## GIS REGISTRY INFORMATION

**SITE NAME:** Mobil Oil Corporation

**BRRTS #:** 02-05-000138 **FID # (**if appropriate**):**

**COMMERCE # (**if appropriate**):**

**CLOSURE DATE:** 07/19/2006

**STREET ADDRESS:** 410 Prarie Avenue

**CITY:** Green Bay

**SOURCE PROPERTY GPS COORDINATES** (meters in WTM91 projection)**:** **X=** 677990 **Y=** 452948

**CONTAMINATED MEDIA:** Groundwater [ ] Soil [ ] Both [x]

**OFF-SOURCE GW CONTAMINATION >ES:** [ ] **Yes** [x] **No**

**IF YES, STREET ADDRESS 1:**

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

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

**IF YES, STREET ADDRESS 1:**

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

**CONTAMINATION IN RIGHT OF WAY:** [ ] **Yes** [x] **No**

**DOCUMENTS NEEDED:**

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

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

Northeast Region Headquarters
2984 Shawano Ave., P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

July 19, 2006

Mr. Michael Holland
ExxonMobil Corporation
P.O. Box 874
Joliet, IL 60434

SUBJECT: Final Case Closure
Mobil Oil Terminal, 410 Prairie Avenue, Green Bay, Wisconsin
WDNR BRRTS Activity #: 02-05-000138

Dear Mr. Holland:

On January 31, 2002, the Wisconsin Department of Natural Resources Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

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

Pursuant to s. 292.12(2)(a), Wis. Stats., the asphalt, concrete, gravel and grass that currently exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of

the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

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

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

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

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. If there is equipment purchased with PECFA funds remaining at the site, contact the Commerce PECFA Program to determine the method for salvaging the equipment.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Kristin DuFresne at 920-662-5543.

Sincerely,

Bruce G. Urben
Northeast Remediation & Redevelopment Team Supervisor

Enclosure

cc: Phil Doyle, GES
1050 Corporate Boulevard, Suite C, Auora, IL 60505-6423

CAP/COVER MAINTENANCE PLAN FOR:
EXXONMOBIL OIL CORPORATION TERMINAL No. 48010, GREEN BAY, WISCONSIN

PREPARED: September 8, 2004

PREPARED BY: Groundwater and Environmental Services, Inc. on behalf of ExxonMobil Oil Corporation

Area specified on attached map (Exhibit A) for WDNR BRRTS #02-05-000138

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PURPOSE:
The purpose of this plan is to limit direct contact by maintaining the existing soil, gravel and concrete barrier in the areas associated with soil borings GP-7, GP-10, and GP-11.

SCOPE:
NR724.13(2) Wis. Adm. Code requires ExxonMobil Oil Corporation (ExxonMobil) to prepare a plan to maintain the cover in the restricted areas, which will make it unnecessary to conduct further soil remediation activities on the property at the present time.

RECORDS:
ExxonMobil will maintain restricted areas as designated on the attached site plan to ensure that the current cover is maintained. ExxonMobil will also ensure that any soil removed is properly remediated in accordance with applicable statutes and rules.

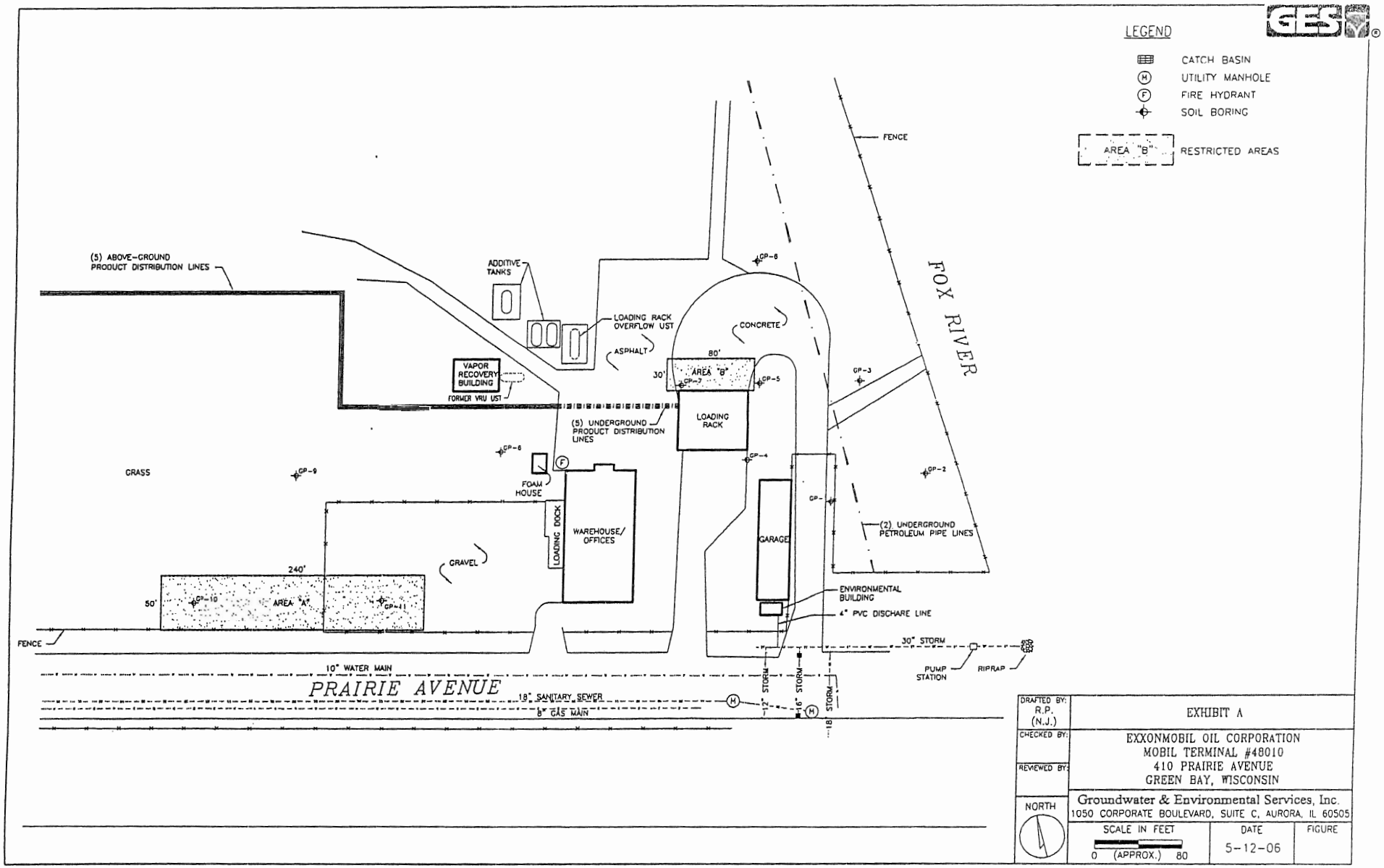
PROCEDURE:

- Attached is a map of the restricted areas (Exhibit A).
- A soil/gravel/concrete barrier is in place and maintained as a performance standard to address residual soil contamination on the property. The location of the soil/gravel/concrete barrier performance standard area is depicted on Exhibit A. Therefore, except for maintenance activities to restore paving and cover, the following activities are prohibited in the restricted areas, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources (WDNR) or its successor or assign: 1) excavating or grading of the land surface; 2) filling on the capped/covered area with the exception of the periodic filling of clean soil and gravel of equal or less permeability; 3) plowing for agricultural cultivation; and 4) construction or installation of a building or other structure with a foundation that would sit on or be placed within the cover. These restrictions shall not apply in emergency situations where advance notification and approval cannot be given or obtained; in that event, notice shall be given to the WDNR as soon as reasonably possible. ExxonMobil will visually inspect the capped/covered area semiannually. Clean gravel and soil will be added when necessary and/or paving will be repaired.
- If the restricted areas are excavated in the future, the property owner shall arrange for treatment or disposal of excavated soils in accordance with applicable statues and rules. In addition, one excavation sidewall sample will be collected for every 25 feet of sidewall, and one base sample will be collected for every 625 square foot area covered by the excavation (25' x 25' area) upon completion of soil removal. Excavation sidewall and base samples will be submitted to a Wisconsin certified laboratory for analysis and a copy of the analytical data will be provided to WDNR.
- The capped/covered areas will be visually inspected semiannually by ExxonMobil to ensure that it is being maintained. Clean gravel and soil will be added when necessary and/or paving will be repaired. ExxonMobil will record the inspection on logs (Exhibit B) that will be kept at the ExxonMobil Joliet Refinery (see contact information). The inspection records will be kept until the soil restrictions are lifted. If the either of the restricted areas require excavation, the WDNR will be notified before excavation begins. In the event of an emergency situation, the WDNR will be notified as soon as reasonably possible.

CONTACTS: ExxonMobil Oil Terminal No. 48010- Green Bay
Attn: Patrick Carroll (Terminal Foreman)
410 Prairie Avenue
Green Bay, Wisconsin
920-435-2054

ExxonMobil Refining and Supply Company
Global Remediation
Attn: Michael Holland, PE (Project Manager)
Joliet Refinery
PO Box 874
Joliet, Illinois 60434
815-521-7664

LOCATION: ExxonMobil Oil Terminal No, 48010– Green Bay, Wisconsin
410 Prairie Avenue
Green Bay, Wisconsin
Brown County
SE1/4 Section 24, T 24N, R 20 E

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# COVER INSPECTION LOG
## AREA A
## CAP/COVER MAINTENANCE PLAN
## GREEN BAY TERMINAL 48010
## 410 PRAIRIE AVENUE
## GREEN BAY, WISCONSIN

| Inspection Date | Printed Name of Inspector | Signature of Inspector | Action Required (Yes/No) | Comments/Detail of Action Required if Applicable | Date Action Completed |
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Notes: Inspection of the cover in Area A is to be conducted at least annually. Inspect for signs of digging or cover removal and replace cover with material of equal or less permeability than existing cover as necessary to maintain cover over underlying soil. Refer to Exhibit A of the CAP/Cover Maintenance Plan dated August 8, 2003 for a description of the area to be inspected.

Upon completion of annual cover inspection, mail a copy of the log to:

ExxonMobil Refining and Supply Company
Global Remediation
Attn: Michael Holland, P.E.
PO Box 874
Joliet, Illinois 60434
Telephone Number: 815-521-7664

RECD JUL 12 2006

2265175

CATHY WILLIQUETTE
BROWN COUNTY RECORDER
GREEN BAY, WI

RECORDED ON
07/10/2006 10:53:14AM

REC FEE: 21.00
TRANS FEE:
EXEMPT #
PAGES: 6

Document Number | DEED RESTRICTION

Recording Area 6

Name and Return Address
Michael C. Holland, P.E.
ExxonMobil Corporation
P.O. Box 874
Joliet, IL 60434

18-4
Parcel Identification Number

Declaration of Restrictions

In Re:

Beginning at a point on the Northeasterly line of Prairie Avenue 40'0" Southeasterly from the intersection of the Northeasterly line of Prairie Avenue and the Southeasterly line of Bylsby Street; thence North 26°19'41" East, a distance of 664.5' to a point (marked by a ¾" iron pipe); thence South 64°15'19" East a distance of 1673.17' to a point (marked by 2½" iron pipe); thence continuing South 64°15'19" East a distance of 187.87' to the established bulkhead line of the Fox River as approved by the U.S. War Department, April 15, 1916; thence continuing South 64°15'19" East a distance of 250.79' to the Pierhead line of the Fox River, also approved April 15, 1916; thence South 7°32'33" West along said Pierhead line of the Fox River to its intersection with the Northeasterly line of Prairie Avenue extended Southeasterly; thence North 64°15'19" West 123.77' to a point (marked by a ¾" iron pipe); thence continuing North 64°15'19" West 127.02' to the before mentioned approved bulkhead line; thence continuing North 64°15'19" West 268.38' to a point (marked by a ¾" iron pipe); thence continuing North 64°15'19" West 1818.17' to the point of beginning – except that portion of the above described lands described as follows: A strip of land 45.0' wide extending Southeasterly from the Northwesterly line of Broadway extended, and Northeasterly from the Northeasterly line of Prairie Avenue extended Southeasterly. All of said lands being situated in the City of Green Bay, Brown County, Wisconsin.

STATE OF WISCONSIN
COUNTY OF BROWN
I hereby certify that this instrument is a true and correct copy of the original record on file in the Brown County Register of Deeds Office
Date: 7-10-06 No. of Pages 6
Cathy Williquette
REGISTER OF DEEDS BY: KG

STATE OF WISCONSIN )
) ss
COUNTY OF Brown )

WHEREAS, ExxonMobil Oil Corporation, a New York Corporation (A.K.A. Socony-Vacuum Oil Company, Incorporated, a New York Corporation), is the owner of the above-described property.

WHEREAS, one or more petroleum discharges have occurred on this property. On November 17, 2000, when soil samples were collected on this property Benzene, Ethylbenzene, and Xylene contaminated soil remained on this property at the former location of geoprobes GP-7, GP-10 and GP-11 at concentrations

above NR 720 Wis. Adm. Code and/or NR 746 Wis. Adm. Code Table 1 or 2 values. 1,3,5-trimethylbenzene contaminated soil remained on this property at the former location of geoprobe GP-11 at a concentration above the NR 746 Wis. Adm. Code Table 1 value. The location of these former geoprobe locations can be observed on attached Exhibit A.

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

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:

The pavement or other impervious surface that existed on the above-described property in the locations shown on the attached map, labeled Exhibit A, on the date that this restriction was signed shall be maintained in compliance with Cap/Cover Maintenance Plan For: ExxonMobil Oil Corporation Terminal No. 48010, Green Bay, Wisconsin dated September 8, 2004 that was submitted to the Wisconsin Department of Natural Resources by Groundwater & Environmental Services, Inc., as required by section NR 724.13(2) Wis. Adm. Code (October 1999). A copy of the maintenance plan can be found at 410 Prairie Avenue. This pavement or other impervious cap must be maintained in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil that remains on the property in the location or locations described above where there is residual contamination is excavated in the future, the soil must be sampled and analyzed, may be considered solid or hazardous waste if residual contamination remains and must be stored, treated and disposed in compliance with applicable statutes and rules.

In addition, the following activities are prohibited on any portion of the above-described property where pavement or other impervious surface is required, as shown on Exhibit A, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Replacement with another barrier; (2) Excavating or grading of the land surface; (3) Filling on capped or paved areas; (4) Plowing for agricultural cultivation; and (5) Construction or placement of a building or other structure in an area where pavement or other impervious surface is required.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources,

its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

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

By signing this document, Mark N. Gallagher asserts that he or she is duly authorized to sign this document on behalf of ExxonMobil Oil Corporation, a New York Corporation (A.K.A. Socony-Vacuum Oil Company, Incorporated, a New York Corporation).

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 19th day of June, 2006.

Signature: Mark N. Gallagher
Printed Name: Mark N. Gallagher
Title: Attorney and in Fact

Subscribed and sworn to before me
this 19th day of June, 2006

Donna C. Williams
Notary Public, State of Virginia
My commission expires January 31, 2009

DONNA C. WILLIAMS COMMONWEALTH OF VIRGINIA NOTARY PUBLIC

DONNA C. WILLIAMS
NOTARY PUBLIC
COMMONWEALTH
OF VIRGINIA
My Commission Expires
January 31, 2009

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by Groundwater Environmental Services, Inc.

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

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

Remediation and Redevelopment
1125 North Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307-0448
Telephone 920-492-5916
FAX 920-492-5859
TTY 920-492-5812

February 21, 2002

Mr. Pete Gates
Mobil Oil Corporation
Joliet Refinery
P.O. Box 874
Joliet, IL 60434

Subject: Conditional Case Closure
Mobil Oil Terminal, 410 Prairie Avenue, Green Bay, Wisconsin
WDNR BRRTS # 02-05-000138

Dear Mr. Gates:

On January 31, 2002, your request for closure of the case described above was reviewed by the Wisconsin Department of Natural Resources Northeast Region Closure Committee. The Northeast Region Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Closure Committee has determined that the petroleum contamination on the site appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.06, Wis. Adm. Code and will be closed when the following conditions are satisfied:

**Well Abandonment**
The monitoring wells, soil vapor extraction and groundwater treatment system wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department.

**Deed Restriction**
To close this site, the Department requires that a deed restriction be signed and recorded to address the issue of the remaining soil contamination associated with the site. The purpose of the restriction is to require a soil performance standard for direct contact at GP-7, GP-10 and GP-11. The restriction will require you to maintain the existing impermeable cap to prevent the remaining soil contamination from impacting human health and the environment. The impermeable cap must be maintained to minimize contaminant infiltration to direct contact concerns. This cap is to be maintained in accordance with a plan prepared and submitted to the Department pursuant to s. NR 724.13(2), Wis. Adm. Code.

You will need to submit a draft deed restriction to me before the document is signed and recorded. You may find a model deed restriction enclosed for your use. To assist us in our review of the deed restriction, you should submit a copy of the property deed and parcel map to

me along with the draft document. After the Department has reviewed the draft document for completeness, you should sign it if you own the property, or have the appropriate property owner sign it, and have it recorded by the Brown County Register of Deeds. Then you must submit a copy of the recorded document, with the recording information stamped on it, to me. Please be aware that if a deed restriction is recorded for the wrong property because of an inaccurate legal description that you have provided, you will be responsible for recording corrected documents at the Register of Deeds Office to correct the problem.

**Public Notice**

In accordance with ss. NR 714.07(5) and 722.09(2)(a)2, Wis. Adm. Code, you are required to provide a Class 1 public notice under ch. 985, Stats., concerning the impermeable cap placed on your property. Please refer to s. NR 714.07(5), Wis. Adm. Code, for details on the required content of the public notice. An example of a Class 1 public notice has been provided with this letter. Also enclosed is a list of newspapers in which the public notice can be published. The Department requires that you submit proof (a photocopy) of the published notice.

When the above conditions have been satisfied, please submit a letter to let me know that applicable conditions have been met, and your case will be closed. 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.html.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-492-5943.

Sincerely,

Kristin DuFresne

Kristin DuFresne
Hydrogeologist
Bureau for Remediation & Redevelopment

Enclosures

cc: Tammi Nagel, Handex
16940 West Victor Road, New Berlin, WI 53151

QUIT CLAIM DEED—By Corporation

STATE OF WISCONSIN
FORM No. 12

233642

VOL. 222 PAGE 507

**This indenture**, Made this 24th day of November in the year A.D. 19 39 between Wadhams Oil Company

a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee Wisconsin, party of the first part and Socony-Vacuum Oil Company, Incorporated, a New York corporation, duly licensed to transact business in the State of Wisconsin,

part y of the second part.

**Witnesseth**, That the said party of the first part, for and in consideration of the sum of One Dollar ($1.00) and other valuable considerations Dollars to it paid by the said part y of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released and quit-claimed, and by these presents does give, grant, bargain, sell, remise, release and quit-claim unto the said part y of the second part, and to its successors and assigns forever, the following described real estate, situated in the County of Brown State of Wisconsin, to-wit: Beginning at a point on the Northeasterly line of Prairie Avenue 40'0" Southeasterly from the intersection of the Northeasterly line of Prairie Avenue and the Southeasterly line of Dellesby Street; thence North 26° 19' 41" East, a distance of 664.5' to a point (marked by a ¾" iron pipe); thence South 64° 15' 19" East a distance of 1073.47' to a point (marked by 2½" iron pipe); thence continuing South 64° 15' 19" East a distance of 187.87' to the established bulkhead line of the Fox River as approved by the U. S. War Department, April 15, 1916; thence continuing South 64° 15' 19" East a distance of 250.79' to the Pierhead line of the Fox River, also approved April 15, 1916; thence South 7° 32' 33" West along said Pierhead line of the Fox River to its intersection with the Northeasterly line of Prairie Avenue extended Southeasterly; thence North 64° 15' 19" West 123.77' to a point (marked by a ¾" iron pipe), thence continuing North 64° 15' 19" West 127.02' to the before mentioned approved bulkhead line; thence continuing North 64° 15' 19" West 268.38' to a point (marked by a ¾" iron pipe); thence continuing North 64° 15' 19" West 1818.17' to the point of beginning - except that portion of the above described lands described as follows: A strip of land 45.0' wide extending Southeasterly from the Northwesterly line of Broadway extended, and Northeasterly from the Northeasterly line of Prairie Avenue extended Southeasterly. All of said lands being situated in the City of Green Bay, Brown County, Wisconsin.

This deed is executed and delivered for the sole purpose of correcting errors occurring in deeds between the same parties recorded in Volume 221, page 513, and Volume 222, page 33.

**To have and to hold** the same, together with all and singular the appurtenances and privileges thereunto belonging or in any wise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever of, the said party of the first part, either in law or equity, either in possession or expectancy of, to the only proper use, benefit and behoof of the said part y of the second part, its successors heirs and assigns forever.

**In Witness Whereof**, the said Wadhams Oil Company party of the first part, has caused these presents to be signed by M. G. Peeters its Vice President, and countersigned by R. P. Schwalbach its Secretary at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 24th day of November, A. D., 19 39.

SIGNED AND SEALED IN PRESENCE OF

L. O. Stocher

Eleanor Strasinsky

WADHAMS OIL COMPANY

M. G. Peeters

COUNTERSIGNED:

R. P. Schwalbach

**State of Wisconsin,** } ss.
Milwaukee County.

Personally came before me, this 24th day of November, A. D., 19 39, M. G. Peeters, Vice President, and R. P. Schwalbach, Secretary of the the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Vice President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation by its authority.

G. R. Hoffman

Notary Public, Milwaukee County, Wis.
My commission expires July 20 A.D. 19 41

No. 233642
Wadhams Oil Company
to
Socony-Vacuum Oil Company, Incorporated
Quit Claim Deed
REGISTER'S OFFICE,
State of Wisconsin, } ss.
Brown County,
Received for Record this 27 day of A.D. 19 39
at 2:41 o'clock P. M. and recorded in Vol. 222 of Deeds on page 507
Register of Deeds
FISH, KEYSER & BORNMAN
111 W. Wells Street
MILWAUKEE, WISCONSIN

**EXXONMOBIL OIL CORPORATION**

**CHANGE OF NAME**

I, D. R. Taule hereby certify:

1. That I am a duly elected Assistant Secretary of EXXONMOBIL OIL CORPORATION, a New York corporation, having its principal office at 5959 Las Colinas Boulevard, Irving, Texas, and, as such officer, have custody of and access to the official records of such Company:

2. That said Company was incorporated under the laws of the State of New York on August 10, 1882 under the corporate name "STANDARD OIL COMPANY OF NEW YORK";

3. That on July 30, 1931, the name of said Company was duly changed to "SOCONY-VACUUM CORPORATION", by Certificate of Change of Name duly filed in the office of the Secretary of State of the State of New York on such date;

4. That on May 31, 1934, the name of said Company was duly changed to "SOCONY-VACUUM OIL COMPANY, INCORPORATED", by Certificate of Change of Name duly filed in the said office of the Secretary of State of the State of New York on such date;

5. That on June 30, 1934, "VACUUM OIL COMPANY, INC." (incorporated in New York on July 28, 1931) was merged with and into Socony-Vacuum Oil Company, Incorporated by Certificate of Merger filed in the office of the Secretary of State of the State of New York on such date;

6. That on June 30, 1934, "STANDARD OIL COMPANY OF NEW YORK, INC." (incorporated in New York on July 30, 1931) was merged with and into Socony-Vacuum Oil Company, Incorporated by Certificate of Merger filed in the office of the Secretary of State of the State of New York on such date;

7. That on April 29, 1955, the name of said Company was duly changed to "SOCONY MOBIL OIL COMPANY, INC." by Certificate of Change of Name duly filed in the said office of the Secretary of State of New York on such date;

8. That on May 18, 1966, the name of said Company was duly changed to "MOBIL OIL CORPORATION" by a Certificate Amending Certificate of Incorporation of said Company duly filed in the said office of the Secretary of State of the State of New York on such date.

9. That on June 1, 2001, the name of said Company was duly changed to "EXXONMOBIL OIL CORPORATION" (its present corporate title), by a Certificate Amending Certificate of Incorporation of said Company duly filed in the said office of the Secretary of State of the State of New York on that date.

IN TESTIMONY WHEREOF, I have signed my name and affixed the Corporate Seal this 30th day of November 2005.

D. R. Taule - Assistant Secretary

UNITED STATES OF AMERICA }
COMMONWEALTH OF VIRGINIA }
COUNTY OF FAIRFAX }

Sworn to and subscribed before me this 30th day of November, 2005.

Jean M. King - Notary Public
My commission expires July 31, 2008

BOUNDARY AND
TOPOGRAPHIC SURVEY FOR

# MOBIL OIL CORPORATION

GREEN BAY, WISCONSIN BULK TERMINAL
PART OF LOT 51, FORT HOWARD MILITARY RESERVE,
CITY OF GREEN BAY, BROWN COUNTY, WISCONSIN

PLAT BEARINGS REFERENCED TO THE NORTHWEST LINE LOT 51, FORT HOWARD MILITARY RESERVE, ASSUMED BEARING S.64°-14'-22"E.

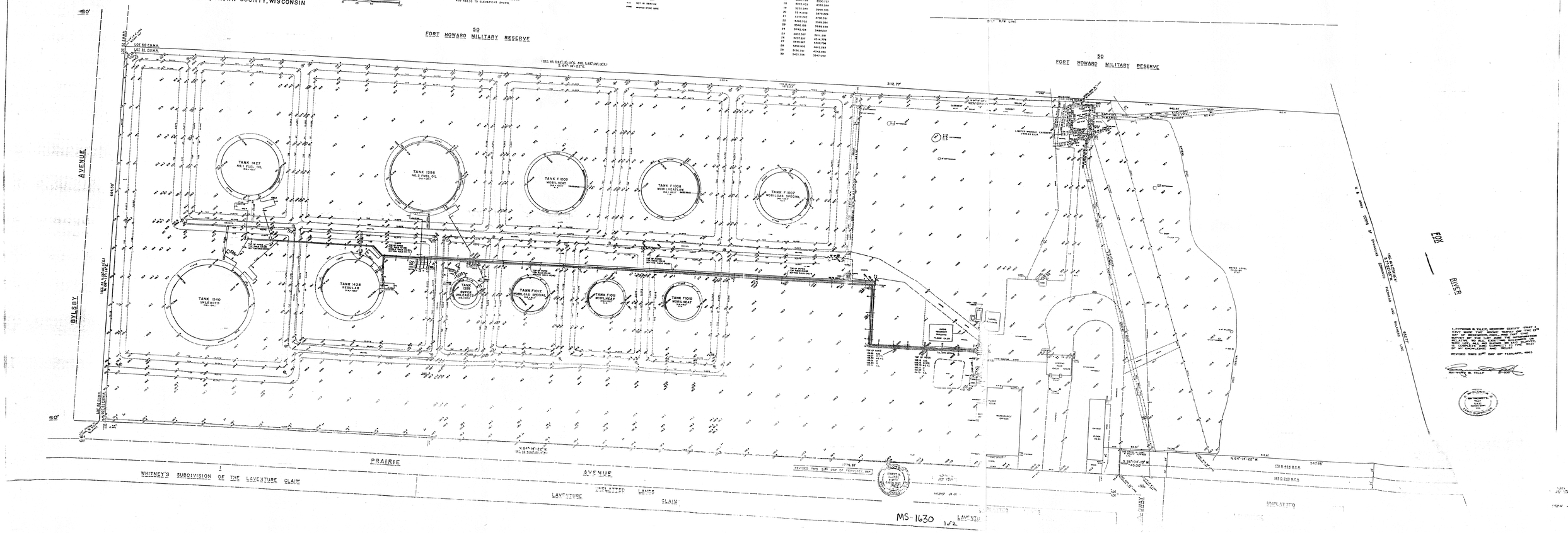
GRAPHIC SCALE

BENCHMARKS

NOTE - ELEVATIONS ARE BASED ON CITY OF GREEN BAY DATUM. TO CONVERT TO USLS, 1988, USE ADD 448.78 TO ELEVATION SHOWN.

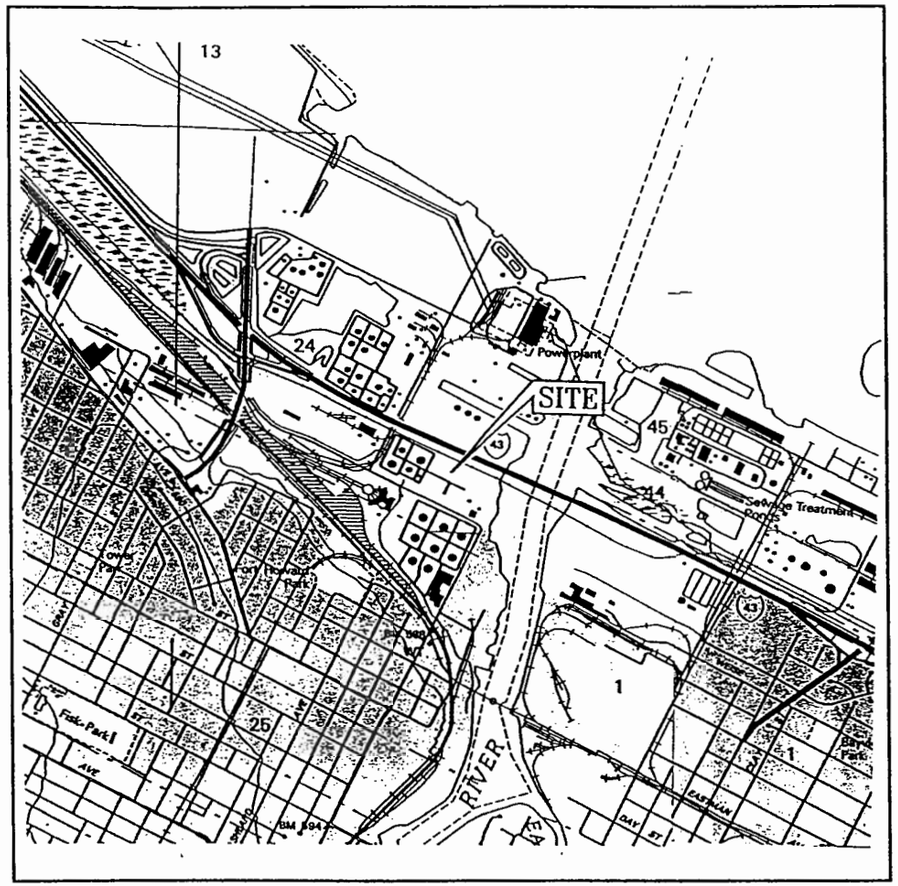
LEGEND

TOPOGRAPHIC COORDINATES




MS-1630 2of2

| NO. | REVISIONS | DATE | BY | CHKD |
|---|---|---|---|---|
| | | | | |




SCALE 1:24000

1 ½ 0 1 MILE

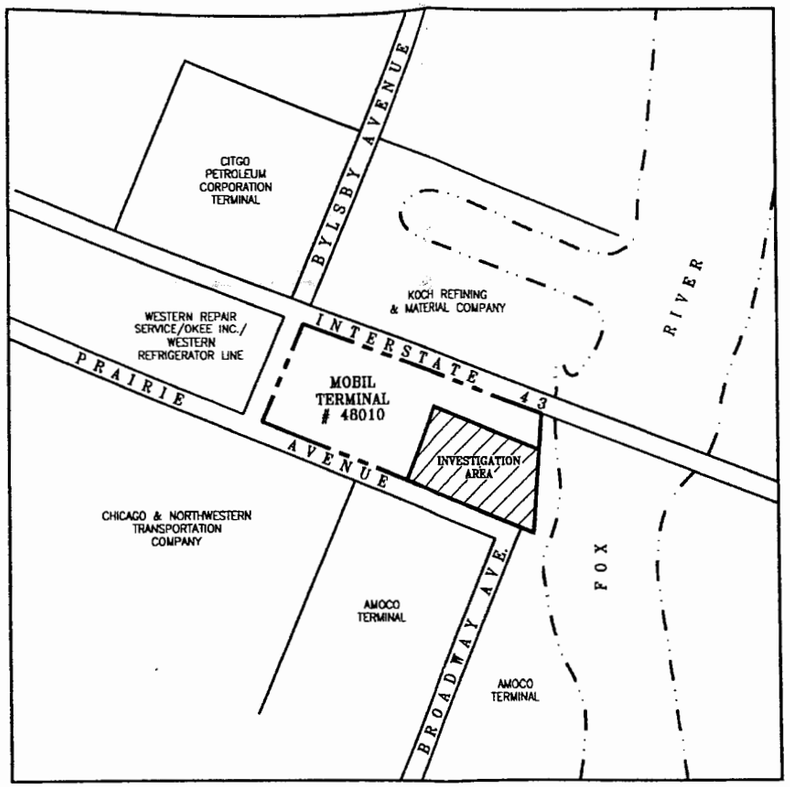
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

GREEN BAY QUADRANGLE
BROWN COUNTY, WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)

QUADRANGLE LOCATION

N




SCHEMATIC OF SURROUNDING AREA
NOT TO SCALE

Handex OF WISCONSIN
16940 VICTOR ROAD
NEW BERLIN, WI 53151
(262) 641-9011

# MOBIL OIL CORPORATION

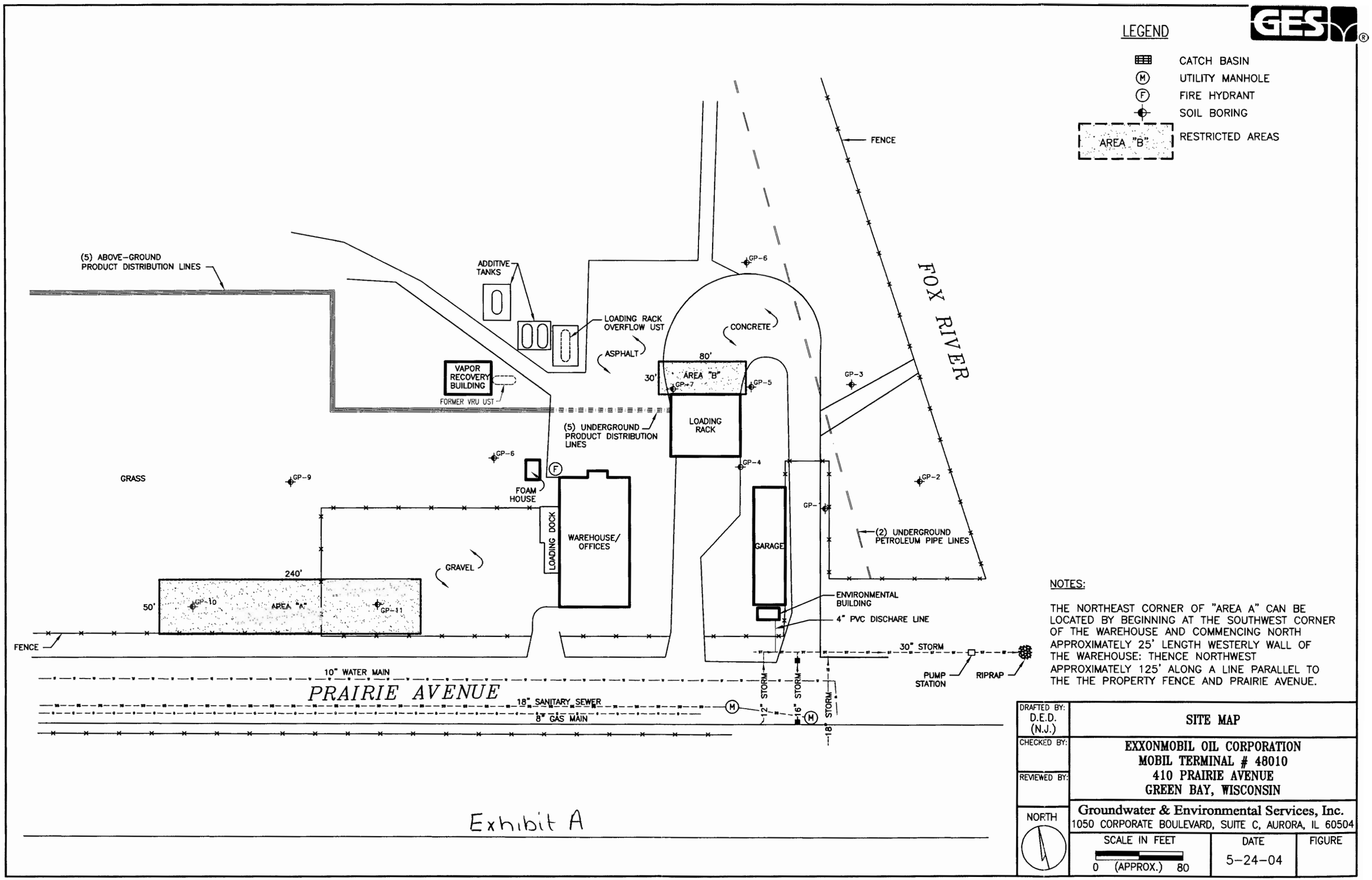
Marketing & Refining Division – U.S.
Marketing Operations Department
Environmental Engineering Group
Fairfax, Virginia 22037

SITE LOCATION MAP
MOBIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, BROWN COUNTY, WISCONSIN

| | |
|---|---|
| DRAWN BY: | M. SMITH |
| SCALE: | AS NOTED |
| DATE: | 6/14/01 |
| DRAWING FILE: | 116893 |

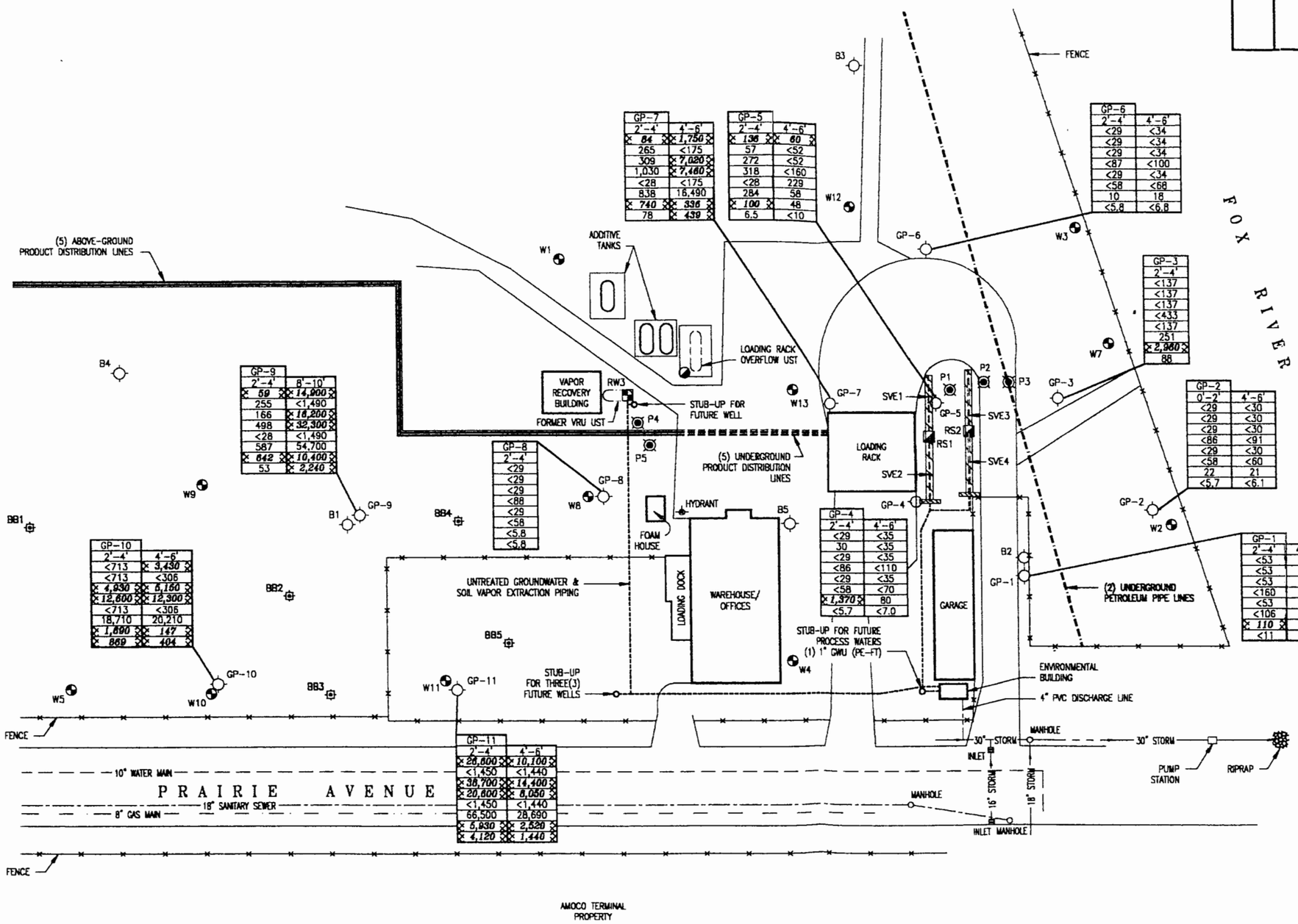
FIGURE 1

022SL2A




M:\Graphics\1400-Chicago\Mobil\0000 Terminals\48010 Mobil Terminal\48010 Mobil Terminal.dwg, 5/26/2004 2:57:33 PM, DDalton

| NO. | REVISIONS | DATE | BY | CHKD |
|---|---|---|---|---|
| | | | | |




## LEGEND

| | |
|---|---|
| | COMBINATION SVE/GROUNDWATER RECOVERY TRENCH |
| | TRENCH SEAL |
| | RECOVERY WELL LOCATION |
| | RECOVERY SUMP LOCATION |
| | MONITORING WELL LOCATION |
| | SOIL BORING LOCATION |
| | PRESSURE MONITORING PROBE LOCATION |
| | LEAK DETECTION OBSERVATION SUMP LOCATION |
| | BIOREMEDIATION EVALUATION SOIL SAMPLE LOCATION |

| | |
|---|---|
| GP-1 | SOIL BORING NUMBER |
| 2'-4' | SOIL SAMPLING DEPTH (ft.) |
| <53 | BENZENE CONCENTRATION (ug/kg) |
| <53 | TOLUENE CONCENTRATION (ug/kg) |
| <53 | ETHYLBENZENE CONCENTRATION (ug/kg) |
| <160 | TOTAL XYLENES CONCENTRATION (ug/kg) |
| <53 | METHYL TERT BUTYL ETHER CONCENTRATION (ug/kg) |
| <106 | TOTAL TRIMETHYLBENZENE CONCENTRATION (ug/kg) |
| 110 | DIESEL RANGE ORGANICS CONCENTRATION (mg/kg) |
| <11 | GASOLINE RANGE ORGANICS CONCENTRATION (mg/kg) |

| | |
|---|---|
| 11/16-17/00 | SOIL SAMPLING DATES |
| <53 | LESS THAN LABORATORY REPORTING LIMIT |
| 110 | EXCEEDENCE OF RESIDUAL CONTAMINANT LEVELS CHAPTER NR 720 WISCONSIN ADMINISTRATIVE CODE |


Handex OF WISCONSIN
16940 VICTOR ROAD
NEW BERLIN, WISCONSIN 53151
(262) 641-9011


# MOBIL OIL CORPORATION

Marketing & Refining Division - U.S.
Marketing Operations Department
Environmental Engineering Group
Fairfax, Virginia 22037

## POST-REMEDIAL SOIL ANALYTICAL RESULTS MAP

11/16 - 11/17/00
MOBIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, BROWN COUNTY, WISCONSIN

| | |
|---|---|
| DRAWN BY: | M. SMITH |
| SCALE: | 1" = 80' |
| DATE: | 6/25/01 |
| DRAWING FILE: | 116893 |

FIGURE 3

893SA1

# TABLE 4
## GROUNDWATER LABORATORY ANALYTICAL RESULTS
### Mobil Oil Terminal 48-010
### Green Bay, Wisconsin

| Well Number | Sample Date | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Total Trimethyl-benzenes | Vinyl Chloride | 1,2-DCA | TCE | PCE | Naphthalene | 1-Methyl-naphthalene | 2- Methyl-naphthalene | cis-1,2-Dichloroethene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-1 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | **22.3** | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <25 | <25 | <25 | <25 | **<25** | <50 | <25 | <25 | <25 | <25 | <25 | ---- | ---- | <25 |
| | 3/2-3/94 | ND | ND | ND | ND | **18** | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | **1** | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | **4.6** | **1.1** | **3.2** | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <0.20 | <0.20 | <0.20 | <0.50 | **2.5** | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | **2.4** | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | **0.4** | <0.90 | **1.0** | **0.4** | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | **1.3** | <0.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/30/98-10/1/98 | <0.13 | <0.20 | <0.22 | <0.23 | **1.9** | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/1/98 | <0.41 | <0.38 | <0.43 | <1.4 | **1.6** | **0.49** | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | <0.13 | <0.20 | <0.22 | <0.23 | **1.1** | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | <0.13 | <0.20 | <0.22 | <0.23 | **1.4** | <0.51 | ---- | ---- | ---- | ---- | <0.22 | <0.40 | <0.61 | ---- |
| | 9/8/99 | <0.13 | <0.20 | <0.22 | 0.62 | **2.0** | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | <0.13 | <0.20 | <0.22 | <0.23 | **1.6** | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | <0.10 | <0.25 | <0.25 | **1.0** | <0.20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-2 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ---- | ---- | <0.5 |
| | 3/2-3/94 | ND | ND | ND | ND | ND | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | ND | ---- | ---- | ---- | | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | **0.3** | **1.4** | <0.2 | **2.0** | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/8/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-3 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ---- | ---- | <0.5 |
| | 3/2-3/94 | ND | ND | ND | ND | ND | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | <0.2 | **0.8** | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/8/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | **0.11** | <0.25 | <0.25 | <0.25 | <0.20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-4 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/98 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ---- | ---- | <0.5 |
| | 3/2-3/94 | ND | ND | ND | ND | ND | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | <0.2 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.20 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.20 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/17/98 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | DUP | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/30/98-10/1/98 | <0.13 | **0.7** | <0.22 | **0.29** | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/1/98 | <0.41 | <0.38 | <0.43 | <1.4 | <0.41 | <1.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | **0.39** | **0.73** | <0.22 | **0.29** | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | <0.22 | <0.40 | <0.61 | ---- |
| | 9/8/99 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | <0.13 | <0.20 | <0.22 | <0.23 | **0.45** | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| **NR 140 Standards** | | | | | | | | | | | | | | | |
| ES | | 5 | 1,000 | 700 | 10,000 | 60 | 480 | 0.2 | 5 | 5 | 5 | 40 | N/A | N/A | 70 |
| PAL | | 0.5 | 200 | 140 | 1,000 | 12 | 96 | 0.02 | 0.5 | 0.5 | 0.5 | 8 | N/A | N/A | 7 |

Rev 1/4/00CMC

**TABLE 4**
**GROUNDWATER LABORATORY ANALYTICAL RESULTS**
**Mobil Oil Terminal 48-010**
**Green Bay, Wisconsin**

| Well Number | Sample Date | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Total Trimethyl-benzenes | Vinyl Chloride | 1,2-DCA | TCE | PCE | Naphthalene | 1-Methyl-naphthalene | 2- Methyl-naphthalene | cis-1,2-Dichloroethene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-5 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1.0 | <0.5 | <0.5 | <0.5 | <0.1 | <0.1 | ---- | ---- | <0.5 |
| | 3/2-3/94 | ND | ND | ND | ND | 1.0 | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | <0.2 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | <0.20 | <0.20 | 0.6 | 1.7 | <0.20 | 0.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/17/98 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/30/98-10/1/98 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | <0.22 | <0.41 | <0.61 | ---- |
| | 9/8/99 | 0.19 | 0.26 | 0.62 | 2.0 | <0.16 | 1.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | <0.13 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | <0.46 | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | ---- | ---- | ---- | ---- | <0.25 | ---- | ---- | ---- |
| W-6 | 5/5/92 | 23,000 | 22,000 | 2,500 | 13,500 | 9,400 | ---- | ND | 220 | ND | ND | 740 | ---- | ---- | ND |
| W-7 | 2/12-13/91 | 3.34 | <1.00 | <1.00 | 24.7 | <6.00 | ---- | 1.2 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | 2.23 |
| | 5/20-22/92 | 7 | <1 | <1 | 2 | <1 | 1 | 5 | <1 | <1 | <1 | <1 | ---- | ---- | 1 |
| | 3/2-3/94 | 2 | ND | ND | 4 | 2 | ---- | 2 | ND | 2 | 1 | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | 5.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | 10 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | 5.3 |
| | 3/19/97 | 2.3 | <0.20 | <0.20 | <0.50 | 3.7 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 2.3 | <0.20 | <0.20 | <0.50 | 0.9 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | 1.8 | <0.20 | 0.3 | <0.90 | <0.20 | 0.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | 1.8 | <0.20 | <0.30 | <0.90 | 0.2 | 0.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | 0.3 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/17/98 | 1.5 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/30/98-10/1/98 | 1.3 | 0.44 | <0.25 | 0.33 | <0.25 | 0.27 | <0.25 | <0.25 | <0.25 | <0.25 | <0.10 | ---- | ---- | 0.5 |
| | 12/1/98 | 0.43 | <0.38 | <0.43 | <1.4 | <0.41 | <1.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | <0.10 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | <0.25 | <0.25 | <0.25 | <0.25 | <0.10 | ---- | ---- | <0.25 |
| | 6/21/99 | 0.89 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | <0.22 | <0.40 | <0.61 | ---- |
| | 9/8/99 | 1.6 | 0.21 | <0.22 | 0.37 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | <0.13 | <0.20 | <0.22 | 0.24 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | <0.10 | 0.33 | <0.25 | <0.25 | 1.0 | <0.20 | ---- | ---- | ---- | ---- | <0.25 | ---- | ---- | ---- |
| W-8 | 2/12-13/91 | 519 | 13.6 | 190 | 351 | 70.3 | ---- | <5.00 | <5.00 | <5.00 | <5.00 | ---- | ---- | ---- | <5.00 |
| | 5/20-22/92 | 410 | <50 | 76 | 140 | 350 | 196 | <50 | <50 | <50 | <50 | <50 | ---- | ---- | <50 |
| | 3/2-3/94 | 200 | ND | 32 | 51 | 140 | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | 81 | 0.6 | 4.7 | 14.2 | 25 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | 27 | 0.4 | <0.2 | 1.7 | 26 | 6.5 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | 27 | 6.1 | 2.4 | 6.5 | 35 | 8.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 22 | 1.2 | 0.6 | 1.2 | 23 | 0.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | 25 | 1.4 | 0.3 | 0.9 | 28 | 0.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | 18 | 2.8 | 0.4 | 2.1 | 33 | 1.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | 4.3 | <0.20 | <0.20 | 0.3 | 5.5 | <0.90 | <0.50 | <0.20 | <0.30 | <0.60 | <1.1 | ---- | ---- | <0.20 |
| | DUP | 4.6 | 0.2 | <0.20 | <0.80 | 5.9 | <0.90 | <0.50 | <0.20 | <0.30 | <0.60 | <1.1 | ---- | ---- | <0.20 |
| | 6/17/98 | 18 | <0.20 | <0.10 | 0.20 | 27 | <0.30 | <0.30 | <0.20 | <0.20 | <0.20 | <0.10 | ---- | ---- | <0.20 |
| | 9/30/98-10/1/98 | 8.7 | 0.55 | 0.24 | 1 | 18 | 0.46 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/1/98 | 14 | 1.1 | <0.43 | <1.4 | 38 | 0.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | 3.1 | 0.55 | <0.44 | 1.1 | 12 | 0.49 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | 6.0 | <0.20 | <0.22 | 1.1 | 7.1 | 0.67 | ---- | ---- | ---- | ---- | <0.22 | 3.2 | 1.1 | ---- |
| | 9/8/99 | 5.8 | <0.58 M | <0.22 | 1.1 | 9.6 | 0.72 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | 3.1 | <0.20 | <0.22 | 0.96 | 4.7 | 0.45 | ---- | ---- | ---- | ---- | 0.55 | ---- | ---- | ---- |
| | 10/25/00 | 5.5 | <0.20 | <0.50 | <0.50 | 12 | <0.40 | ---- | ---- | ---- | ---- | <0.50 | ---- | ---- | ---- |
| **NR 140 Standards** | | | | | | | | | | | | | | | |
| ES | | 5 | 1,000 | 700 | 10,000 | 60 | 480 | 0.2 | 5 | 5 | 5 | 40 | N/A | N/A | 70 |
| PAL | | 0.5 | 200 | 140 | 1,000 | 12 | 96 | 0.02 | 0.5 | 0.5 | 0.5 | 8 | N/A | N/A | 7 |

Rev 1/4/00CMD

**TABLE 4**
**GROUNDWATER LABORATORY ANALYTICAL RESULTS**
**Mobil Oil Terminal 48-010**
**Green Bay, Wisconsin**

| Well Number | Sample Date | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Total Trimethyl-benzenes | Vinyl Chloride | 1,2-DCA | TCE | PCE | Naphthalene | 1-Methyl-naphthalene | 2-Methyl-naphthalene | cis-1,2-Dichloroethene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-9 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | 1.86 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <0.5 | <0.5 | <0.5 | <0.5 | 0.8 | ---- | <0.5 | 0.9 | <0.5 | <0.5 | <0.5 | ---- | ---- | <0.5 |
| | 3/2-3/94 | ND | ND | ND | ND | ND | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | <0.2 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | 1.8 | 0.9 | 4.2 | 10.3 | <0.30 | 4.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | 0.2 | <0.50 | <0.30 | 0.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/17/98 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/21/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/8/99 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-10 | 2/12-13/91 | 18.2 | 5.06 | 1.9 | 20.0 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | 340 | 120 | 280 | 1,100 | <100 | 630 | <100 | <100 | <100 | <100 | <100 | ---- | ---- | <100 |
| | 3/2-3/94 | 15 | 9 | 39 | 118 | ND | ---- | ND | ND | ND | ND | 7 | ---- | ---- | ND |
| | 12/5-6/95 | 240 | 84 | 393 | 1,250 | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | 159 | 90 | 328 | 777 | <4.0 | 511 | <6.0 | <4.0 | <4.0 | <6.0 | 25 | ---- | ---- | <4.0 |
| | 3/19/97 | 600 | 240 | 750 | 2,130 | <15 | 980 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 300 | 140 | 440 | 1,455 | <15 | 670 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | 270 | 120 | 350 | 995 | <10 | 455 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | 150 | 60 | 210 | 220 | <1.0 | 158 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | 600 | 280 | 900 | 2,930 | <10 | 1,280 | <25 | <10 | <15 | <30 | 140 | ---- | ---- | <10 |
| | 6/17/98 | 420 | 85 | 320 | 638 | <7.5 | 430 | <7.5 | <5.0 | <5.0 | <5.0 | 52 | ---- | ---- | <5.0 |
| | 9/30/98-10/1/98 | 59 | 44 | 160 | 360 | <2.5 | 211 | <2.5 | <2.5 | <2.5 | <2.5 | 19 | ---- | ---- | <2.5 |
| | DUP | 69 | 49 | 180 | 380 | <3.2 | 211 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/1/98 | 15 | 12 | 32 | 67 | <0.41 | 64 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | DUP | 16 | 12 | 34 | 70 | <0.41 | 65 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | 250 | 180 | 550 | 1,700 | <5.0 | 900 | <5.0 | <5.0 | <5.0 | <5.0 | 92 | ---- | ---- | <5.0 |
| | DUP | 250 | 200 | 610 | 1,900 | <5.0 | 970 | <5.0 | <5.0 | <5.0 | <5.0 | 98 | ---- | ---- | <5.0 |
| | 6/21/99 | 370 | 240 | 710 | 2,600 | <3.2 | 1,090 | ---- | ---- | ---- | ---- | 120 | 19 | 9.9 | ---- |
| | DUP | 340 | 210 | 610 | 2,200 | <3.2 | 920 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/8/99 | 260 | 170 | 500 | 1,400 | <3.2 | 720 | ---- | ---- | ---- | ---- | 94 | 19 | 6.0 | ---- |
| | DUP | 270 | 170 | 520 | 1,500 | <3.2 | 780 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | 40 | 28 | 110 | 340 | <2.1 M | 212 | ---- | ---- | ---- | ---- | 18 | ---- | ---- | ---- |
| | DUP | 67 | 49 | 200 | 580 | <3.0 M | 373 | ---- | ---- | ---- | ---- | <0.46 | ---- | ---- | ---- |
| | 10/25/00 | 75 | 61 | 290 | 430 | <1.0 | 424 | ---- | ---- | ---- | ---- | 15 | ---- | ---- | ---- |
| | DUP | 69 | 47 | 220 | 310 | <2.5 | 322 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-11 | 2/12-13/91 | 577 | 16.5 | <5.00 | 147 | <30.0 | ---- | <5.00 | <5.00 | <5.00 | <5.00 | ---- | ---- | ---- | <5.00 |
| | 5/20-22/92 | 11 | 0.5 | 2 | 2 | <0.5 | 0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | ---- | ---- | <0.5 |
| | 12/5-6/95 | 9.8 | ND | ND | ND | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | <0.2 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 6/25/97 | 12 | 0.4 | 1.5 | 2.2 | <0.30 | 1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | 4.0 | 2.7 | 9.6 | 29.3 | <0.20 | 9.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | 2.3 | <0.20 | 0.4 | <0.90 | <0.20 | 0.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/25/98 | 0.3 | <0.20 | 0.3 | 1.3 | <0.20 | 0.6 | <0.50 | <0.20 | <0.30 | <0.60 | <1.1 | ---- | ---- | <0.20 |
| | 6/17/98 | 4.2 | <0.20 | 0.3 | <0.30 | <0.30 | <0.30 | <0.30 | <0.20 | <0.20 | <0.20 | <0.10 | ---- | ---- | <0.20 |
| | 9/30/98-10/1/98 | 4.5 | 0.57 | 0.36 | 1.1 | <0.25 | 0.32 | <0.25 | <0.25 | <0.25 | <0.25 | <0.10 | ---- | ---- | <0.25 |
| | 12/1/98 | 14 | 1.1 | 1.1 | 2.4 | <0.41 | 0.44 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 3/18/99 | 1.0 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | <0.25 | <0.25 | <0.25 | <0.25 | <0.10 | ---- | ---- | <0.25 |
| | 6/21/99 | 5.7 | 0.81 | 1.2 | 1.1 | <0.16 | 0.36 | ---- | ---- | ---- | ---- | <0.22 | <0.40 | <0.60 | ---- |
| | 9/8/99 | 0.84 | <0.20 | <0.22 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 4/19/00 | 2.0 | <0.20 | 0.31 | <0.23 | <0.16 | <0.51 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | 0.25 | <0.10 | <0.25 | <0.25 | <0.25 | <0.20 | ---- | ---- | ---- | ---- | <0.25 | ---- | ---- | ---- |
| **NR 140 Standards** | | | | | | | | | | | | | | | |
| ES | | 5 | 1,000 | 700 | 10,000 | 60 | 480 | 0.2 | 5 | 5 | 5 | 10 | N/A | N/A | 70 |
| PAL | | 0.5 | 200 | 140 | 1,000 | 12 | 96 | 0.02 | 0.5 | 0.5 | 0.5 | 8 | N/A | N/A | 7 |

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# TABLE 4
## GROUNDWATER LABORATORY ANALYTICAL RESULTS
### Mobil Oil Terminal 48-010
### Green Bay, Wisconsin

| Well Number | Sample Date | Benzene | Toluene | Ethyl-benzene | Total Xylenes | MTBE | Total Trimethyl-benzenes | Vinyl Chloride | 1,2-DCA | TCE | PCE | Naphthalene | 1-Methyl-naphthalene | 2-Methyl-naphthalene | cis-1,2-Dichloroethene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-12 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | 32 | <5 | <5 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | ---- | ---- | <5 |
| | 3/2-3/94 | ND | ND | ND | ND | 10 | ---- | ND | ND | ND | ND | ND | ---- | ---- | ND |
| | 12/5-6/95 | ND | ND | ND | ND | 5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | 1.7 | 0.7 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | <0.30 | <0.70 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | <0.20 | <0.20 | <0.30 | <0.90 | <0.20 | 0.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | 2.0 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| W-13 | 2/12-13/91 | <1.00 | <1.00 | <1.00 | <3.00 | <6.00 | ---- | <1.00 | <1.00 | <1.00 | <1.00 | ---- | ---- | ---- | <1.00 |
| | 5/20-22/92 | <0.5 | <0.5 | <0.5 | <0.5 | 3 | <1 | <0.5 | <0.5 | <0.5 | <0.5 | | ---- | ---- | <0.5 |
| | 3/2-3/94 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5-6/95 | ND | ND | ND | ND | ND | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | <0.2 | <0.2 | <0.2 | <0.6 | 0.9 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 6/25/97 | <0.20 | <0.20 | <0.20 | <0.50 | 1.9 | 0.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 9/22/97 | 0.6 | 0.5 | 2 | 5.8 | 1.9 | 1.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/17/97 | <0.20 | <0.20 | <0.30 | <0.90 | 2.3 | <0.60 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| RS-1 | 12/6/95 | 201 | ND | 14 | 2.5 | 299 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | 706 | 184 | 14 | 1835 | 514 | 660 | <7.5 | <5.0 | <5.0 | <7.5 | 110 | ---- | ---- | <5.0 |
| | 3/19/97 | 120 | 3.5 | 4.0 | 49 | 120 | 20 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 200 | <4.0 | 10 | 78 | 240 | 62 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | 47 | 0.28 | <0.50 | 1.2 | 160 | 2.4 | ---- | ---- | ---- | ---- | <0.50 | ---- | ---- | ---- |
| RS-2 | 12/6/95 | 112 | ND | 0.4 | ND | 97 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | 0.6 | <0.2 | <0.2 | <0.6 | <0.2 | <1.1 | <0.3 | <0.2 | <0.2 | <0.3 | <0.8 | ---- | ---- | <0.2 |
| | 3/19/97 | <2.0 | <2.0 | <2.0 | <5.0 | 280 | <7.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 1.4 | <0.20 | 0.7 | <0.50 | 120 | 0.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | 9.1 | <0.10 | <0.25 | <0.25 | 49 | 0.24 | ---- | ---- | ---- | ---- | <0.25 | ---- | ---- | ---- |
| RW-3 (RS-3) | 12/6/95 | 15 | ND | 2.9 | ND | 0.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 12/5/96 | 40 | 2.3 | 16 | 32.9 | 2.2 | 35.8 | <0.3 | <0.2 | <0.2 | <0.3 | 9.3 | ---- | ---- | <0.2 |
| | 3/19/97 | 45 | 2.6 | 18 | 39.1 | 5.8 | 15.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 6/25/97 | 50 | 1.1 | 41 | 57.8 | 3.9 | 46.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | 10/25/00 | 3.0 | <0.10 | <0.25 | <0.25 | 0.91 | <0.20 | ---- | ---- | ---- | ---- | <0.25 | ---- | ---- | ---- |
| NR 140 Standards | | | | | | | | | | | | | | | |
| ES | | 5 | 1,000 | 700 | 10,000 | 60 | ---- | 0.2 | 5 | 5 | 5 | 40 | N/A | N/A | 70 |
| PAL | | 0.5 | 200 | 140 | 1,000 | 12 | 96 | 0.02 | 0.5 | 0.5 | 0.5 | 8 | N/A | N/A | 7 |

**Notes:**
**Results reported in micrograms per liter (µg/l) or parts per billion (ppb).**
---- Not analyzed for parameter.
ND - Not detected above the laboratory method detection limit.
MTBE - Methyl tert-butyl ether.
Total Trimethylbenzene - 1,2,4- and 1,3,5-trimethylbenzene combined.
1,2-DCA - 1,2-Dichloroethane.
TCE - Trichloroethylene.
PCE - Tetrachloroethylene.

ES - Enforcement Standard.
PAL - Preventive Action Limit.

Rev 1/4/00CMD

**TABLE 2**
**POST-REMEDIAL SOIL LABORATORY ANALYTICAL RESULTS**
Mobil Oil Terminal 48-010
Green Bay, Wisconsin

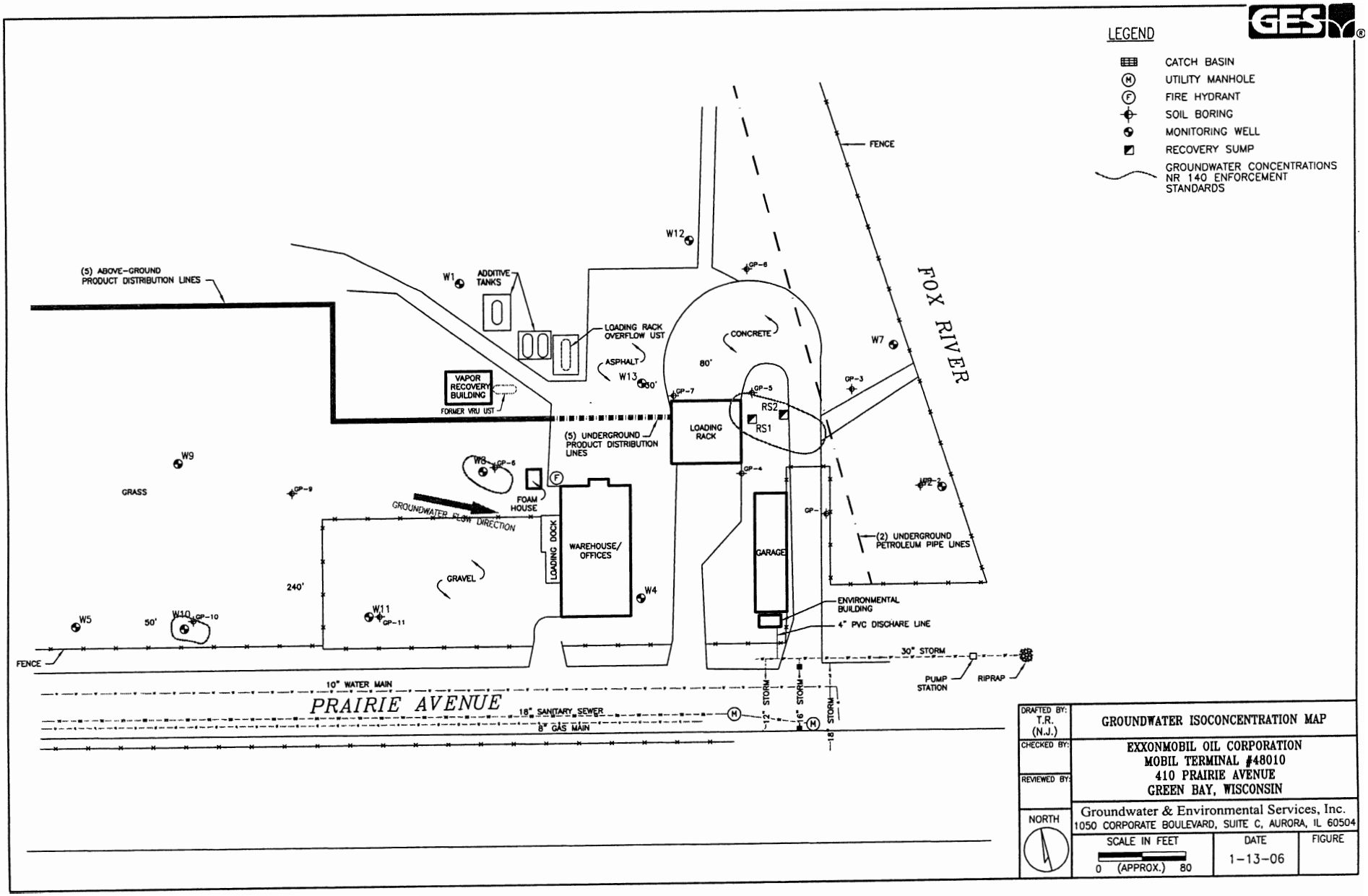
| Sample Identification | Sample Date | Sample Depth (feet) | Headspace Reading (IUs) | Percent Total Solids | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl-benzene (µg/kg) | Total Xylenes (µg/kg) | MTBE (µg/kg) | 1,2,4 Trimethyl-benzene (µg/kg) | 1,3,5 Trimethyl-benzene (µg/kg) | DRO** (mg/kg) | GRO (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-1 | 11/16/00 | 0-2 | 12.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 17.7 | 57.0 | <53 | <53 | <53 | <160 | <53 | <53 | <53 | 110 | <11 |
| | | 4-6 | 3.7 | 85.4 | <29 | <29 | <29 | <88 | <29 | <29 | <29 | <5.9 | <5.9 |
| | | 6-8 | 5.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-2 | 11/16/00 | 0-2 | 11.9 | 87.0 | <29 | <29 | <29 | <86 | <29 | <29 | <29 | 22 | <5.7 |
| | | 2-4 | 4.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 4-6 | 5.1 | 82.0 | <30 | <30 | <30 | <91 | <30 | <30 | <30 | 21 | <6.1 |
| | | 6-8 | 6.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-3 | 11/16/00 | 0-2 | 4.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 131.6 | 87.7 | <137 | <137 | <137 | <433 | <137 | 251 | <137 | 2,960 | 88 H |
| | | 4-6 | 34.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 6-8 | 5.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-4 | 11/17/00 | 0-2 | 14.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 5.1 | 87.7 | <29 | 30 | <29 | <86 | <29 | <29 | <29 | 1,370 H | <5.7 |
| | | 4-6 | 9.1 | 71.2 | <35 | <35 | <35 | <110 | <35 | <35 | <35 | 80 H | <7.0 |
| | | 6-8 | 25.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 8-10 | 22.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-5 | 11/17/00 | 0-2 | 5.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 46.0 | 88.1 | 136 | 57 | 272 | 318 | <28 | 284 | <28 | 100 H | 6.5 |
| | | 4-6 | 46.4 | 48.0 | 60 | <52 | <52 | <160 | 229 | <52 | 58 | 48 | <10 |
| | | 6-8 | 16.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 8-10 | 8.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 10-12 | 16.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 12-14 | 5.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 14-16 | 11.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-6 | 11/17/00 | 0-2 | 1.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 4.3 | 85.9 | <29 | <29 | <29 | <87 | <29 | <29 | <29 | 10 | <5.8 |
| | | 4-6 | 11.9 | 73.0 | <34 | <34 | <34 | <100 | <34 | <34 | <34 | 18 | <6.8 |
| | | 6-8 | 2.4 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-7 | 11/17/00 | 0-2 | 3.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 24.6 | 90.6 | 84 | 265 | 309 | 1,030 | <28 | 695 | 143 | 740 H | 78 H |
| | | 4-6 | 158.4 | 68.4 | 1,750 | <175 | 7,020 | 7,460 | <175 | 12,400 | 4,090 | 336 | 439 H |
| | | 6-8 | 684.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 8-10 | 452.7 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 10-12 | 6.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| NR 720 Generic RCL | | | | | 5.5 | 1,500 | 2,900 | 4,100 | NA | NA | NA | 100 | 100 |

Note:
---- Parameter not analyzed for compound indicated.
IUs - Instrument Units (calibrated to 100 parts per million isobutylene).
µg/kg - Micrograms per kilogram.
mg/kg - Milligrams per kilogram.
MTBE- Methyl tert-butyl ether.
DRO - Diesel Range Organics, WI Modified DRO Method.
GRO - Gasoline Range Organics, WI Modified GRO Method.
RCL - Residual Contaminant Level based on protection of groundwater.
H - Late eluting hydrocarbons present.
*- Methanol preservative leaked, had to be analyzed as TPH-GRO
** - DRO analyzed as TPH-DRO

**TABLE 2**
**POST-REMEDIAL SOIL LABORATORY ANALYTICAL RESULTS**
Mobil Oil Terminal 48-010
Green Bay, Wisconsin

| Sample Identification | Sample Date | Sample Depth (feet) | Headspace Reading (IUs) | Percent Total Solids | Benzene (µg/kg) | Toluene (µg/kg) | Ethyl-benzene (µg/kg) | Total Xylenes (µg/kg) | MTBE (µg/kg) | 1,2,4 Trimethyl-benzene (µg/kg) | 1,3,5 Trimethyl-benzene (µg/kg) | DRO** (mg/kg) | GRO (mg/kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GP-8 | 11/17/00 | 0-2 | 4.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 205.6 | 85.7 | <29 | <29 | <29 | <88 | <29 | <29 | <29 | <5.8 | <5.8 * |
| | | 4-6 | 92.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 6-8 | 10.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 8-10 | 9.3 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 10-12 | 17.6 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-9 | 11/17/00 | 0-2 | 6.0 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 1,999 | 90.3 | 59 | 255 | 166 | 498 | <28 | 399 | 188 | 642 | 53 H |
| | | 4-6 | 1,999 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 6-8 | 617.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 8-10 | 1,999 | 80.4 | 14,900 | <1490 | 16,200 | 32,300 | <1490 | 39,800 | 14,900 | 10,400 | 2,240 H |
| | | 10-12 | 17.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 12-14 | 194.5 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 14-16 | 144.2 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-10 | 11/17/00 | 0-2 | 19.1 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 1,999 | 77.1 | <713 | <713 | 4,930 | 12,600 | <713 | 14,300 | 4,410 | 1,690 | 869 H |
| | | 4-6 | 652.8 | 81.6 | 3,430 | <306 | 5,150 | 12,300 | <306 | 14,700 | 5,510 | 147 | 404 H |
| | | 6-8 | 27.9 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| GP-11 | 11/17/00 | 0-2 | ---- | | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| | | 2-4 | 1,999 | 82.6 | 26,600 | <1450 | 38,700 | 20,600 | <1450 | 50,800 | 15,700 | 5,930 | 4,120 H |
| | | 4-6 | 783.7 | 83.2 | 10,100 | <1440 | 14,400 | 8,050 | <1440 | 21,600 | 7,090 | 2,520 | 1,440 H |
| | | 6-8 | 113.8 | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- |
| NR 720 Generic RCL | | | | | 5.5 | 1,500 | 2,900 | 4,100 | NA | NA | NA | 100 | 100 |

Note:
---- Parameter not analyzed for compound indicated.
IUs - Instrument Units (calibrated to 100 parts per million isobutylene).
µg/kg - Micrograms per kilogram.
mg/kg - Milligrams per kilogram.
MTBE- Methyl tert-butyl ether.
DRO - Diesel Range Organics, WI Modified DRO Method.
GRO - Gasoline Range Organics, WI Modified GRO Method.
RCL - Residuall Contaminant Level based on protection of groundwater.
H - Late eluting hydrocarbons present.
* - Methanol preservative leaked, had to be analyzed as TPH-GRO
** - DRO analyzed as TPH-DRO

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# TABLE 3
## GROUNDWATER ELEVATION AND NATURAL ATTENUATION PARAMETERS
## Mobil Oil Terminal 48-010
## Green Bay, Wisconsin

| WELL NUMBER | DATE | TOC ELEVATIONS (feet) | TOTAL DEPTH (feet bgs) | DEPTH TO GROUNDWATER (feet below TOC) | GROUNDWATER ELEVATION (feet) | CONDUCTIVITY (µmho) | TEMPERATURE (°F) | pH | DISSOLVED OXYGEN (mg/L) | ORP (Mv) | NITRATE* (mg/L) | SULFATE* (mg/L) | DISSOLVED MANGANESE* (mg/L) | ALKALINITY* (mg/L) | DISSOLVED IRON* (mg/L) | TOTAL IRON* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-1 | 11/16/96 | 586.45 | 13.40 | 4.78 | 581.67 | | | | | | | | | | | |
| | 12/5/96 | | | 4.58 | 581.87 | | | | | | | | | | | |
| | 3/19/97 | | | 3.65 | 582.80 | | | | | | | | | | | |
| | 6/25/97 | | | 3.66 | 582.79 | | | | | | | | | | | |
| | 9/22/97 | | | 3.00 | 583.45 | | | | | | | | | | | |
| | 12/17/97 | | | 4.70 | 581.75 | | | | | | | | | | | |
| | 3/25/98 | | | 2.45 | 584.00 | | | | | | | | | | | |
| | 6/17/98 | | | 4.64 | 581.81 | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | 13.45 | 4.50 | 581.95 | 3,430 | 54.5 | 8.50 | — | — | <0.055 | 98 | 0.96 | 1030 | 2.7 | 4.8 |
| | 12/1/98 | | | 4.36 | 582.09 | 2,130 | 53.2 | 7.35 | 0.18 | +050 | 0.11 | 75 | 0.91 | 1050 | 0.38 | 1.2 |
| | 3/18/99 | | | 3.40 | 583.05 | 1,730 | 45.1 | 7.04 | 0.28 | — | <0.055 | 100 | 0.89 | 1360 | 2.6 | 3.0 |
| | 6/21/99 | | | 3.93 | 582.52 | 1,340 | 70.0 | 6.65 | 0.67 | — | 0.12 | 86 | 1.4 | 1070 | 0.11 | 0.94 |
| | 9/8/99 | | 13.47 | 6.26 | 580.19 | 1,440 | 83.7 | 5.98 | 0.45 | -250 | <0.055 | 69 | 1.6 | 880 | 7.2 | 11 |
| | 4/19/00 | | 13.47 | 4.99 | 581.46 | 992 | 44.6 | 7.12 | 1.52 | — | <0.20 | 120 | 1.6 | 940 | 11 | 21 |
| | 10/25/00 | | 13.46 | 5.63 | 580.82 | 1,203 | 58.5 | 7.73 | 1.32 | — | 0.65 | 100 | 2.0 | 990 | 14 | 17 |
| W-2 | 11/16/96 | 586.48 | 13.20 | 6.29 | 580.19 | | | | | | | | | | | |
| | 12/5/96 | | | 5.75 | 580.73 | | | | | | | | | | | |
| | 3/19/97 | | | 5.49 | 580.99 | | | | | | | | | | | |
| | 6/25/97 | | | 5.03 | 581.45 | | | | | | | | | | | |
| | 9/22/97 | | | 4.98 | 581.50 | | | | | | | | | | | |
| | 12/17/97 | | | 6.44 | 580.04 | | | | | | | | | | | |
| | 3/25/98 | | | 5.54 | 580.94 | | | | | | | | | | | |
| | 6/17/98 | | | 5.91 | 580.57 | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | | 6.90 | 579.58 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 8.20 | 578.28 | — | — | — | 2.14 | -018 | — | — | — | — | — | — |
| | 3/18/99 | | | 8.16 | 578.32 | — | — | — | — | — | — | — | — | — | — | — |
| | 6/21/99 | | | 7.88 | 578.60 | — | — | — | 0.60 | — | — | — | — | — | — | — |
| | 9/8/99 | | | 8.40 | 578.08 | — | 61.9 | — | 0.74 | -105 | — | — | — | — | — | — |
| | 4/19/00 | | | 9.15 | 577.33 | — | 45.7 | — | 1.58 | — | — | — | — | — | — | — |
| | 10/25/00 | | 13.11 | 8.99 | 577.49 | 1,093 | 57.5 | 8.15 | 0.76 | — | — | — | — | — | — | — |
| W-3 | 11/16/96 | 587.72 | 13.70 | 6.98 | 580.74 | | | | | | | | | | | |
| | 12/5/96 | | | 6.40 | 581.32 | | | | 3.00 | | ND | 18 | 0.08 | | 13.9 | |
| | 3/19/97 | | | 5.81 | 581.91 | | | | 4.00 | -060 | ND | 77 | 1.31 | | 16.2 | |
| | 6/25/97 | | | 5.60 | 582.12 | | | | | | | | | | | |
| | 9/22/97 | | | 5.47 | 582.25 | | | | 1.80 | -136 | 0.3 | 82.3 | 0.782 | | 4.17 | |
| | 12/17/97 | | | 7.05 | 580.87 | | | | | | | | | | | |
| | 3/25/98 | | | 6.01 | 581.71 | | | | | | | | | | | |
| | 6/17/98 | | | 6.30 | 581.42 | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | 13.70 | 6.70 | 581.02 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 8.21 | 579.51 | — | — | — | 0.28 | -058 | — | — | — | — | — | — |
| | 3/18/99 | | | 8.31 | 579.41 | — | — | — | — | — | — | — | — | — | — | — |
| | 6/21/99 | | | 8.01 | 579.71 | — | — | — | 0.64 | — | — | — | — | — | — | — |
| | 9/8/99 | | | 8.63 | 579.09 | — | 59.9 | — | 0.42 | -205 | — | — | — | — | — | — |
| | 4/19/00 | | | 9.09 | 578.83 | — | 45.7 | — | 1.25 | — | — | — | — | — | — | — |
| | 10/25/00 | | 13.67 | 9.26 | 578.46 | 839 | 57.5 | 8.04 | 0.92 | — | — | — | — | — | — | — |

NOTES:
* - Parameters were analyzed by the laboratory
TOC - Top of casing.
bgs - Below ground surface.
mg/l - Milligrams per liter.
ORP - Oxidation Reduction Potential, measured in millivolts (Mv).
— Parameter not analyzed / measured.
ND - Not Detected

Rev 1:4/00CMD

# TABLE 3
## GROUNDWATER ELEVATION AND NATURAL ATTENUATION PARAMETERS
## Mobil Oil Terminal 48-010
## Green Bay, Wisconsin

| WELL NUMBER | DATE | TOC ELEVATIONS (feet) | TOTAL DEPTH (feet bgs) | DEPTH TO GROUNDWATER (feet below TOC) | GROUNDWATER ELEVATION (feet) | CONDUCTIVITY (µmho) | TEMPERATURE (°F) | pH | DISSOLVED OXYGEN (mg/L) | ORP (Mv) | NITRATE* (mg/L) | SULFATE* (mg/L) | DISSOLVED MANGANESE* (mg/L) | ALKALINITY* (mg/L) | DISSOLVED IRON* (mg/L) | TOTAL IRON* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-4 | 11/16/96 | 586.13 | 13.40 | 6.00 | 580.13 | | | | | | | | | | | |
| | 12/5/96 | | | 6.08 | 580.05 | | | | | | | | | | | |
| | 3/19/97 | | | --- | --- | | | | | | | | | | | |
| | 6/25/97 | | | 4.80 | 581.33 | | | | | | | | | | | |
| | 9/22/97 | | | 4.59 | 581.54 | | | | | | | | | | | |
| | 12/17/97 | | | 5.93 | 580.20 | | | | | | | | | | | |
| | 3/25/98 | | | 3.34 | 582.79 | 2,180 | 46.4 | 7.35 | 7.10 | +043 | 0.7 | 30.7 | 0.0197 | | <0.020 | |
| | 6/17/98 | | | 5.50 | 580.63 | 2,550 | 61.5 | 7.13 | 5.10 | +010 | 0.7 | 49.4 | 0.0521 | | <0.020 | |
| | 9/30/98-10/1/98 | | 13.30 | 5.55 | 580.58 | 5,580 | 58.0 | 9.28 | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/1/98 | | | 5.80 | 580.33 | 2,960 | 56.0 | 8.07 | 4.36 | +017 | --- | --- | --- | --- | --- | --- |
| | 3/18/99 | | | 4.94 | 581.19 | 4,790 | 48.0 | 7.07 | 6.11 | --- | --- | --- | --- | --- | --- | --- |
| | 6/21/99 | | | 5.11 | 581.02 | 4,460 | 65.8 | 6.65 | 1.84 | --- | --- | --- | --- | --- | --- | --- |
| | 9/8/99 | | 13.35 | 5.98 | 580.15 | 4,350 | 66.7 | 6.15 | 0.72 | 152 | --- | --- | --- | --- | --- | --- |
| | 4/19/00 | | 13.36 | 4.59 | 581.54 | 4,040 | 48.0 | 6.21 | 2.92 | --- | --- | --- | --- | --- | --- | --- |
| | 10/25/00 | | 13.35 | 5.95 | 580.18 | 3,670 | 82.6 | 7.02 | 1.12 | --- | --- | --- | --- | --- | --- | --- |
| W-5 | 11/16/96 | 586.57 | 13.20 | --- | --- | | | | | | | | | | | |
| | 12/5/96 | | | 4.52 | 582.05 | | | | 5.00 | | 0.11 | 97 | 2.1 | | 3.8 | |
| | 3/19/97 | | | 4.33 | 582.24 | | | | 7.20 | -023 | ND | 113 | 0.236 | | 6.13 | |
| | 6/25/97 | | | 4.72 | 581.85 | | | | | | | | | | | |
| | 9/22/97 | | | 4.32 | 582.25 | | | | 2.90 | +052 | ND | 74.4 | 0.311 | | 0.483 | |
| | 12/17/97 | | | 5.12 | 581.45 | | | | | | | | | | | |
| | 3/25/98 | | | 4.52 | 582.05 | 956 | 42.3 | 6.90 | 8.10 | +124 | 0.68 | 119 | 0.0268 | | <0.020 | |
| | 6/17/98 | | | 5.02 | 581.55 | 865 | 59.9 | 6.80 | 4.80 | -033 | 0.49 | 97.9 | 0.0019 | | <0.020 | |
| | 9/30/98-10/1/98 | | 12.35 | 4.95 | 581.62 | 1,780 | 61.0 | 8.90 | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/1/98 | | | 4.90 | 581.67 | | | | 5.53 | +207 | --- | --- | --- | --- | --- | --- |
| | 3/18/99 | | | 4.55 | 582.02 | 910 | 41.2 | 6.78 | 4.84 | --- | --- | --- | --- | --- | --- | --- |
| | 6/21/99 | | | 4.84 | 581.73 | 630 | 70.2 | 6.83 | 2.36 | --- | --- | --- | --- | --- | --- | --- |
| | 9/8/99 | | 12.35 | 7.02 | 579.55 | 750 | 62.8 | 6.46 | 0.52 | -082 | --- | --- | --- | --- | --- | --- |
| | 4/19/00 | | 12.35 | 4.96 | 581.61 | 619 | 44.8 | 7.61 | 3.31 | --- | --- | --- | --- | --- | --- | --- |
| | 10/25/00 | | 12.33 | 5.63 | 580.94 | 681 | 57.2 | 7.81 | 4.23 | --- | --- | --- | --- | --- | --- | --- |
| W-7 | 11/16/96 | 587.37 | 12.90 | 6.74 | 580.63 | | | | | | | | | | | |
| | 12/5/96 | | | 6.21 | 581.16 | | | | 2.00 | | 0.08 | 5 | 4.1 | | 12.1 | |
| | 3/19/97 | | | 5.75 | 581.62 | | | | 5.10 | -068 | ND | 21 | 0.34 | | 4.16 | |
| | 6/25/97 | | | 5.44 | 581.93 | | | | | | | | | | | |
| | 9/22/97 | | | 5.28 | 582.09 | | | | 0.90 | -082 | 0.2 | 55.2 | 0.074 | | 0.819 | |
| | 12/17/97 | | | 6.84 | 580.53 | | | | | | | | | | | |
| | 3/25/98 | | | 5.86 | 581.51 | 908 | 40.6 | 7.29 | 11.00 | +068 | 5.69 | 71.4 | 0.0199 | | 0.231 | |
| | 6/17/98 | | | 6.18 | 581.19 | 1,068 | 58.1 | 6.90 | 9.10 | +050 | <0.14 | 38.1 | 0.114 | | 1.58 | |
| | 9/30/98-10/1/98 | | | 6.82 | 580.55 | 2,490 | 54.2 | 10.33 | --- | --- | <0.055 | 38 | 0.25 | 590 | 6.4 | 8.9 |
| | 12/1/98 | | | 8.11 | 579.26 | 1,760 | 54.4 | 7.24 | 0.18 | -100 | <0.055 | 57 | 0.4 | 570 | 3.1 | 4 |
| | 3/18/99 | | | 8.20 | 579.17 | 1,360 | 53.7 | 6.61 | 0.20 | --- | <0.055 | 83 | 0.28 | 500 | 1.7 | 1.6 |
| | 6/21/99 | | | 7.90 | 579.47 | 1,100 | 69.6 | 6.55 | 0.81 | --- | <0.055 | 35 | 0.47 | 510 | 0.047 | 2.9 |
| | 9/8/99 | | 12.89 | 8.45 | 578.92 | 1,250 | 58.6 | 6.34 | 0.58 | -208 | <0.055 | 20 | 0.48 | 500 | 12 | 15 |
| | 4/19/00 | | 12.89 | 9.28 | 578.09 | 1,002 | 45.7 | 7.46 | 1.39 | --- | <0.20 | 4.5 | 0.54 | 400 | 6.9 | 7.0 |
| | 10/25/00 | | 12.86 | 9.14 | 578.23 | 1,109 | 57.2 | 7.96 | 0.66 | --- | <0.50 | 23 | 0.60 | 380 | 6.0 | 8.5 |

NOTES:
* - Parameters were analyzed by the laboratory
TOC - Top of casing.
bgs - Below ground surface.
mg/l - Milligrams per liter.
ORP - Oxidation Reduction Potential, measured in millivolts (Mv).
--- Parameter not analyzed / measured.
ND - Not Detected

# TABLE 3
## GROUNDWATER ELEVATION AND NATURAL ATTENUATION PARAMETERS
## Mobil Oil Terminal 48-010
## Green Bay, Wisconsin

| WELL NUMBER | DATE | TOC ELEVATIONS (feet) | TOTAL DEPTH (feet bgs) | DEPTH TO GROUNDWATER (feet below TOC) | GROUNDWATER ELEVATION (feet) | CONDUCTIVITY (umho) | TEMPERATURE (°F) | pH | DISSOLVED OXYGEN (mg/L) | ORP (Mv) | NITRATE* (mg/L) | SULFATE* (mg/L) | DISSOLVED MANGANESE* (mg/L) | ALKALINITY* (mg/L) | DISSOLVED IRON* (mg/L) | TOTAL IRON* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-11 | 11/16/96 | 585.46 | 12.90 | — | — | | | | | | | | | | | |
| | 12/5/96 | | | 3.71 | 581.75 | | | | | | | | | | | |
| | 3/19/97 | | | — | — | | | | | | | | | | | |
| | 6/25/97 | | | 3.46 | 582.00 | | | | | | | | | | | |
| | 9/22/97 | | | 3.36 | 582.10 | | | | | | | | | | | |
| | 12/17/97 | | | 4.25 | 581.21 | | | | | | | | | | | |
| | 3/25/98 | | | 3.25 | 582.21 | 705 | 42.3 | 7.07 | 5.10 | -045 | <0.14 | 79 | 0.259 | | 0.532 | |
| | 6/17/98 | | | 3.85 | 581.61 | 648 | 60.6 | 6.66 | 3.90 | -060 | 0.17 | 57.4 | 0.223 | | 1.64 | |
| | 9/30/98-10/1/98 | | | 3.71 | 581.75 | 1,430 | 59.0 | 9.60 | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 3.94 | 581.52 | 830 | 52.2 | 7.80 | 1.04 | +003 | — | — | — | — | — | — |
| | 3/18/99 | | | 3.50 | 581.96 | 660 | 41.1 | 6.68 | 7.20 | — | — | — | — | — | — | — |
| | 6/21/99 | | | 4.06 | 581.40 | 440 | 65.7 | 6.74 | 0.79 | — | — | — | — | — | — | — |
| | 9/8/99 | | 12.73 | 5.52 | 579.94 | 840 | 62.2 | 6.10 | 0.33 | -325 | — | — | — | — | — | — |
| | 4/19/00 | | 12.74 | 3.91 | 581.55 | 710 | 44.6 | 7.20 | 2.38 | — | — | — | — | — | — | — |
| | 10/25/00 | | 12.69 | 4.63 | 580.83 | 727 | 58.3 | 7.27 | 1.34 | — | — | — | — | — | — | — |
| W-12 | 11/16/96 | 585.72 | 13.40 | 4.99 | 580.73 | | | | | | | | | | | |
| | 12/5/96 | | | 4.20 | 581.52 | | | | | | | | | | | |
| | 3/19/97 | | | 3.17 | 582.55 | | | | | | | | | | | |
| | 6/25/97 | | | 3.65 | 582.07 | | | | | | | | | | | |
| | 9/22/97 | | | 3.48 | 582.24 | | | | | | | | | | | |
| | 12/17/97 | | | 5.12 | 580.60 | | | | | | | | | | | |
| | 3/25/98 | | | 3.50 | 582.22 | | | | | | | | | | | |
| | 6/17/98 | | | 4.68 | 581.04 | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | | 4.10 | 581.62 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 5.20 | 580.52 | — | — | — | 0.19 | +022 | — | — | — | — | — | — |
| | 3/18/99 | | | 4.59 | 581.13 | — | — | — | — | — | — | — | — | — | — | — |
| | 6/21/99 | | | 5.50 | 580.22 | — | — | — | 0.72 | — | — | — | — | — | — | — |
| | 9/8/99 | | | 6.82 | 578.90 | — | 64.8 | — | 0.08 | -136 | — | — | — | — | — | — |
| | 4/19/00 | | | 6.01 | 579.71 | — | — | — | — | — | — | — | — | — | — | — |
| | 10/25/00 | | | 6.72 | 579.00 | — | 59.5 | — | 0.29 | — | — | — | — | — | — | — |
| W-13 | 11/16/96 | 584.81 | 11.50 | 3.30 | 581.51 | | | | | | | | | | | |
| | 12/5/96 | | | 3.65 | 581.16 | | | | | | | | | | | |
| | 3/19/97 | | | — | — | | | | | | | | | | | |
| | 6/25/97 | | | 2.40 | 582.41 | | | | | | | | | | | |
| | 9/22/97 | | | 2.01 | 582.80 | | | | | | | | | | | |
| | 12/17/97 | | | 3.26 | 581.55 | | | | | | | | | | | |
| | 3/25/98 | | | 2.22 | 582.59 | | | | | | | | | | | |
| | 6/17/98 | | | 3.10 | 581.71 | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | 12.64 | 3.00 | 581.81 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 3.43 | 581.38 | — | — | — | 0.17 | +056 | — | — | — | — | — | — |
| | 3/18/99 | | | 2.23 | 582.58 | — | — | — | — | — | — | — | — | — | — | — |
| | 6/21/99 | | | 2.50 | 582.31 | — | — | — | 0.67 | — | — | — | — | — | — | — |
| | 9/8/99 | | | 3.90 | 580.91 | — | 71.1 | — | 0.51 | -240 | — | — | — | — | — | — |
| | 4/19/00 | | | 3.19 | 581.62 | — | 46.4 | — | 2.42 | — | — | — | — | — | — | — |
| | 10/25/00 | | | 3.83 | 580.98 | — | 62.8 | — | 1.31 | — | — | — | — | — | — | — |

NOTES:
* - Parameters were analyzed by the laboratory
TOC - Top of casing.
bgs - Below ground surface.
mg/l - Milligrams per liter.
ORP - Oxidation Reduction Potential, measured in millivolts (Mv).
— Parameter not analyzed / measured.
ND - Not Detected

# TABLE 3
## GROUNDWATER ELEVATION AND NATURAL ATTENUATION PARAMETERS
## Mobil Oil Terminal 48-010
## Green Bay, Wisconsin

| WELL NUMBER | DATE | TOC ELEVATIONS (feet) | TOTAL DEPTH (feet bgs) | DEPTH TO GROUNDWATER (feet below TOC) | GROUNDWATER ELEVATION (feet) | CONDUCTIVITY (umho) | TEMPERATURE (°F) | pH | DISSOLVED OXYGEN (mg/L) | ORP (Mv) | NITRATE* (mg/L) | SULFATE* (mg/L) | DISSOLVED MANGANESE* (mg/L) | ALKALINITY* (mg/l) | DISSOLVED IRON* (mg/L) | TOTAL IRON* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-8 | 11/16/96 | 586.65 | 13.10 | 6.35 | 580.30 | | | | | | | | | | | |
| | 12/5/96 | | | 6.71 | 579.94 | | | | | | | | | | | |
| | 3/19/97 | | | 5.74 | 580.91 | | | | | | | | | | | |
| | 6/25/97 | | | 5.68 | 580.97 | | | | | | | | | | | |
| | 9/22/97 | | | 5.46 | 581.19 | | | | | | | | | | | |
| | 12/17/97 | | | 6.64 | 580.01 | | | | | | | | | | | |
| | 3/25/98 | | | 5.42 | 581.23 | 1,053 | 39.9 | 6.84 | 3.50 | -010 | 0.87 | 104 | 0.307 | | 4.37 | |
| | 8/17/98 | | | 6.40 | 580.25 | 1,093 | 58.8 | 6.62 | 3.80 | -080 | 0.25 | 91 | 0.24 | | 4.07 | |
| | 9/30/98-10/1/98 | | 13.05 | 6.55 | 580.10 | 1,770 | 51.2 | 1.92 | — | — | 0.2 | 76 | 0.69 | 410 | 8.1 | 22 |
| | 12/1/98 | | | 5.58 | 581.07 | 980 | 53.2 | 7.17 | 0.18 | +043 | <0.055 | 41 | 0.27 | 470 | 3.1 | 4.4 |
| | 3/18/99 | | | 6.15 | 580.50 | 960 | 42.7 | 6.44 | 0.31 | — | <0.055 | 100 | 0.51 | 350 | 5.3 | 7.9 |
| | 6/21/99 | | | 6.09 | 580.56 | 700 | 71.1 | 6.33 | 0.54 | — | <0.055 | 89 | 0.42 | 440 | 0.19 | 3.2 |
| | 9/8/99 | | 13.05 | 6.80 | 579.85 | 890 | 63.0 | 5.80 | 0.40 | -099 | <0.055 | 22 | 0.28 | 450 | 3.1 | 5.1 |
| | 4/19/00 | | 12.98 | 6.51 | 580.14 | 651 | 44.8 | 7.09 | 1.81 | — | 0.43 | 240 | 0.44 | 340 | 5.2 | 15 |
| | 10/25/00 | | 13.04 | 8.02 | 580.83 | 667 | 58.5 | 7.28 | 1.71 | — | <0.50 | 33 | 0.27 | 410 | 2.2 | 2.9 |
| W-9 | 11/16/96 | 586.77 | 13.70 | 4.60 | 582.17 | | | | | | | | | | | |
| | 12/5/96 | | | 3.26 | 583.51 | | | | 7.50 | | 0.34 | 426 | 0.97 | | 1.7 | |
| | 3/19/97 | | | 2.50 | 584.27 | | | | 4.80 | +006 | ND | 308 | 1.4 | | 1.08 | |
| | 8/25/97 | | | 3.55 | 583.22 | | | | | | | | | | | |
| | 9/22/97 | | | 2.78 | 583.99 | | | | 1.00 | +027 | ND | 384 | 0.668 | | 1.05 | |
| | 12/17/97 | | | 4.68 | 582.09 | | | | | | | | | | | |
| | 3/25/98 | | | 2.40 | 584.37 | 2,480 | 41.0 | 6.81 | 7.00 | +175 | <0.14 | 450 | 1.06 | | 0.314 | |
| | 8/17/98 | | | 5.07 | 581.70 | 2,510 | 55.0 | 6.42 | 3.00 | -015 | 0.16 | 411 | 0.883 | | 0.621 | |
| | 9/30/98-10/1/98 | | 13.65 | 4.35 | 582.42 | — | — | — | — | — | — | — | — | — | — | — |
| | 12/1/98 | | | 3.94 | 582.83 | — | — | — | 0.24 | +033 | — | — | — | — | — | — |
| | 3/18/99 | | | 3.18 | 583.59 | — | — | — | — | — | — | — | — | — | — | — |
| | 6/21/99 | | | 4.78 | 581.99 | — | — | — | 0.52 | — | — | — | — | — | — | — |
| | 9/8/99 | | | 6.50 | 580.27 | — | 60.6 | — | 0.42 | -235 | — | — | — | — | — | — |
| | 4/19/00 | | | 4.59 | 582.18 | — | 44.2 | — | 2.18 | — | — | — | — | — | — | — |
| | 10/25/00 | | 13.65 | 5.33 | 581.44 | — | 56.5 | — | 1.31 | — | — | — | — | — | — | — |
| W-10 | 11/16/96 | 585.46 | 9.50 | 4.18 | 581.28 | | | | | | | | | | | |
| | 12/5/96 | | | 3.72 | 581.74 | | | | | | | | | | | |
| | 3/19/97 | | | 3.61 | 581.85 | | | | | | | | | | | |
| | 8/25/97 | | | 3.84 | 581.62 | | | | | | | | | | | |
| | 9/22/97 | | | 3.68 | 581.78 | | | | | | | | | | | |
| | 12/17/97 | | | 4.10 | 581.36 | | | | | | | | | | | |
| | 3/25/98 | | | 3.64 | 581.82 | 1,167 | 40.3 | 6.72 | 6.30 | +031 | <0.14 | <1 | 0.252 | | 8.01 | |
| | 8/17/98 | | | 4.02 | 581.44 | 1,045 | 59.4 | 6.69 | 2.80 | -090 | 0.14 | 23.3 | 0.192 | | 6.47 | |
| | 9/30/98-10/1/98 | | 9.40 | 3.90 | 581.56 | 1,720 | 61.9 | 9.50 | — | — | <0.055 | 71 | 0.18 | 360 | 2.2 | 28 |
| | 12/1/98 | | | 3.91 | 581.55 | 960 | 51.3 | 7.25 | 0.18 | +034 | <0.055 | 93 | 0.13 | 330 | 0.58 | 0.56 |
| | 3/18/99 | | | 3.75 | 581.71 | 1,000 | 42.1 | 6.58 | 0.44 | — | <0.055 | 65 | 0.24 | 470 | 5.2 | 6.6 |
| | 6/21/99 | | | 4.02 | 581.44 | 780 | 75.6 | 7.50 | 0.76 | — | <0.055 | 34 | 0.27 | 460 | 1.9 | <0.024 |
| | 9/8/99 | | 9.40 | 5.95 | 579.51 | 890 | 83.1 | 5.78 | 0.59 | -280 | <0.055 | 20 | 0.52 | 480 | 10 | 11 |
| | 4/19/00 | | 9.42 | 3.84 | 581.62 | 609 | 44.8 | 7.54 | 1.51 | — | <0.20 | 220 | 0.16 | 300 | 1.9 | 1.2 |
| | 10/25/00 | | 9.40 | 4.49 | 580.97 | 631 | 56.8 | 7.75 | 0.88 | — | <0.50 | 50 | 0.32 | 360 | 6.5 | 9.0 |

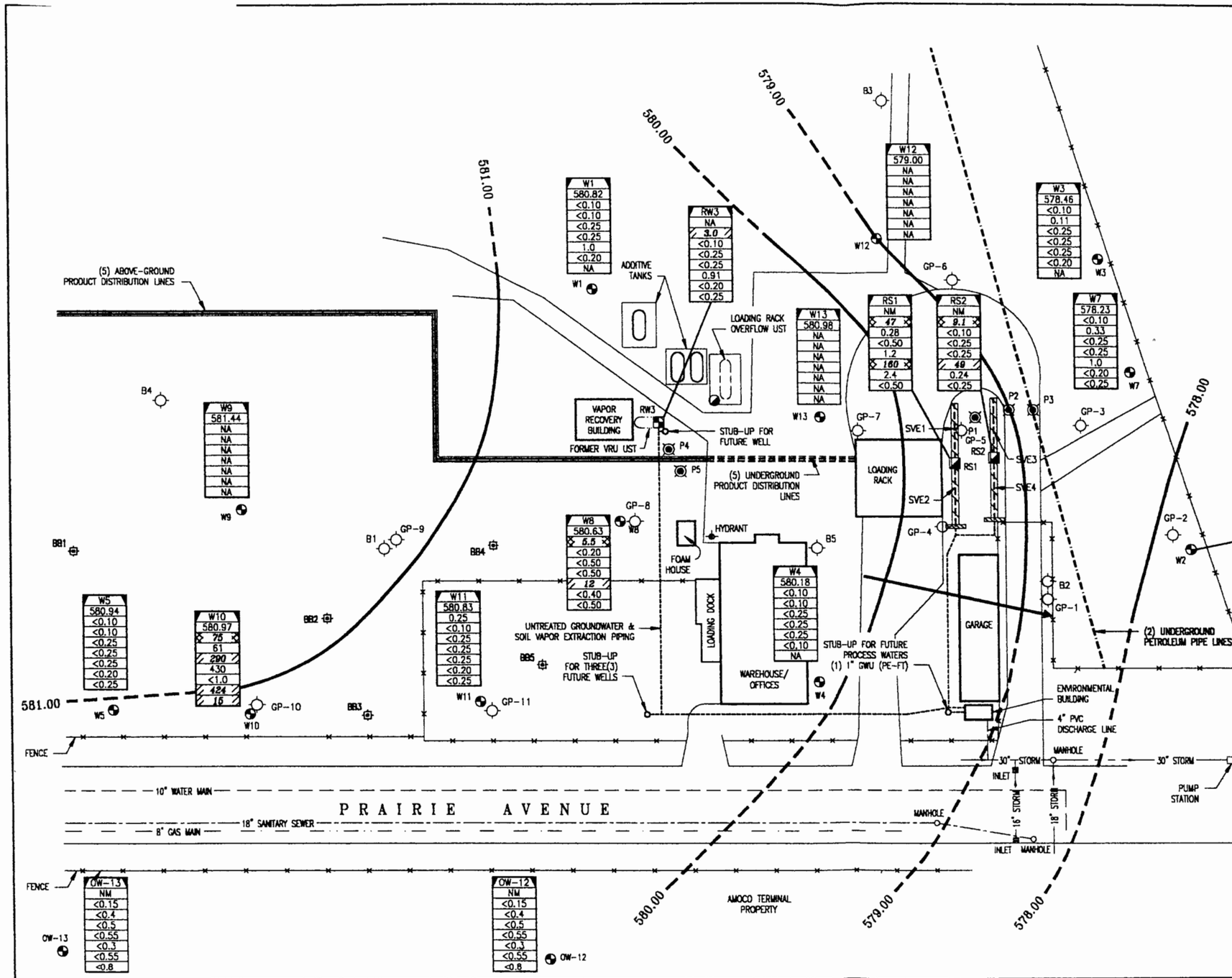
NOTES:
*- Parameters were analyzed by the laboratory
TOC - Top of casing.
bgs - Below ground surface.
mg/l - Milligrams per liter.
ORP - Oxidation Reduction Potential, measured in millivolts (Mv).
— Parameter not analyzed / measured.
ND - Not Detected

# TABLE 3
## GROUNDWATER ELEVATION AND NATURAL ATTENUATION PARAMETERS
## Mobil Oil Terminal 48-010
## Green Bay, Wisconsin

| WELL NUMBER | DATE | TOC ELEVATIONS (feet) | TOTAL DEPTH (feet bgs) | DEPTH TO GROUNDWATER (feet below TOC) | GROUNDWATER ELEVATION (feet) | CONDUCTIVITY (µmho) | TEMPERATURE (°F) | pH | DISSOLVED OXYGEN (mg/L) | ORP (Mv) | NITRATE* (mg/L) | SULFATE* (mg/L) | DISSOLVED MANGANESE* (mg/L) | ALKALINITY* (mg/L) | DISSOLVED IRON* (mg/L) | TOTAL IRON* (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RS-1 | 12/5/96 | | | | | | | | 3.00 | | ND | 76 | 1.55 | | 109 | |
| | 3/19/97 | | | | | | | | 3.80 | -045 | ND | 308 | 0.41 | | 4.82 | |
| | 6/25/97 | | | | | | | | | | | | | | | |
| | 9/22/97 | | | | | | | | | | | | | | | |
| | 3/25/98 | | | | | | | | | | | | | | | |
| | 6/17/98 | | | | | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | | 3.00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/1/98 | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 3/18/99 | | | 2.90 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 6/21/99 | | | 2.88 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 9/8/99 | | | 3.48 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 4/19/00 | | | 3.19 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/25/00 | | 13.39 | 3.65 | --- | 2,090 | --- | 7.26 | --- | --- | --- | --- | --- | --- | --- | --- |
| RS-2 | 9/30/98-10/1/98 | | | 1.70 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/1/98 | | | 3.00 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 3/18/99 | | | 2.39 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 6/21/99 | | | 2.25 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 9/8/99 | | | 3.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 4/19/00 | | | 3.21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/25/00 | | 14.02 | 3.73 | --- | 1,608 | --- | 7.07 | --- | --- | --- | --- | --- | --- | --- | --- |
| RW-3 | 12/5/96 | | | | | | | | 6.00 | | ND | 27 | 0.78 | | 79.9 | |
| (RS-1) | 3/19/97 | | | | | | | | 8.00 | 00.1 | 0.31 | 64 | 0.682 | | 117 | |
| | 8/25/97 | | | | | | | | | | | | | | | |
| | 9/22/97 | | | | | | | | | | | | | | | |
| | 3/25/98 | | | | | | | | | | | | | | | |
| | 6/17/98 | | | | | | | | | | | | | | | |
| | 9/30/98-10/1/98 | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 12/1/98 | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 3/18/99 | | | 2.85 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 6/21/99 | | | 2.86 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 9/8/99 | | | 3.56 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 4/19/00 | | | 3.18 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 10/25/00 | | 12.40 | 3.30 | --- | 696 | --- | 8.03 | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES:
* - Indicated parameters are laboratory analyzed.
TOC - Top of casing.
bgs - Below ground surface.
mg/l - Milligrams per liter.
ORP - Oxidation Reduction Potential, measured in millivolts (Mv).
--- Parameter not analyzed / measured.
µmho - micromhos
ND - Not detected

| NO. | REVISIONS | DATE | BY | CHKD |
|---|---|---|---|---|
| | | | | |




## LEGEND

- COMBINATION SVE/GROUNDWATER RECOVERY TRENCH
- TRENCH SEAL
- RECOVERY WELL LOCATION
- RECOVERY SUMP LOCATION
- MONITORING WELL LOCATION
- PRESSURE MONITORING PROBE LOCATION
- LEAK DETECTION OBSERVATION SUMP LOCATION
- SOIL BORING LOCATION
- BIOREMEDIATION EVALUATION SOIL SAMPLE LOCATION
- GROUNDWATER ELEVATION CONTOUR (CONTOUR INTERVAL = 1.00 ft./DASHED WHERE INFERRED)
- GROUNDWATER FLOW DIRECTION

| | |
|---|---|
| W1 | MONITORING WELL NUMBER |
| 580.82 | GROUNDWATER ELEVATION (ft.) |
| <0.10 | BENZENE CONCENTRATION (ug/l) |
| <0.10 | TOLUENE CONCENTRATION (ug/l) |
| <0.25 | ETHYLBENZENE CONCENTRATION (ug/l) |
| <0.25 | TOTAL XYLENES CONCENTRATION (ug/l) |
| 1.0 | METHYL TERT BUTYL ETHER CONCENTRATION (ug/l) |
| <0.20 | TOTAL TRIMETHYLBENZENE CONCENTRATION (ug/l) |
| NA | NAPHTHALENE CONCENTRATION (ug/l) |
| 10/25/00 | ON-SITE GROUNDWATER SAMPLING & GAUGING DATE |
| 12/02/99 | AMOCO WELLS GROUNDWATER SAMPLING & GAUGING DATE |
| <0.10 | LESS THAN LABORATORY REPORTING LIMIT |
| NM | NOT MEASURED |
| NA | NOT ANALYZED |
| // 49 // | EXCEEDENCE OF PREVENTATIVE ACTION LIMIT CHAPTER NR 140.1 WISCONSIN ADMINISTRATIVE CODE |
| ✕ 160 ✕ | EXCEEDENCE OF ENFORCEMENT STANDARDS CHAPTER NR 140.1 WISCONSIN ADMINISTRATIVE CODE |


Handex OF WISCONSIN
16940 VICTOR ROAD
NEW BERLIN, WISCONSIN 53151
(262) 641-9011


# MOBIL OIL CORPORATION

Marketing & Refining Division – U.S.
Marketing Operations Department
Environmental Engineering Group
Fairfax, Virginia 22037

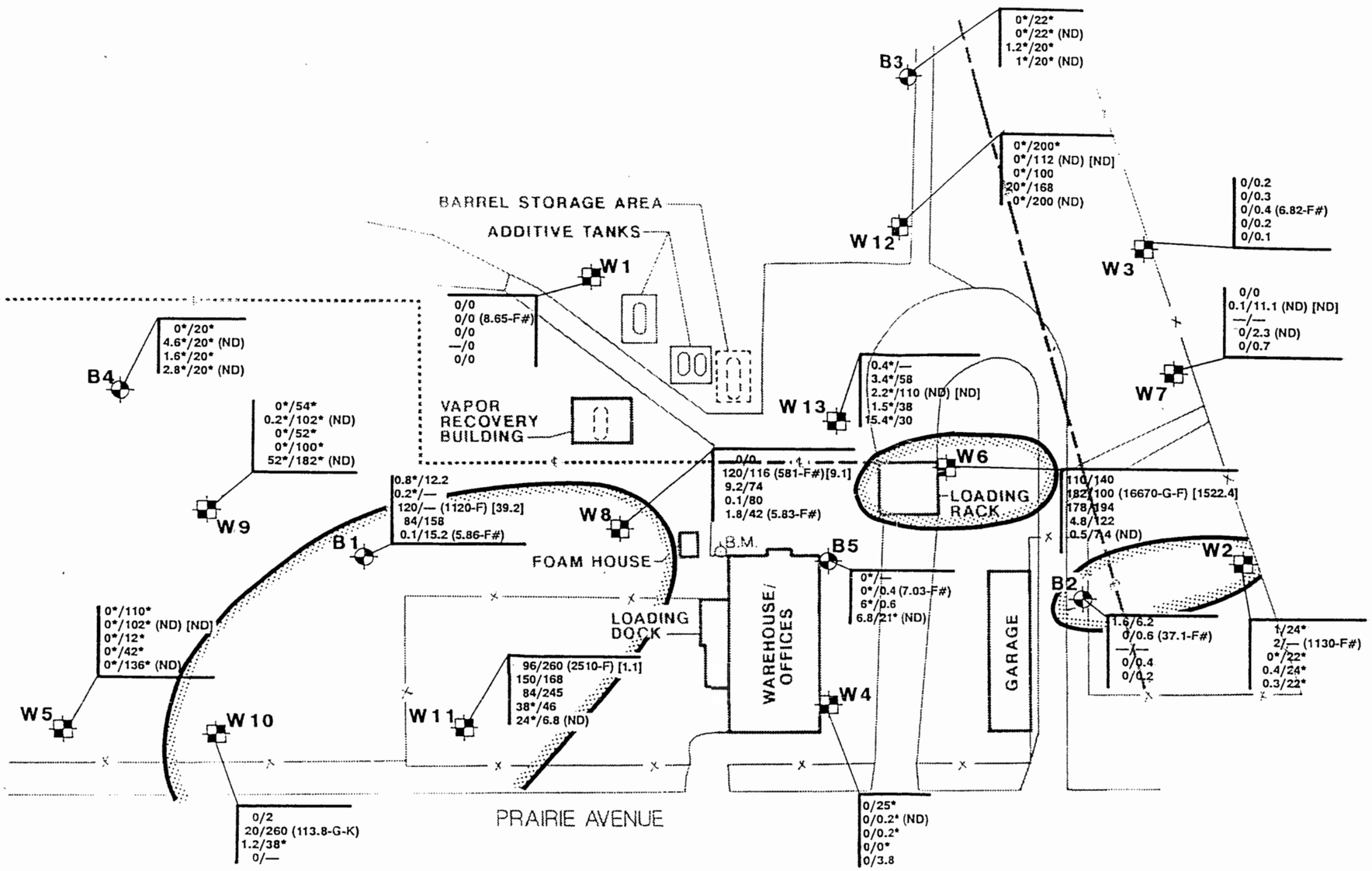
## GROUNDWATER ELEVATION & ANALYTICAL RESULTS MAP (10/25/00)

MOBIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, BROWN COUNTY, WISCONSIN

| | |
|---|---|
| DRAWN BY: | M. SMITH |
| SCALE: | 1" = 80' |
| DATE: | 6/25/01 |
| DRAWING FILE: | 116893 |

FIGURE 7

893GA6A




## LEGEND

- FENCE LINE
- PRODUCT DISTRIBUTION LINES (5) ABOVE-GROUND
- PRODUCT DISTRIBUTION LINES (5) BELOW-GROUND
- PETROLEUM PIPE LINES (2) BELOW-GROUND
- FIRE HYDRANT
- UNDERGROUND STORAGE TANK (UST)
- ABOVE GROUND STORAGE TANK (AST)
- B1 SOIL BORING LOCATION AND NUMBER
- W1 MONITORING WELL LOCATION AND NUMBER
- AREAS WITH SOIL TPH CONCENTRATIONS GREATER THAN 10 mg/kg

FIELD PID MEASUREMENTS IN ppm
HEAD SPACE PID MEASUREMENTS IN ppm
(TPH), IN mg/kg
[TOTAL BETX], IN mg/kg

| DEPTH INTERVAL (ft) |
|---|
| 1-3 |
| 3.5-5.5 |
| 6-8 |
| 8.5-10.5 |
| 11-13 |

| | |
|---|---|
| — | NO READING TAKEN |
| ND | NOT DETECTED |
| G | AS GASOLINE |
| K | AS KEROSENE |
| F | AS #2 FUEL OIL |
| * | PID READINGS IN QUESTION DUE TO INSTRUMENT MALFUNCTION |
| # | DID NOT MATCH BUT ELUTED IN SAME RANGE AS REFERENCE STANDARD |

## NOTES

1. BASE MAP COMPILED FROM MOBIL OIL SITE PLAN DATED FEBRUARY 21, 1985 AND A SITE SURVEY CONDUCTED BY EARTH TECH SERVICES ON FEBRUARY 12, 1991.
2. BENCHMARK (B.M.) ELEVATION BASED ON U.S. GEOLOGICAL SURVEY DATUM; ELEVATION ON NORTHWEST FLANGE BOLT OF HYDRANT AT NORTH CORNER OF WAREHOUSE/OFFICES BUILDING.
3. SOIL BORINGS AND MONITORING WELL INSTALLATION PERFORMED BY JAVCO INC. ON JANUARY 7, 9, 14, AND 15, 1991 (B1-B2, W1-W4, W6-W8, AND W10). SOIL BORINGS AND MONITORING WELL INSTALLATION PERFORMED BY ENVIRONMENTAL AND FOUNDATION DRILLING, INC. ON JANUARY 30 AND 31, 1991, AND FEBRUARY 1, 1991 (B3-B5, W5, W9, AND W11-W13).

north
0 80 160
SCALE IN FEET

FIGURE 12

Designed by
Drawn by
Checked by
Approved by
Date 5/30/91
Scale
Reference
Revisions
Date · By · Appd

WARZYN
WARZYN ENGINEERING INC.
Madison · Milwaukee
Minneapolis · Chicago
Detroit

SOIL PID, TPH, AND BETX RESULTS
SITE INVESTIGATION
MOBIL OIL TERMINAL #48010
410 PRAIRIE AVENUE
GREEN BAY, WISCONSIN

Sheet Number
OF
Project Number
27304 B2
WARZYN

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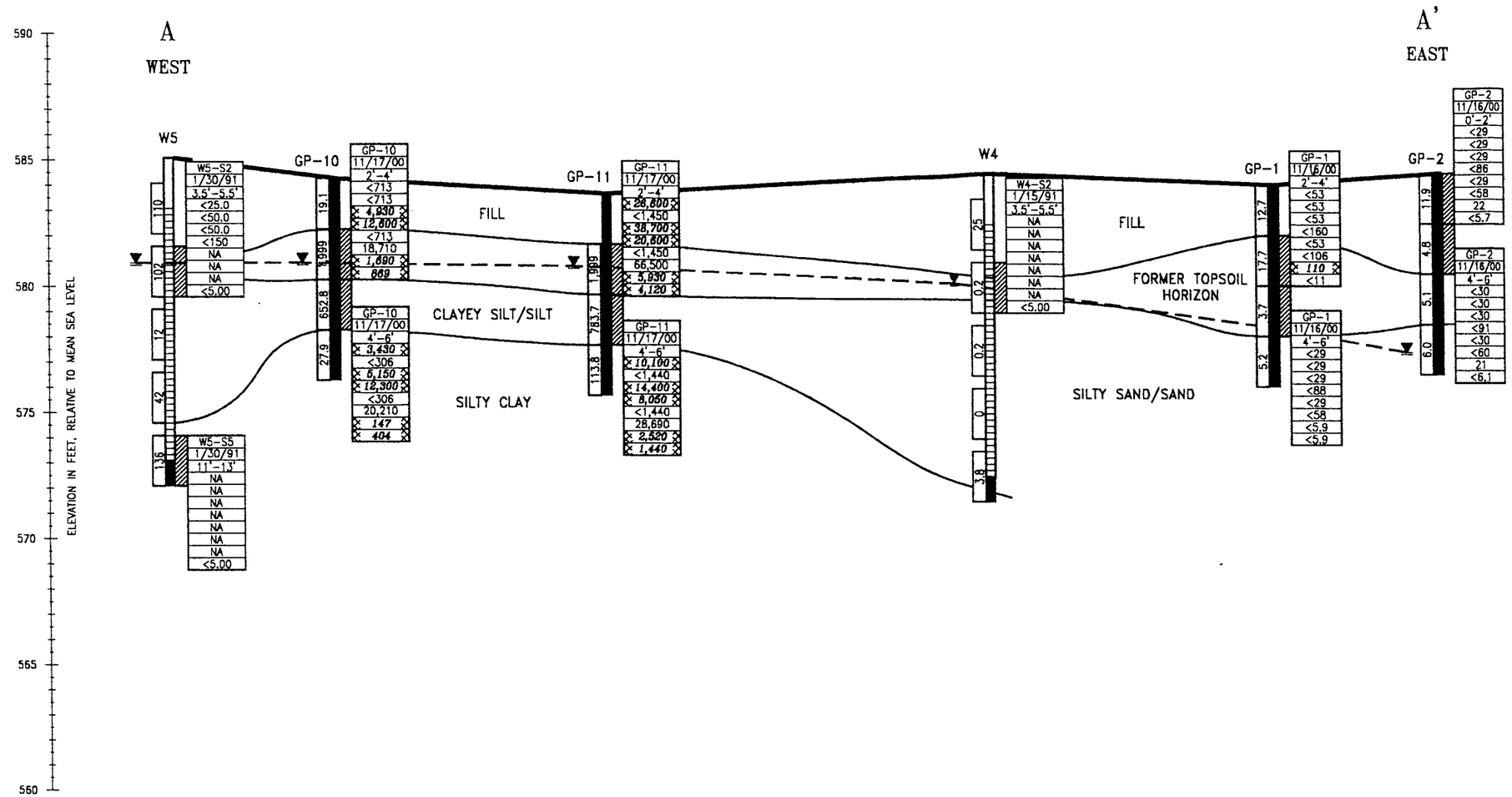
MASTER BLUE PRINT INC. 814823

| NO. | REVISIONS | DATE | BY | CHKD |
|---|---|---|---|---|
| | | | | |




0 80
HORIZONTAL SCALE IN FEET

0 5
VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION = 16x

## LEGEND

- W ← WELL/BORING NUMBER
- SOLID WELL CASING
- INFERRED STRATOGRAPHIC BOUNDARY
- GROUNDWATER ELEVATION ON 10/25/00
- PID/FID (INSTRUMENT UNITS)
- SLOTTED WELL SCREEN
- SOIL SAMPLE DEPTH
- EXTENT OF SOIL BORING

| | |
|---|---|
| GP-1 | SOIL BORING NUMBER |
| 11/16/00 | SOIL SAMPLING DATE |
| 2'-4' | SOIL SAMPLING DEPTH (ft.) |
| <53 | BENZENE CONCENTRATION (ug/kg) |
| <53 | TOLUENE CONCENTRATION (ug/kg) |
| <53 | ETHYLBENZENE CONCENTRATION (ug/kg) |
| <160 | TOTAL XYLENES CONCENTRATION (ug/kg) |
| <53 | METHYL TERT BUTYL ETHER CONCENTRATION (ug/kg) |
| <106 | TOTAL TRIMETHYLBENZENE CONCENTRATION (ug/kg) |
| 110 | DIESEL RANGE ORGANICS CONCENTRATION (mg/kg) |
| <11 | GASOLINE RANGE ORGANICS CONCENTRATION (mg/kg) |

| | |
|---|---|
| <53 | LESS THAN LABORATORY REPORTING LIMIT |
| NA | NOT ANALYZED |
| 110 | EXCEEDENCE OF RESIDUAL CONTAMINANT LEVELS CHAPTER NR 720 WISCONSIN ADMINISTRATIVE CODE |

NOTE: GRO ANALYZED AS TPH OR TPH-GRO PRIOR TO 1993


Handex OF WISCONSIN
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(262) 641-9011


# MOBIL OIL CORPORATION

Marketing & Refining Division – U.S.
Marketing Operations Department
Environmental Engineering Group
Fairfax, Virginia 22037

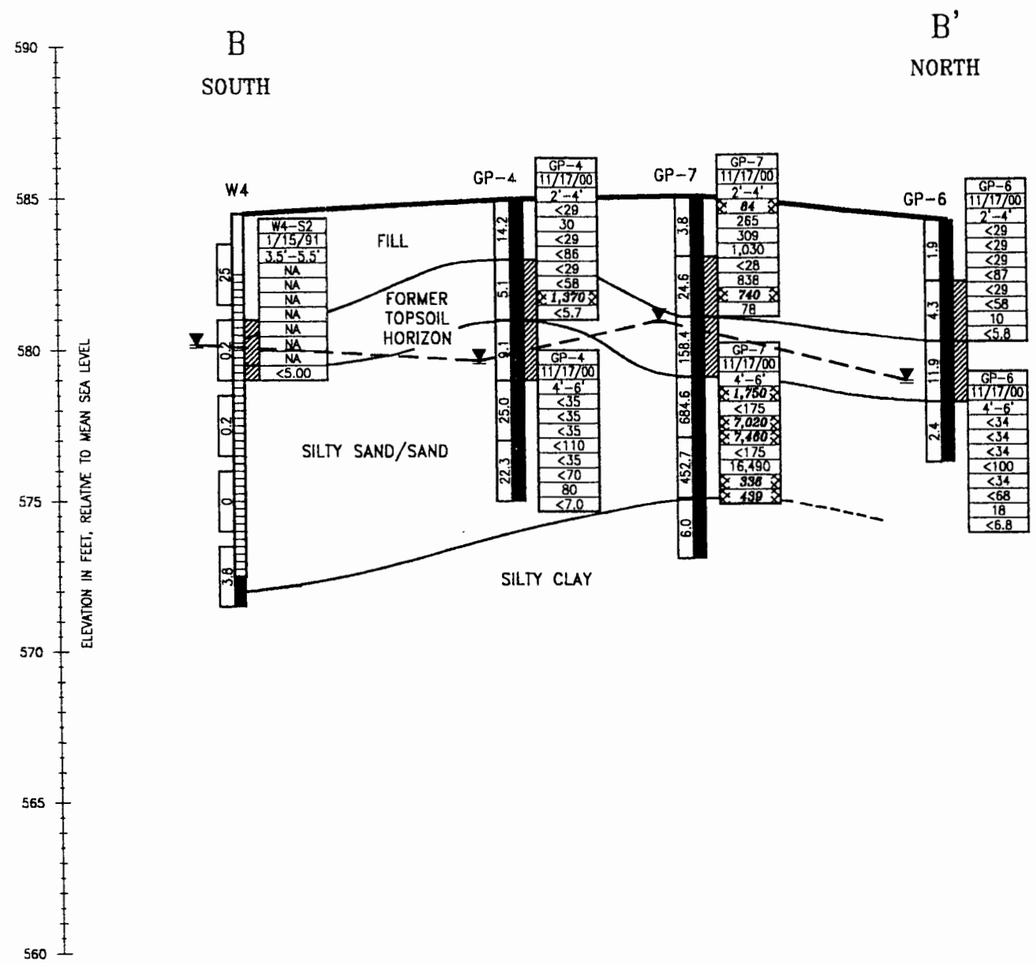
POST-REMEDIAL
CROSS-SECTION A-A'
MOBIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, BROWN COUNTY, WISCONSIN

| | |
|---|---|
| DRAWN BY: | M. SMITH |
| SCALE: | AS NOTED |
| DATE: | 6/14/01 |
| DRAWING FILE: | 116893 |

FIGURE 5

893AA1

| NO. | REVISIONS | DATE | BY | CHKD |
|---|---|---|---|---|
| | | | | |




0 80
HORIZONTAL SCALE IN FEET

0 5
VERTICAL SCALE IN FEET

VERTICAL EXAGGERATION = 16x

## LEGEND

W ← WELL/BORING NUMBER

110 ← SOLID WELL CASING

INFERRED STRATOGRAPHIC BOUNDARY

102 ▼ GROUNDWATER ELEVATION ON 10/25/00

PID/FID (INSTRUMENT UNITS)

12 ← SLOTTED WELL SCREEN

42 ← SOIL SAMPLE DEPTH

EXTENT OF SOIL BORING

| | |
|---|---|
| GP-1 | SOIL BORING NUMBER |
| 11/16/00 | SOIL SAMPLING DATE |
| 2'-4' | SOIL SAMPLING DEPTH (ft.) |
| <53 | BENZENE CONCENTRATION (ug/kg) |
| <53 | TOLUENE CONCENTRATION (ug/kg) |
| <53 | ETHYLBENZENE CONCENTRATION (ug/kg) |
| <160 | TOTAL XYLENES CONCENTRATION (ug/kg) |
| <53 | METHYL TERT BUTYL ETHER CONCENTRATION (ug/kg) |
| ✕ <106 ✕ | TOTAL TRIMETHYLBENZENE CONCENTRATION (ug/kg) |
| *110* | DIESEL RANGE ORGANICS CONCENTRATION (mg/kg) |
| <11 | GASOLINE RANGE ORGANICS CONCENTRATION (mg/kg) |

| | |
|---|---|
| <53 | LESS THAN LABORATORY REPORTING LIMIT |
| NA | NOT ANALYZED |
| ✕ *110* ✕ | EXCEEDENCE OF RESIDUAL CONTAMINANT LEVELS CHAPTER NR 720 WISCONSIN ADMINISTRATIVE CODE |

NOTE: GRO ANALYZED AS TPH OR TPH-GRO PRIOR TO 1993


Handex OF WISCONSIN
16940 VICTOR ROAD
NEW BERLIN, WI 53151
(262) 641-9011


# MOBIL OIL CORPORATION

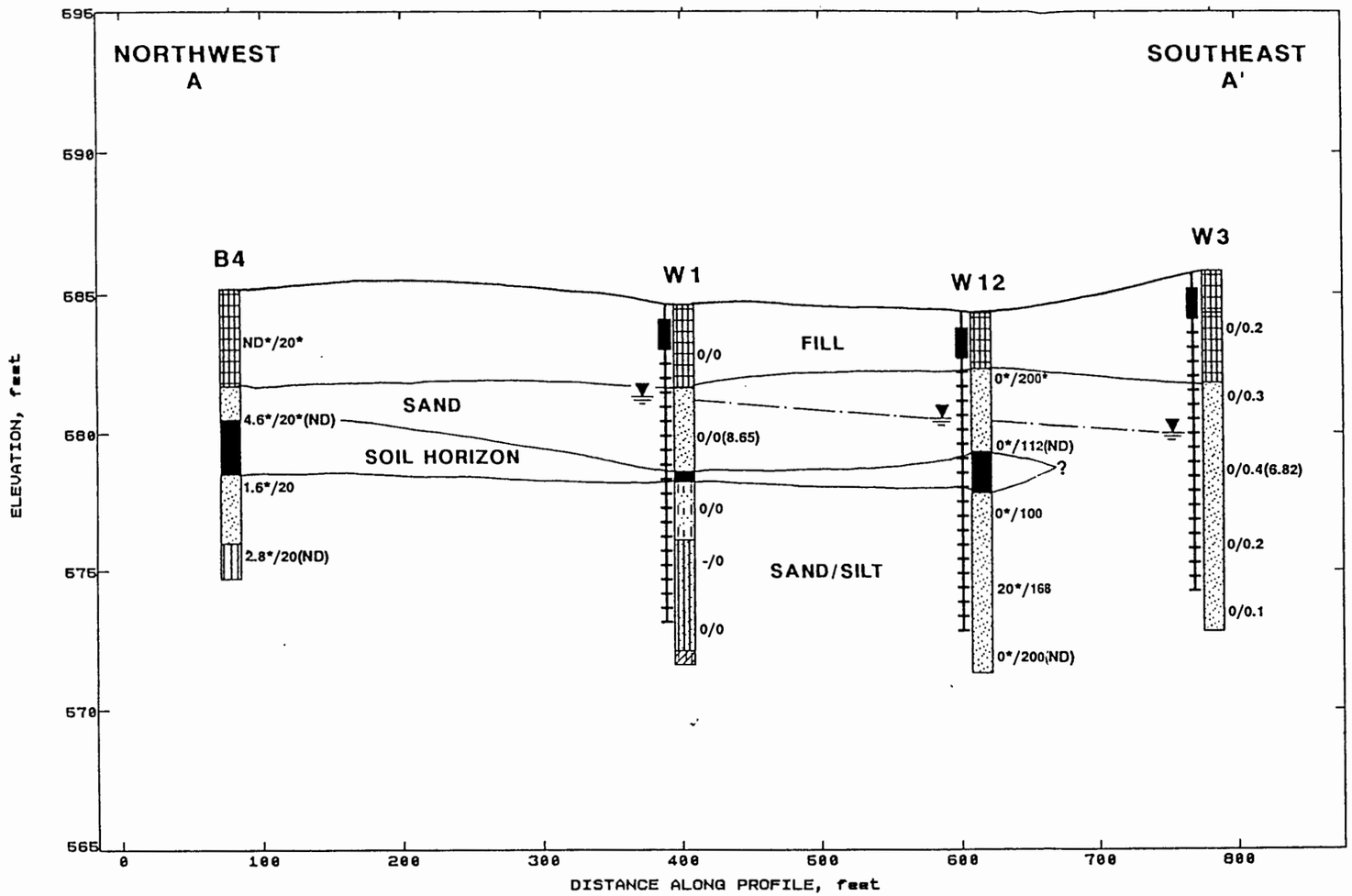
Marketing & Refining Division - U.S.
Marketing Operations Department
Environmental Engineering Group
Fairfax, Virginia 22037

POST-REMEDIAL
CROSS-SECTION B-B'
MOBIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, BROWN COUNTY, WISCONSIN

| | |
|---|---|
| DRAWN BY: | M. SMITH |
| SCALE: | AS NOTED |
| DATE: | 6/14/01 |
| DRAWING FILE: | 116893 |

FIGURE 6

893881




HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 5'
VERTICAL EXAGGERATION = 20x

## LEGEND

- FILL
- SOIL HORIZON
- SAND
- SILT
- SANDY SILT
- CLAYEY SILT
- SILTY SAND
- WATER LEVEL ON FEBRUARY 26, 1991
- ESTIMATED WATER TABLE SURFACE
- BENTONITE SEAL
- WELL SCREEN

2.8*/20(ND)
- FIELD PID READING, IN PPM
- HEAD SPACE PID READING, IN PPM
- TPH, IN MG/KG

ND NOT DETECTED
* PID IN QUESTION DUE TO INSTRUMENT MALFUNCTION
\- NO MEASUREMENT

## NOTES

1. CROSS-SECTION IS GENERAL IN NATURE AND DOES NOT PURPORT TO BE AN EXACT REPRESENTATION OF SUBSURFACE CONDITIONS.
2. ELEVATIONS BASED ON U.S. GEOLOGICAL SURVEY DATUM.
3. ALL HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH BORING LOCATION.
4. REFER TO FIGURE 6 FOR CROSS-SECTION LOCATION.

Drawn By DAM
Checked By DRL
Date 5/30/91
Designed By
Approved By D.R. Fuller
Scale:
Reference:
Date - By - App'd
Revisions

WARZYN
WARZYN ENGINEERING INC.
Madison • Milwaukee
Minneapolis • Chicago
Detroit

GEOLOGIC CROSS-SECTION A - A'

SITE INVESTIGATION
MOBIL OIL TERMINAL #48010
410 PRAIRIE AVENUE
GREEN BAY, WISCONSIN

Sheet Number
OF
Project Number
27304 B6
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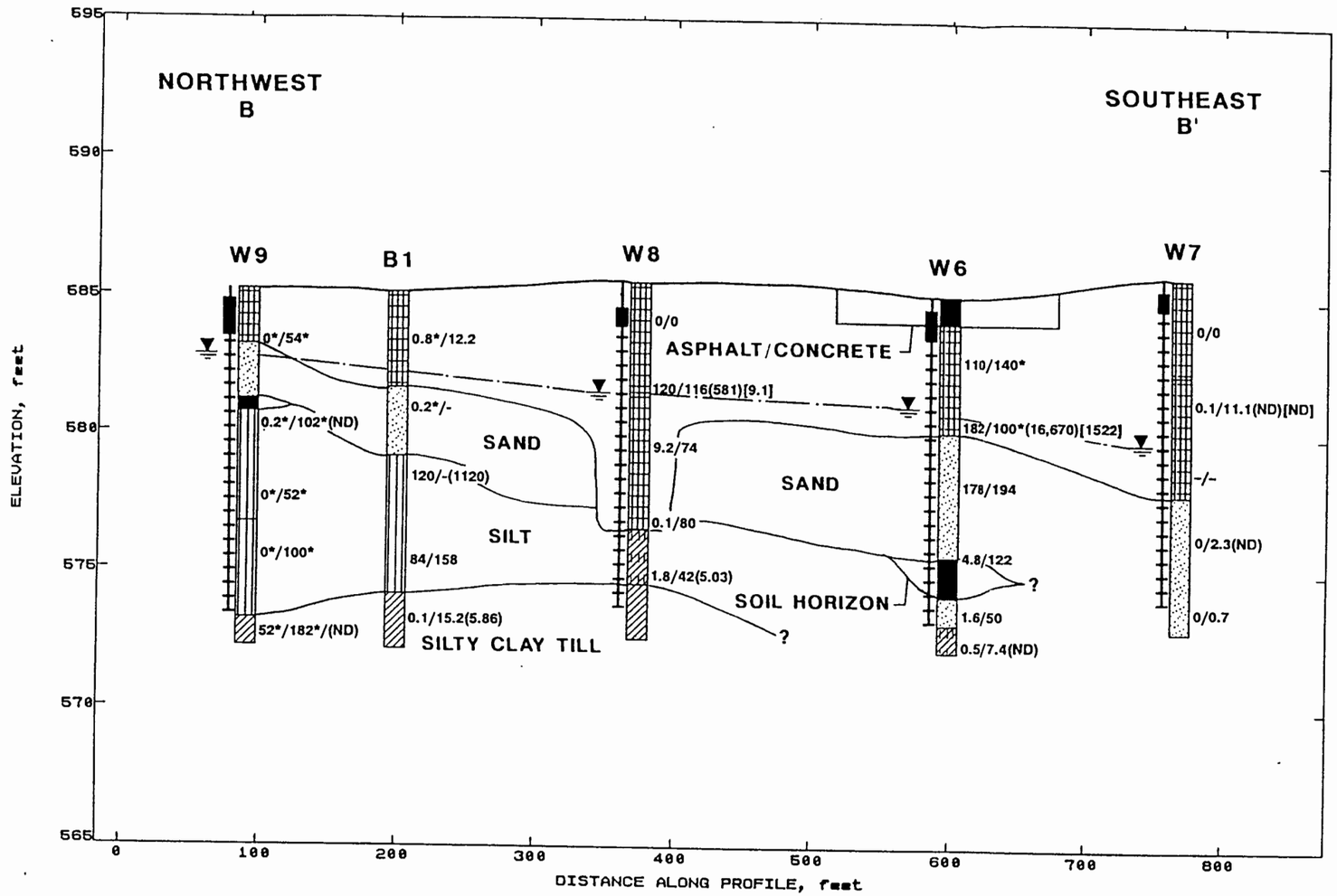
FIGURE 7




HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 5'
VERTICAL EXAGGERATION = 20x

## LEGEND

- FILL
- ASPHALT/CONCRETE OR SOIL HORIZON
- SAND
- SILT
- CLAYEY SILT
- SILTY CLAY
- WATER LEVEL ON FEBRUARY 26, 1991
- ESTIMATED WATER TABLE SURFACE
- BENTONITE SEAL
- WELL SCREEN

182/100*/(16,670)[1522]
- FIELD PID READING, IN PPM
- HEAD SPACE PID READING, IN PPM
- TPH, IN MG/KG
- TOTAL BETX, IN MG/KG

ND NOT DETECTED
* PID IN QUESTION DUE TO INSTRUMENT MALFUNCTION
\- NO MEASUREMENT

## NOTES

1. CROSS-SECTION IS GENERAL IN NATURE AND DOES NOT PURPORT TO BE AN EXACT REPRESENTATION OF SUBSURFACE CONDITIONS.
2. ELEVATIONS BASED ON U.S. GEOLOGICAL SURVEY DATUM.
3. ALL HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH BORING LOCATION.
4. REFER TO FIGURE 6 FOR CROSS-SECTION LOCATION.
5. WATER LEVEL ADJUSTED FOR FREE PRODUCT IN MONITORING WELL W6 USING AN ASSUMED DENSITY OF GASOLINE OF 0.75.

FIGURE 8

Date - By - Appd

Designed By
Drawn By DM
Checked By DRL
Approved By D.R. Fuston
Date 5/20/91
Scale:
Reference
Revisions

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GEOLOGIC CROSS-SECTION B - B'
SITE INVESTIGATION
MOBIL OIL TERMINAL #48010
410 PRAIRIE AVENUE
GREEN BAY, WISCONSIN

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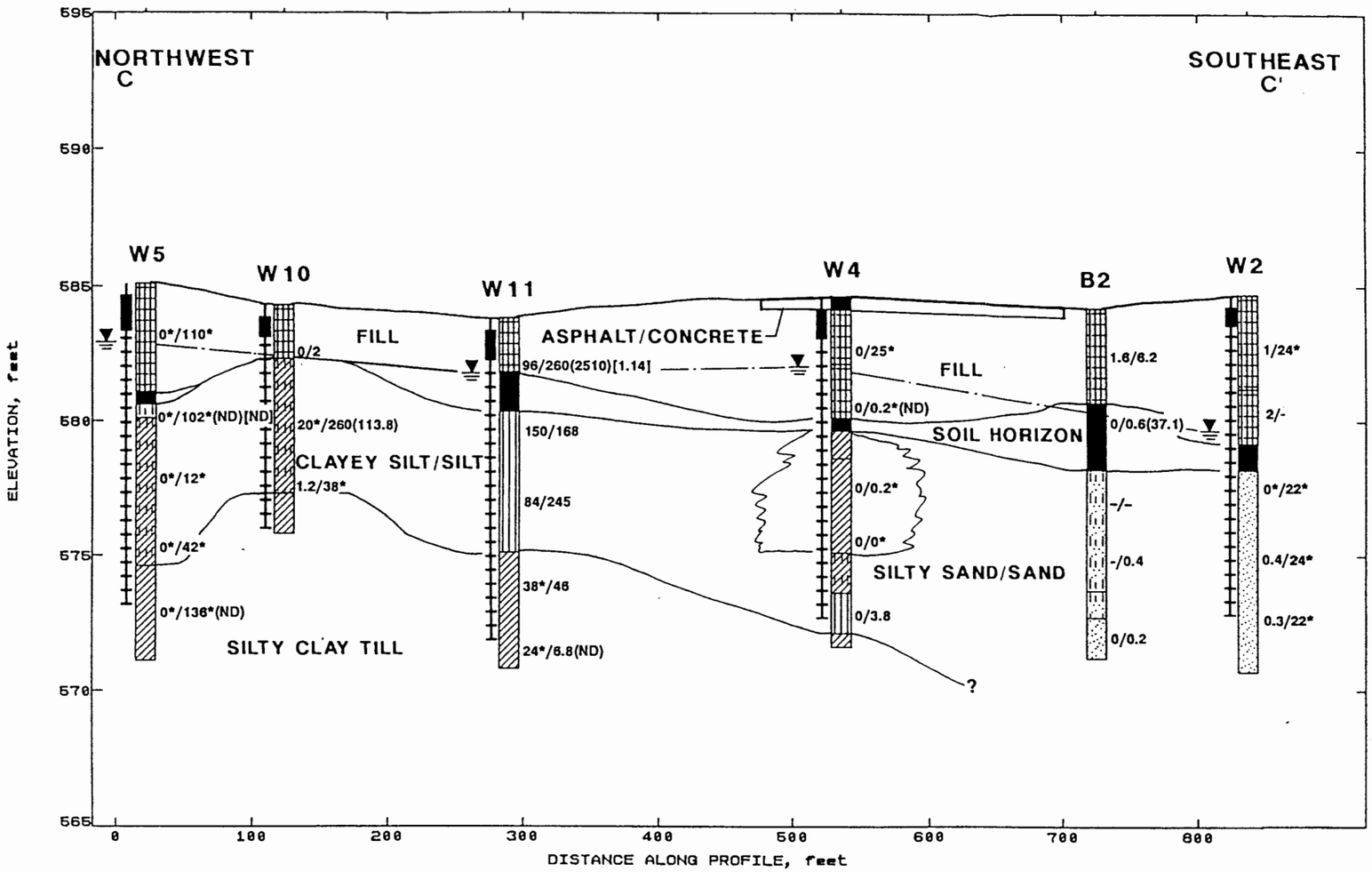


## LEGEND

- FILL
- ASPHALT/CONCRETE OR SOIL HORIZON
- SILTY SAND
- CLAYEY SILT
- SILT
- SAND
- SILTY CLAY
- WATER LEVEL ON FEBRUARY 26, 1991
- ESTIMATED WATER TABLE SURFACE
- BENTONITE SEAL
- WELL SCREEN

FIELD PID READING, IN PPM
HEAD SPACE PID READING, IN PPM
TPH, IN MG/KG
TOTAL BETX, IN MG/KG

96/260(2510)[1.14]

ND NOT DETECTED
* PID IN QUESTION DUE TO INSTRUMENT MALFUNCTION
\- NO MEASUREMENT

HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 5'
VERTICAL EXAGGERATION = 20x

## NOTES

1. CROSS-SECTION IS GENERAL IN NATURE AND DOES NOT PURPORT TO BE AN EXACT REPRESENTATION OF SUBSURFACE CONDITIONS.
2. ELEVATIONS BASED ON U.S. GEOLOGICAL SURVEY DATUM.
3. ALL HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH BORING LOCATION.
4. REFER TO FIGURE 6 FOR CROSS-SECTION LOCATION.
5. WATER FROZEN IN WELL W10 ON FEBRUARY 26, 1991 [illegible] WELL MEASURED.

FIGURE 9

Designed by
Drawn by CAM
Checked by DEL
Approved by D.R. Fuchs
Date 5/30/91
Scale:
Reference:
Revisions
Date • By • App'd.

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GEOLOGIC CROSS-SECTION C - C'

SITE INVESTIGATION
MOBIL OIL TERMINAL # 48010
410 PRAIRIE AVENUE
GREEN BAY, WISCONSIN

Sheet Number
OF
Project Number
27304 B8
WARZYN

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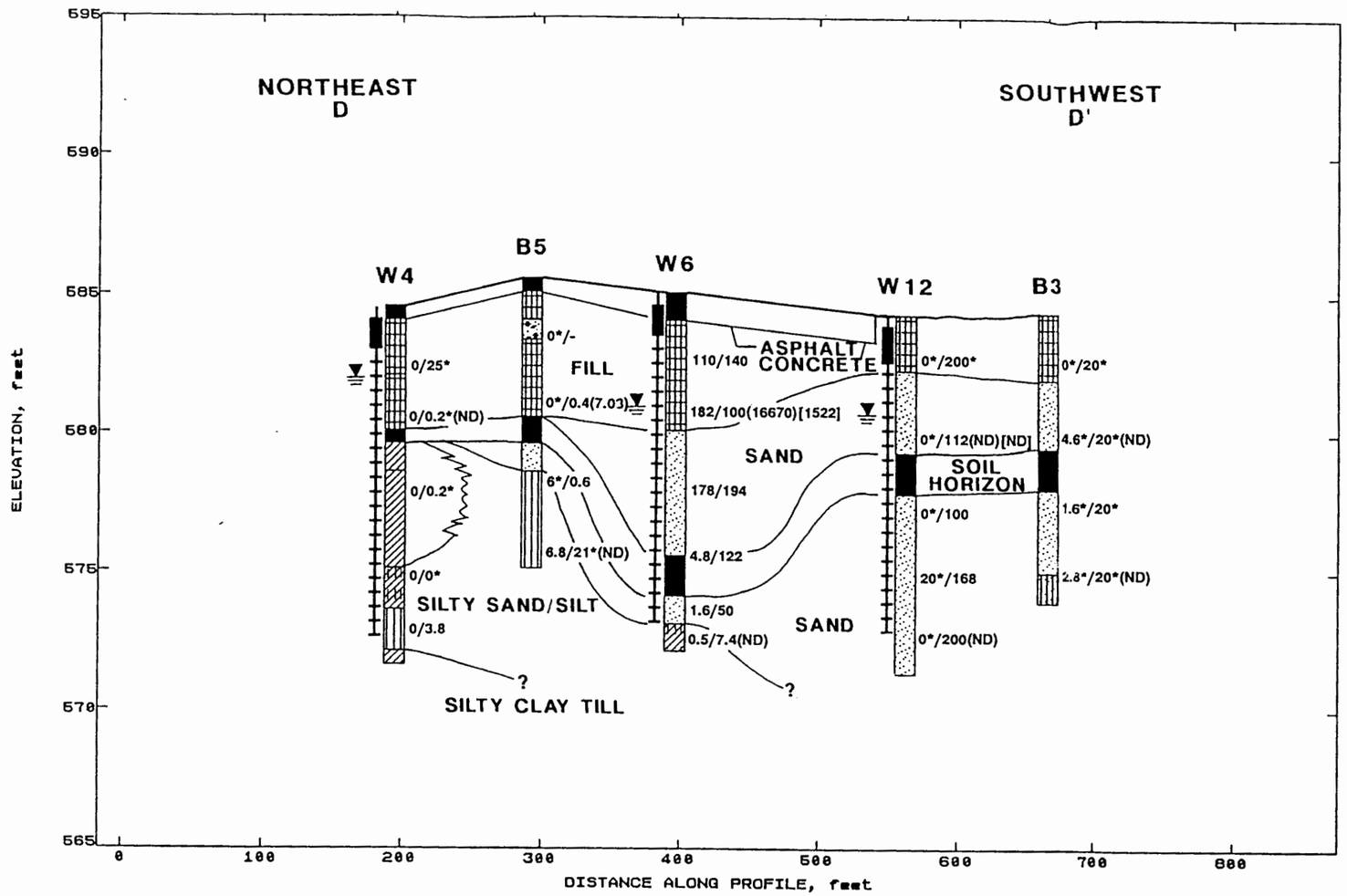


HORIZONTAL SCALE 1" = 100'
VERTICAL SCALE 1" = 5'
VERTICAL EXAGGERATION = 20x

## LEGEND

- FILL
- CONCRETE
- ASPHALT/CONCRETE OR SOIL HORIZON
- SANDY SILT
- SILT
- CLAYEY SILT
- SILTY CLAY
- WATER LEVEL ON FEBRUARY 26, 1991
- BENTONITE SEAL
- WELL SCREEN

0*/112(ND)[ND]
- FIELD PID READING, IN PPM
- HEAD SPACE PID READING, IN PPM
- TPH, IN MG/KG
- TOTAL BETX, IN MG/KG

ND NOT DETECTED
* PID IN QUESTION DUE TO INSTRUMENT MALFUNCTION
\- NO MEASUREMENT

## NOTES

1. CROSS-SECTION IS GENERAL IN NATURE AND DOES NOT PURPORT TO BE AN EXACT REPRESENTATION OF SUBSURFACE CONDITIONS.
2. ELEVATIONS BASED ON U.S. GEOLOGICAL SURVEY DATUM.
3. ALL HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH BORING LOCATION.
4. REFER TO FIGURE 6 FOR CROSS-SECTION LOCATION.
5. WATER LEVEL ADJUSTED FOR FREE PRODUCT IN MONITORING WELL W6 USING AN ASSUMED DENSITY OF GASOLINE OF 0.75.

FIGURE 10

Designed By
Drawn By DM
Checked By DRL
Approved By DRL
Date 5/28/91
Scale
Reference
Revisions
Date • By • App'd
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GEOLOGIC CROSS-SECTION D - D'

SITE INVESTIGATION
MOBIL OIL TERMINAL #48010
410 PRAIRIE AVENUE
GREEN BAY, WISCONSIN

Sheet Number
OF
Project Number
27304 B9
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To the best of my knowledge, the attached legal description for the subject property is correct and located within the contaminated site boundary.

ExxonMobil Oil Corporation

Phil Dyk on Behalf of

Michael C. Holland, P.E.
Global Remediation Project Manager

Date: 12/21/2005