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	0.81	<0.28	<2.6	<1.4	<2.8	<1.4
Chloroform	NA	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	<1.0	NA	NA	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<1.9
Methylene chloride	NA	<1.4	6.9	7.7	<5.0	<5.0	NA	NA	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tertiary butyl ether	NA	NA	NA	NA	NA	<10	<10	<10	<2.0	<2.0	<2.0	<0.4	<2.0	<2.0	<2.0	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	41	<1.4	<2.9	<1.4
cis-1,2-Dichloroethene	NA	<0.2	<0.2	<0.2	<0.2	<0.2	NA	NA	<0.8	NA	NA	<1.0	<0.8	<0.8	1.1	0.90	<0.39	<0.39	<0.39	<0.39	<0.39	6.52	<0.39	<3.9	<2.0	<3.9	<2.0
Ethyl Benzene	NA	<0.7	30.5	<0.7	<1.0	<1.0	1.4	3.0	1.5	<2.0	<1.5	0.2	<1.5	<1.5	<1.5	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	0.75	0.57	<3.5	<1.8	<3.5	<1.8
Isopropylbenzene	NA	NA	NA	NA	NA	<1.0	NA	NA	NA	NA	NA	<1.0	<1.5	<1.5	<1.5	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	5.3	3.4	4.3	6.4	5.1 J	3.4
4-Isopropyltoluene	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
di-Isopropyl ether	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	<1.0	<2.0	<2.0	<2.0	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	2.6	<0.24	<2.4	<1.2	<2.4	<1.2
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	NA	<1.0	<1.0	<1.0	<1.0	<0.37	2.2	0.96	0.49	<0.37	<0.37	<0.37	<0.37	<3.7	<1.8	<3.7	<1.8
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NA	NA	<1.0	<2.0	<2.0	<2.0	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	4.3	4.0	4.2	5.8	<3.9	<2.0
Trichloroethene	NA	2.0	1.0	0.5	2.9	<0.4	NA	NA	<0.4	NA	NA	<0.2	<.4	<.4	<.4	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	0.8	<0.44	<4.4	<2.2	<4.4	<2.2
Toluene	NA	1.5	1.1	<0.6	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<2.0	1.2	<0.32	0.35	<0.32	<0.32	0.90	2.5	1.1	<3.2	2.4	<3.2	2.8
Naphthalene	NA	NA	NA	NA	NA	<0.2	NA	NA	<2.2	NA	NA	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<3.6	<7.2	<3.6
Vinyl Chloride	NA	2.71	7.9	<0.1	<1.0	<1.0	NA	NA	<0.5	NA	NA	42	<2.0	<0.5	<0.5	25	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<0.63	<6.3	<3.2	<6.3	<3.2
Total Xylenes	NA	21.6	559	2.0	<1.0	<1.0	<1.0	4.4	2.0	<2.0	<1.0	<0.3	<2.0	<2.0	<2.0	<1.09	<0.73	<0.73	<0.73	<0.73	<1.09	3.5	2.26	<0.73	<3.6	<7.3	<5.4
Trimethylbenzenes	NA	NA	NA	NA	NA	<0.3	3.6	3.4	2.2	<1.0	<2.0	0.5	<3.0	<3.0	<3.0	<0.74	<0.74	<0.74	3.0	<0.74	<0.74	2.4	1.83	<7.4	1.9	<7.2	<3.7
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	>2500	NA	NA
Nitrogen, Nitrate, Nitrite	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	4400	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4800	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	710	9000	NA
Dissolved Oxygen	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0	NA	1.0	1.0	1.5	1.0	NA	1.0	1.5	1.5	2.0	1.0
Lead	<0.73	NA	NA	NA	NA	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	-114	NA	NA	NA	NA	NA	14	NA	NA
Analytical Method	1	1	1	1	1	1	4	4	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Laboratory	MVTL	Badger	Badger	Badger	Serco	Serco	Serco	Serco	MVTL	MVTL	MVTL	Badger	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL

Monitoring Well No.	64W97-8				64W98-13				64TMW-14			64TMW-14D	64TMW-15			97-6	97-7	97-8	97-9	97-10	97-11
Date Sampled	7/23/97	10/28/97	2/5/98	5/4/98	5/4/98	6/3/98	11/30/98	12/21/99	12/23/99	1/25/00	3/30/00	1/25/00	12/21/99	1/25/00	3/30/00	6/12/97					
Parameter (µg/l)																					
Benzene	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	27	<5.0	<20	<5.0	<0.31	<1.0	<1.0	<0.31	0.66	0.35 J	<0.31	<0.31	54
n-Butylbenzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<1.8	<5.0	<20	<5.0	<0.35	<1.0	<1.0	<0.35	1.8	<0.35	<0.35	<0.35	130
sec-Butylbenzene	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<2.2	<5.0	<20	<5.0	<0.44	<1.0	<1.0	<0.44	4.7	<0.44	<0.44	<0.44	110
t-Butylbenzene	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<1.4	<5.0	NA	<5.0	<0.28	<1.0	NA	<0.28	1.9	<0.28	<0.28	<0.28	47
Chloroform	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	44	<5.0	<20	<5.0	<0.38	<1.0	<1.0	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	<100	<25	NA	810	<5.0	NA	NA	NA	NA	NA	NA
Methyl tertiary butyl ether	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<1.4	<5.0	<20	<5.0	<0.29	<1.0	<1.0	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	<0.39	<0.39	<0.39	<0.39	<0.39	1.0 J	1.6	<0.39	<2.0	<5.0	<20	<5.0	1.3	<1.0	<1.0	4 J	<0.39	<0.39	<0.39	<0.39	18
Ethyl Benzene	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<1.8	<5.0	<20	<5.0	<0.35	<1.0	<1.0	<0.35	0.39 J	<0.35	<0.35	<0.35	75
Isopropylbenzene	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<1.8	<5.0	<20	<5.0	<0.37	<1.0	<1.0	<0.37	0.89 J	<0.37	<0.37	<0.37	94
4-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	79	390	73	NA	<1.0	<1.0	NA	NA	NA	NA	NA	NA
di-Isopropyl ether	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<1.2	NA	NA	NA	<0.24	NA	NA	<0.24	<0.24	<0.24	<0.24	<0.24	0.4
p-Isopropyltoluene	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<1.8	NA	NA	NA	<0.37	NA	NA	<0.37	2.6	<0.37	<0.37	<0.37	71
n-Propylbenzene	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	4.5	<5.0	NA	<5.0	<0.39	<1.0	NA	<0.39	0.73 J	<0.39	<0.39	<0.39	76
Trichloroethene	<0.44	<0.44	<0.44	<0.44	0.51	1.61	0.49	<0.44	<2.2	<5.0	<20	<5.0	<0.44	<1.0	<1.0	<0.44	<0.44	0.83	<0.44	<0.44	60
Toluene	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<1.6	<5.0	<20	<5.0	<0.32	<1.0	<1.0	<0.32	0.9 J		<0.32	<0.32	23.2
Naphthalene	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<0.72	<3.6	<25	<100	<25	<0.72	<5.0	<5.0	<0.72	<0.72	<0.72	<0.72	<0.72	145
Vinyl Chloride	<0.63	<0.63	<0.63	<0.63	<0.63	0.63 J	0.945	1.1	<3.2	<5.0	<20	<5.0	2.4	1.8	6.1	<0.63	<0.63	<0.63	<0.63	<0.63	263
Total Xylenes	<0.73	<0.73	<0.73	<0.73	<0.73	<0.169	<0.73	<1.09	8.6	<15	<60	<15	41.09	20	<3.0	<0.73	0.9 J	<0.73	<0.73	<0.73	52
Trimethylbenzenes	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	<0.74	22	<10	<40	<10	<0.74	<2.0	<2.0	<0.74	3.8	<0.74	<0.74	<0.74	78
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen, Nitrate, Nitrite	NA	NA	NA	NA	NA	NA	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	2000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	210 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	NA	1.0	1.0	2.0	1.0	1.0	1.0	2.0	1.0	NA	NA	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA.	NA	NA	NA	NA	NA
ORP	NA	NA	NA	105	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Analytical Method	1	1	1	1	1	1	4	1	1				1			1	1	1	1	1	1
Laboratory	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL	CT&E	CT&E	CT&E	MVTL	CT&E	CT&E	MVTL	MVTL	MVTL	MVTL	MVTL	MVTL

Notes:

Analytical Method
1. VOCs using USEPA 8021
2. PVOCs using USEPA 8020 plus Bromobenzene
3. PVOCs using USEPA 8020 plus Chlorobenzene
4. PVOCs using USEPA 8020
5. PVOCs using USEPA Method 8020/5030 Modified

NA - Not Analyzed
-- = No limit established in NR 140
PAL - Preventive Action Limit, NR 140 (October, 1996)
ES - Enforcement Standard, NR 140 (October, 1996)
J Flag - Concentration Report is below limit of quantification

Serco - Roseville, MN
MVTL - Minnesota Valley Testing Laboratory - New Ulm, MN/1997 Milwaukee, WI
Badger - Appleton, WI
NET - National Environmental Testing, Inc. - Rockford, IL
Only parameters present above the method detection limit are presented

Y:\projects\22814xf\MM64_TABLES.xls\Table 3c

TABLE 2
MERCURY MARINE PLANT 64
GROUNDWATER ELEVATION SUMMARY

Date	64W90-1	64W90-2	64W90-3	64W92-2	64W92-3	64W92-4	64W92-5	64W97-6	64W97-7	64W97-8	64W97-9	64W97-10	64W97-11	64W98-12	64W98-13	64TMW-14	64TMW-15	64W00-16	River
1/22/92	746.12	746.36	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
4/15/92	746.99	747.17	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/7/92	747.19	747.38	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
9/18/92	NM	NM	NM	747.82	747.14	747.29	747.02	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/22/92	746.84	747.11	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
2/5/93	746.14	746.33	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
4/23/93	748.08	748.21	NM	748.52	NM	747.98	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/22/93	748.04	748.26	NM	748.37	NM	746.94	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/18/93	746.95	747.17	NM	747.42	NM	746.61	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
2/14/94	746.24	746.01	NM	745.25	NM	745.26	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
4/26/94	746.68	746.74	NM	746.78	NM	746.71	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/7/94	747.71	747.10	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/8/94	NM	NM	NM	747.25	NM	747.16	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/19/94	746.43	746.48	NM	NM	NM	NM	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/26/94	NM	NM	746.85	NM	NM	746.47	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
2/17/95	745.28	745.00	747.27	NM	NM	745.36	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
4/20/95	746.63	746.80	744.83	NM	744.25	747.15	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/14/95	740.82	740.10	739.26	NM	NM	746.74	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
8/7/95	NM	NM	NM	NM	NM	746.30	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/17/95	746.63	746.94	746.88	746.90	NM	745.74	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
2/13/96	NM	NM	745.66	745.61	NM	745.74	NM	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
7/17/96	NM	NM	NM	NM	NM	746.57	746.37	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
10/11/96	746.63	746.62	746.66	NM	NM	746.53	745.94	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	RENE
3/17/97	744.43	745.42	745.22	746.19	745.62	745.30	746.15	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	746.30
4/10/97	NM	NM	NM	746.28	746.30	745.81	746.68	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	NM
4/14/97	746.45	746.44	746.37	746.35	746.41	746.16	746.79	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	746.52
4/23/97	746.43	746.41	746.38	746.36	746.41	746.15	746.54	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	746.45
5/1/97	746.83	746.81	746.82	746.85	746.87	746.39	746.93	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	MWNI	746.85
7/22/97	746.88	746.85	746.83	746.79	746.85	746.36	746.49	746.86	746.50	746.79	746.56	746.68	747.71	MWNI	MWNI	MWNI	MWNI	MWNI	747.00
10/27/97	746.69	746.69	746.68	746.71	746.72	746.54	746.16	746.81	746.42	746.29	747.02	745.98	747.88	MWNI	MWNI	MWNI	MWNI	MWNI	746.71
2/3/98	745.99	745.96	745.90	745.95	745.94	746.14	746.39	746.08	745.86	746.00	746.38	745.88	747.87	MWNI	MWNI	MWNI	MWNI	MWNI	746.30
4/28/98	746.48	746.41	746.42	746.27	746.46	746.48	746.57	746.62	746.30	746.80	747.44	746.83	748.59	743.96	745.75	MWNI	MWNI	MWNI	746.50
12/20/99	746.21	746.13	746.11	746.17	746.12	746.26	745.85	746.36	746.03	746.29	746.74	745.53	747.32	743.90	744.45	745.16	744.30	MWNI	746.30
4/7/00	746.68	746.56	746.68	746.81	746.77	746.61	746.34	746.68	746.10	746.46	746.29	746.68	747.55	743.95	NM	744.51	744.69	742.14	746.83
5/1/00	746.83	746.71	746.78	746.86	746.82	746.46	746.75	746.93	746.38	747.00	747.25	746.83	747.72	744.00	745.07	744.58	744.83	745.32	746.90
8/23/00	746.98	NM	NM	NM	NM	NM	746.77	747.28	746.67	NM	NM	747.37	NM	745.69	743.64	744.48	744.92	746.83	747.10

Notes:

NM - Not Measured
MWNI - Monitoring Well Not Installed
RENE - Reference Elevation Not Established

TVPC Elevations (mean sea level) based on 1997 site survey

64W90-1: 750.38	64W92-4: 748.66	64W97-9: 749.54
64W90-2: 750.00	64W92-5: 750.25	64W97-10: 750.08
64W90-3: 749.08	64W97-6: 751.38	64W97-11: 750.97
64W92-2: 748.55	64W97-7: 750.08	64W98-12: 750.55
64W92-3: 749.04	64W97-8: 749.08	64W98-13: 750.22

River (Gauge): 750.10

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Rec

SIGMA
ENVIRONMENTAL SERVICES INC.

220 East Ryan Road
Oak Creek, WI 53154-4533
414-768-7144
FAX: 414-768-7158

WI DNR RECEIVED APR 8 2002 NER WASTE/RR

April 4, 2002

Project Reference #7276

Mr. Alan Nass
Wisconsin Department of Natural Resources
1125 North Military Avenue
PO Box 10448
Green Bay, WI 54307-0448

RE: Mercury Plant #64 Well Abandonment Forms
455 Marion Road, Oshkosh, Wisconsin
BRRTS # 03-71-000359

Dear Mr. Nass:

The Wisconsin Department of Natural Resources (WDNR) granted conditional case closure to the Mercury Marine Plant 64 petroleum investigation on April 17, 2001. Sigma Environmental Services, Inc. (Sigma), on behalf of Mercury Marine, subsequently abandoned select monitoring wells at the site. Several monitoring wells remain at the site for the on-going chlorinated investigation. The monitoring well abandonment forms for Mercury Marine Plant 64 are attached for your files.

Upon receipt of closure for the chlorinated investigation, the remaining monitoring wells will be abandoned and the forms will be forwarded to the WDNR. Please contact our office at (800) 732-4671 with any questions or comments.

Respectfully Submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.

Jodi VanderVelden

Jodi M. VanderVelden, E.I.T.
Staff Engineer

Mark H. Krueger, P.G., P.H.
Senior Project Manager

Attachments

cc: Craig Dousharm, P.E. - Mercury Marine

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