

REVISED

4:03 pm, Nov 04, 2014

**POST
CLOSURE**

GIS REGISTRY INFORMATION

SITE NAME: Green Bay Petroleum Products Terminal

BRRTS #: 02-05-000658 **FID # (if appropriate):** 405085450

COMMERCE # (if appropriate): 54303-3737-75-A

CLOSURE DATE: 11/27/2007

STREET ADDRESS: 1075 W Hurlbut Ct

CITY: Green Bay

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 677031 Y= 453878

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1: _____

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

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

IF YES, STREET ADDRESS 1: _____

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

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

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



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Jack L. Fischer, A.I.A., Secretary

November 27, 2007

Mr. Tim Schmidt
US Oil Company, Inc.
425 S. Washington Street
PO Box 25
Combined Locks, WI 54113-0025

RE: **Final Closure with Land Use Limitation**

Commerce # 54303-3737-75-A DNR BRRTS # 02-05-000658
Green Bay Petroleum Products Terminal, 1075 W. Hurlbut Court, Green Bay

Dear Mr. Schmidt:

The Wisconsin Department of Commerce (Commerce) has determined that this site does not pose a significant threat to the environment and human health so long as current and subsequent property owner(s) adhere to the following limitations:

The barrier cap must be maintained in accordance with the enclosed maintenance plan.

Commerce has the authority per section 292.12(2), Wis. Stats., to require the maintenance of a barrier cap at this property. Failure to adhere to this limitation may result in financial penalties from \$10 to \$5,000 per day in accordance with section 292.99(1), Wis. Stats. Commerce may conduct inspections to ensure compliance with the maintenance plan. In the future, you may request that Commerce review *new* information to determine if the cap requirement can be changed or removed.

This site is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. It is in your best interest to keep all documentation related to the environmental activities at your site.

Please note that if contaminated soil is excavated in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

Robert H. Klauk
Senior Hydrogeologist
Site Review Section

enclosure:

cc: Jason T. Powell - METCO

PAVEMENT COVER AND BUILDING BARRIER MAINTENANCE PLAN

July 25, 2007

Green Bay Petroleum Products Terminal

Property Located at:

1075 West Hurlbut Court, Green Bay, WI 54303

FID # 405085450, WDNR BRRTS # 02-05-000658

See attached deed for legal description (Exhibit A). TAX # 6-29-A

Introduction

This document is the Maintenance Plan for a pavement cover at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing concrete loading pad occupying the area over the contaminated soil (GP-1B and GP-2B) on the property that could not be calculated down using the Site Specific Residual Contaminant Levels (SSRCL). The contaminated soil is impacted by Gasoline Range Organics, 1,2,4 & 1,3,5-Trimethylbenzene, Benzene, Ethylbenzene, Xylene, and Toluene. The location of the paved surfaces to be maintained in accordance with this Maintenance Plan, as well as the impacted soil are identified in the attached map (Exhibit B).

Cover Purpose

The paved surfaces over the contaminated soil serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. The paved surfaces also act as a partial infiltration barrier to minimize future soil-to-groundwater contaminant migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Annual Inspection

The paved surface overlying the contaminated soil as depicted in Exhibit B will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit C, Cap Inspection Log. The log will include recommendations for

necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site or property prior to disposal to ascertain if contaminants remain. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the paved surfaces overlying the contaminated soil are removed or replaced, the replacement barrier must be, at a minimum, equally impervious as the original paved surfaces. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the paved surfaces, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Contact Information

July 2007

Site or Property Owner and Operator:

US Oil Company, Inc
Attn: Tim Schmidt
425 S. Washington Street – PO Box 25
Combined Locks, WI 54113-0025
(920) 735-8283

Consultant: Jason T. Powell
METCO
1421 US Highway 16
La Crosse WI, 54601
(608) 781-8879

Commerce: Robert Klauk
Department of Commerce
2129 Jackson Street
Oshkosh, WI 54901-1805
(920) 424-0046



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Mary P. Burke, Secretary

September 27, 2007

Mr. Tim Schmidt
US Oil Company, Inc.
425 S. Washington Street
PO Box 25
Combined Locks, WI 54113-0025

RE: Case Closure Consideration with Proposed Land Use Limitation

Commerce # 54303-3737-75-A DNR BRRTS # 02-05-000658
Green Bay Petroleum Products Terminal, 1075 W. Hurlbut Court, Green Bay

Dear Mr. Schmidt:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure, prepared by METCO, for the site referenced above. It is understood that residual soil and groundwater contamination remain on site. This letter serves as written notice that no further investigation or remedial action is necessary.

Abandonment Requirements

Monitoring wells MW-1, MW-1B, and MW-3 through MW-9 are to be properly abandoned with the appropriate documentation (WDNR Abandonment Form 3300-5B) forwarded to Commerce at the letterhead address.

Land Use Limitation Requirement

Commerce has determined that this site does not pose a significant threat to the environment and human health as long as the barrier cap at this property is maintained. Residual petroleum concentrations in soil exceeding standards for the protection of human health from direct contact with contaminated soil under the loading rack. Therefore, the existing barrier cap must be maintained in accordance with the maintenance plan provided to prevent direct contact with shallow contaminated soil. A site figure that indicates the approximate area with shallow residual petroleum contamination in soil and the barrier cap maintenance plan are enclosed for your review.

This limitation must be adhered to by the current property owner and any subsequent owner. Failure to adhere to this restriction may result in financial penalties from \$10 to \$5,000 per day in accordance with section 292.99(1), Wis. Stats.

Acceptance of the limitation to be imposed on the property makes it unnecessary to conduct additional soil remediation activities on the property at this time. In the future, you may request that Commerce review any new information to determine if the barrier requirement or maintenance plan can be changed or removed. If you do not want this limitation on your property, you must contact the undersigned to determine what

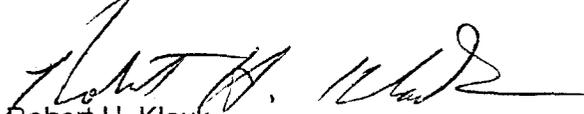
remedial activities will be required, at your own expense, to close this case without the cap maintenance requirement.

Claim Submittal Requirement

Timely filing of your final PECFA claim (if applicable) is encouraged. If your claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,



Robert H. Klauk
Senior Hydrogeologist
Site Review Section

Enclosure

cc: Jason T. Powell - METCO

1068481

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Exhibit A

SPECIAL WARRANTY DEED

THIS INDENTURE, made as of the 2ND day of DECEMBER, 1985, by and between CONOCO INC., a Delaware corporation (hereinafter referred to as "Grantor"), and U.S. OIL CO., INC., a Wisconsin corporation (hereinafter referred to as "Grantee");

W I T N E S S E T H:

That the said Grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration to it in hand paid by the said Grantee, the receipt of which is hereby acknowledged, hereby grants and conveys to the said Grantee an undivided one-quarter (1/4) interest in and to the following described real estate situated in the County of Brown, State of Wisconsin, to-wit:

Tract 1:

Part of Lots 45 and 46, Fort Howard Military Reserve, Green Bay, Brown County, Wisconsin, described as follows:

Commencing at the southeast corner of said Lot 46, marked by a 1 1/4 inch steel pipe, thence north 64°00' west 911.58 feet along the south line of Lot 46 to the point of beginning, marked by a 2 inch steel pipe 8 feet long, thence continuing north 64°00' west 835.55 feet along the south line of Lots 45 and 46 to the southeasterly line of Hurlbut Street marked by a 2 inch steel pipe 8 feet long, thence north 46°03'40" east 638.74 feet along the southeasterly line of Hurlbut Street, thence south 64°00' east 616.45 feet to a 2 inch

TRANSFER

♦ 251.40
FEE

steel pipe 8 feet long, thence south 26°00' west 600 feet to the point of beginning, containing 10 acres of land;

LESS AND EXCEPT:

All that part of Lots 45 and 46, Fort Howard Military Reserve, described as follows:

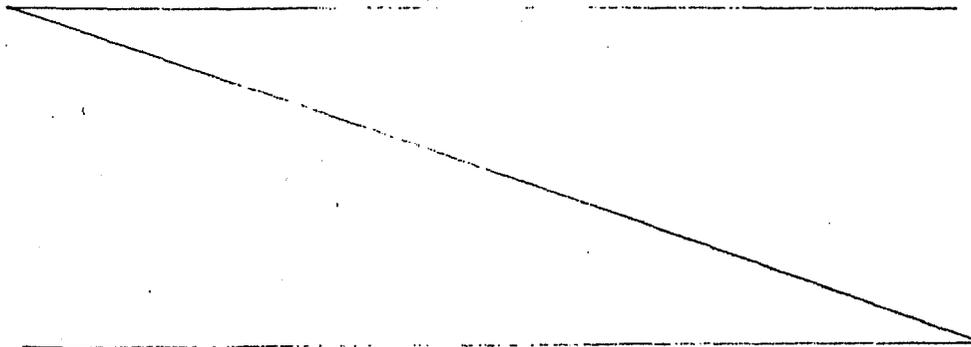
Beginning at the southeast corner of said Lot 45; Thence N 65°28'03" W along the south line of said Lot 45, a distance of 422.06 feet to the southeast line of Hurlbut Street; Thence N 44°43'39" E along said southeast line 569.20 feet; Thence S 3°00'46" E 602.51 feet to the south line of said Lot 46; Thence N 65°28'03" W 53.07 feet to the point of beginning, containing 2.91 acres more or less.

Tract 2:

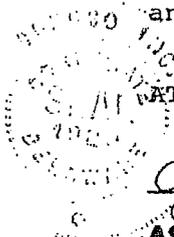
Outlot 1, Volume 6, Certified Survey Maps, Page 369, Brown County Records; being part of Lot 53 of Fort Howard Military Reserve, Township 24 North, Range 20 East, City of Green Bay, Brown County, Wisconsin. Said parcel of land contains 1.230 acres.

Total acres: 8.32

subject to all easements, restrictions, and encumbrances of record; and the said Grantor agrees to warrant and defend the title of the said Grantee to the above described property against anyone claiming by, through, or under it but no further.



IN WITNESS WHEREOF, the said Grantor has caused these presents to be signed by its duly authorized officer and its corporate seal to be affixed hereunto as of the day and year first above written.



ATTEST:

Jennifer Garcia
ASSISTANT SECRETARY

CONOCO INC.

By: WBMauris

Title: Attorney-in-Fact

SIGNED AND SEALED IN THE PRESENCE OF:

John W Wright, Jr.
Maya [Signature]

This instrument was drafted by:

Henry Salzhandler
P.O. Box 2197
Houston, Texas 77252

OWNER'S CERTIFICATE

As owners, we hereby certify that we caused the land described hereon to be surveyed, mapped and dedicated as shown.

Shona Klarkowski
Shona Klarkowski

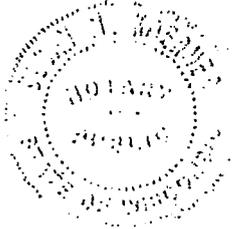
Anita Raleigh
Anita Raleigh

Michael R. Monfils
Michael R. Monfils, Mayor
City of Green Bay, Wisconsin

Paul G. Janquary
Paul G. Janquary, City Clerk
City of Green Bay, Wisconsin

State of Wisconsin)
County of Brown) SS

Subscribed and sworn to before me this 13th day of May, 1977



Susan M. Korman
Notary Public, Brown County,
Wisconsin

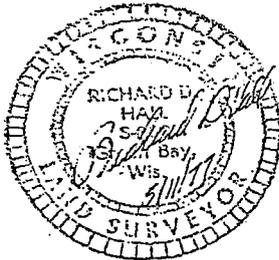
My Commission Expires 4-6-80

CERTIFICATE OF THE GREEN BAY PLAN COMMISSION

Approved for the Green Bay Plan Commission this 12th day of
MAY, 1977

Dale D. Preston
Dale D. Preston
Senior City Planner
Green Bay Plan Commission

REGISTER'S OFFICE }
Brown Co., Wis. }
Received for record the 13th day of
May, A. D. 1977 at 8:01
o'clock A.M. and recorded in Vol. 6
of Certified Survey Maps on Page 369...



Jay Debel
Register of Deeds

300
City of Green Bay

1068481

J 9754 I 29

STATE OF TEXAS §
COUNTY OF HARRIS §

On this the 2nd day of December, 1985,
before me, the undersigned Notary Public, personally appeared
N. B. Mavris, known to me to be the person
whose name is subscribed as attorney in fact for CONOCO
INC., a corporation, and acknowledged to me that he executed
the same as the act of said corporation for the purposes
therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and
official seal.

Fran J. Carson
Notary Public in and for the
State of Texas

My Commission Expires:

FRAN J. CARSON
Notary Public in and for the State of Texas
My Commission Expires 8/3/87

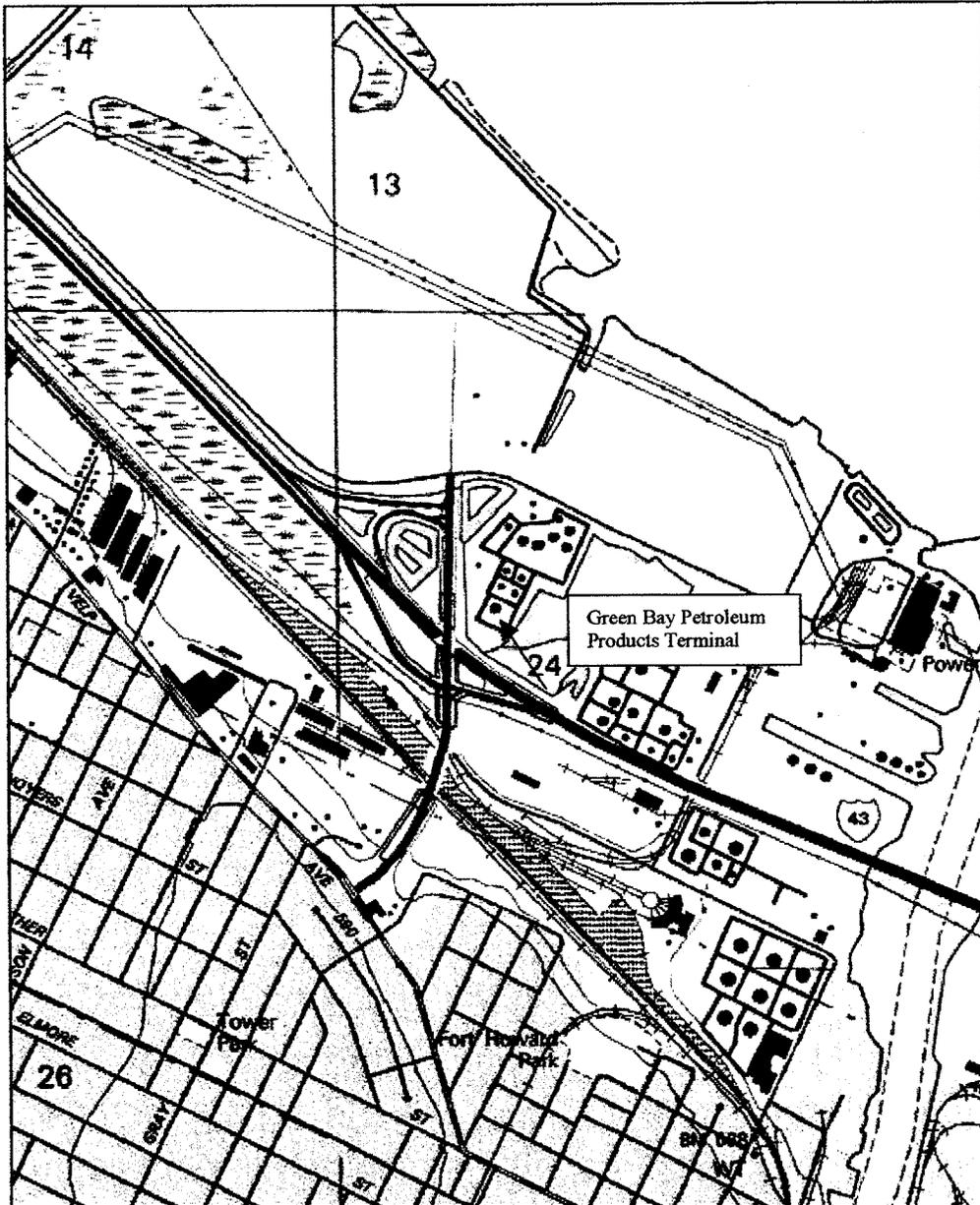
REGISTER OF DEEDS
BROWN COUNTY

JAN - 8 1986

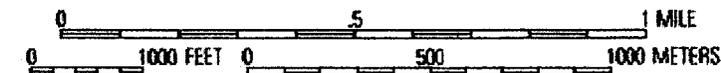
AT 11:51 O'CLOCK A M.
Cathy Willig REGISTER OF DEEDS

1000

TOPO! map printed on 06/05/06 from "Wisconsin.tpo" and "Untitled.tpg"

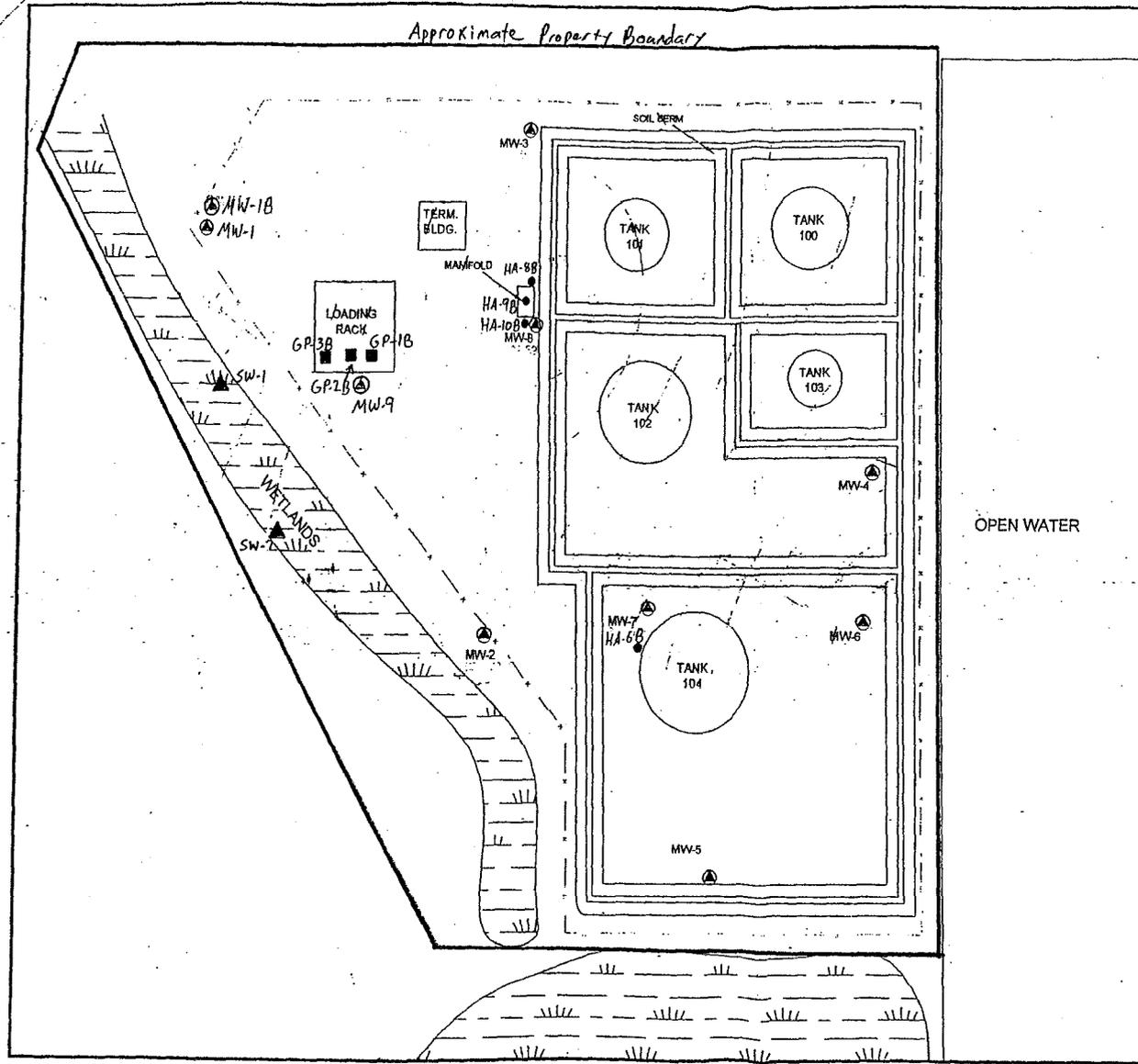


MN
3½°



Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

| |
|---|
| SITE LOCATION MAP – CONTOUR INTERVAL 10 FEET |
| GREEN BAY PETROLEUM PRODUCTS TERMINAL – GREEN BAY, WI |
| SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM |



- EXPLANATION**
- MW-1
Monitoring well location with identifier
 - Hand Auger Boring
 - Geoprobe Boring
 - ▲ Surface Water Sample
 - - - Fence line

SCALE IS APPROXIMATE

0 35 70 140 FT

FILE: J:\FIGURES\4438\MASTER\LOWO

DATE: 07/01/03 DRAWN BY: MLW CHECKED BY: RM

SOURCE:
Woodward Clyde base map.

US OIL
GREEN BAY PRODUCTS TERMINAL
GREEN BAY, WISCONSIN

LIESCH Hydrogeology • Geology • Environmental Sciences
6000 Gisholt Drive, Suite 203,
Madison, WI 53713
(608) 223-1332

FIGURE

Modified By METCO, ED, 6/15/06

Groundwater Analytical Results Summary
Green Bay Petroleum Products Terminal LUST Site BRRTS# 02-05-000658

Monitoring Well MW-1

PVC Elevation = 588.66 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/26/1997 | 584.78 | 3.88 | <0.21 | <0.68 | 0.88 | NS | <1.5 | <1.86 | <1.78 |
| 6/1/2003 | 580.55 | 8.11 | NR | NR | NR | NR | NR | NR | NR |
| 7/20/2004 | 585.78 | 2.88 | NOT SAMPLED | | | | | | |
| 10/14/2004 | DRY | | | | | | | | |
| 1/12/2005 | 580.51 | 8.15 | NOT SAMPLED | | | | | | |
| 4/13/2005 | DRY | | | | | | | | |
| 7/13/2005 | DRY | | | | | | | | |
| 10/13/2005 | DRY | | | | | | | | |
| 1/12/2006 | 580.97 | 7.69 | NOT SAMPLED | | | | | | |
| 4/12/2006 | 585.90 | 2.76 | <0.12 | <0.5 | <0.11 | <1.2 | <0.13 | <1.11 | <2.0 |

Monitoring Well MW-1B

PVC Elevation = 587.03 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 7/20/2004 | 581.50 | 5.53 | NOT SAMPLED | | | | | | |
| 10/14/2004 | 581.32 | 5.71 | <0.29 | <0.56 | 2.2 | <0.6 | <0.57 | <1.17 | <1.74 |
| 1/12/2005 | 581.73 | 5.30 | NOT SAMPLED | | | | | | |
| 4/13/2005 | 582.16 | 4.87 | <0.12 | <0.5 | <0.11 | <1.2 | <0.13 | <1.11 | <1.9 |
| 7/13/2005 | 580.34 | 6.69 | NOT SAMPLED | | | | | | |
| 10/13/2005 | 581.56 | 5.47 | NOT SAMPLED | | | | | | |
| 1/12/2006 | 582.00 | 5.03 | NOT SAMPLED | | | | | | |
| 4/12/2006 | 582.28 | 4.75 | NOT SAMPLED | | | | | | |

Monitoring Well MW-2

PVC Elevation = 588.02 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/26/1997 | 585.91 | 2.11 | <0.21 | <0.68 | 2.9 | NS | <1.5 | <1.86 | <1.78 |
| 6/1/2003 | 581.87 | 6.15 | <0.30 | <0.60 | 5.4 | <0.58 | <0.58 | <1.18 | <1.84 |
| 7/20/2004 | 581.12 | 6.90 | NOT SAMPLED | | | | | | |
| 10/14/2004 | 579.84 | 8.18 | <0.29 | <0.56 | 7.1 | <0.6 | <0.57 | <1.17 | <1.74 |
| 1/12/2005 | 581.76 | 6.26 | NOT SAMPLED | | | | | | |
| 4/13/2005 | 582.30 | 5.72 | <0.12 | <0.5 | 13 | <1.2 | <0.13 | <1.11 | <1.9 |
| 7/13/2005 | 579.94 | 8.08 | NOT SAMPLED | | | | | | |
| 10/13/2005 | 581.90 | 6.12 | <0.12 | <0.5 | 12 | <1.2 | <0.13 | <1.11 | <1.9 |
| 1/12/2006 | 582.38 | 5.64 | NOT SAMPLED | | | | | | |
| 4/12/2006 | 582.98 | 5.04 | 7.7 | <0.5 | 9.3 | <1.2 | 6.9 | 1.06-1.59 | 7.6 |

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance.

Groundwater Analytical Results Summary
Green Bay Petroleum Products Terminal LUST Site BRRTS# 02-05-000658

Monitoring Well MW-3

PVC Elevation = 586.08 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) | |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|--|
| 6/26/1997 | 585.54 | 0.54 | 6.4 | 0.82 | 430 | 2.72 | <1.5 | 5.1-5.96 | <2.4 | |
| 6/1/2003 | 581.93 | 4.15 | <0.30 | <0.60 | 70.0 | <0.58 | <0.58 | <1.18 | <1.84 | |
| 7/20/2004 | 581.74 | 4.34 | <0.15 | <0.21 | 92 | <0.97 | <0.14 | <1.23 | <0.6 | |
| 10/14/2004 | 580.69 | 5.39 | <0.29 | <0.56 | 89 | <0.6 | <0.57 | <1.17 | <1.74 | |
| 1/12/2005 | 581.29 | 4.79 | <0.29 | <0.56 | 87 | <0.6 | <0.57 | <1.17 | <1.74 | |
| 4/13/2005 | 582.50 | 3.58 | <0.12 | <0.5 | 59 | <1.2 | <0.13 | <1.11 | <1.9 | |
| 7/13/2005 | 579.97 | 6.11 | <0.12 | <0.5 | 95 | <1.2 | <0.13 | <1.11 | <1.9 | |
| 10/13/2005 | 582.55 | 3.53 | <0.12 | <0.5 | 53 | <1.2 | <0.13 | <1.11 | <1.9 | |
| 1/12/2006 | 582.62 | 3.46 | ICE IN CASING | | | | | | | |
| 4/12/2006 | | | WELL BLOCKED | | | | | | | |

Monitoring Well MW-4

PVC Elevation = 0

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|-----------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/26/1997 | NM | 0.92 | <0.21 | <0.68 | <0.21 | NS | 1.9 | <1.86 | <2.5 |

Monitoring Well MW-5

PVC Elevation = 0

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|-----------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/26/1997 | NM | 0.73 | 0.294 | <0.68 | <0.21 | NS | 2.7 | <1.86 | <2.7 |

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance.

Groundwater Analytical Results Summary

Green Bay Petroleum Products Terminal LUST Site BRRTS# 02-05-000658

Monitoring Well MW-6

PVC Elevation = 585.23 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/1/2003 | 580.32 | 4.91 | <0.30 | <0.60 | <0.58 | <0.58 | <0.58 | <1.18 | <1.84 |
| 7/20/2004 | 580.33 | 4.90 | NOT SAMPLED | | | | | | |
| 10/14/2004 | 579.10 | 6.13 | NOT SAMPLED | | | | | | |
| 1/12/2005 | 581.64 | 3.59 | NOT SAMPLED | | | | | | |
| 4/13/2005 | 581.40 | 3.83 | <0.12 | <0.5 | <0.11 | <1.2 | <0.13 | <1.11 | <1.9 |
| 7/13/2005 | 579.59 | 5.64 | NOT SAMPLED | | | | | | |
| 10/13/2005 | 581.79 | 3.44 | NOT SAMPLED | | | | | | |
| 1/12/2006 | 582.86 | 2.37 | NOT SAMPLED | | | | | | |
| 4/12/2006 | 582.62 | 2.61 | <0.12 | <0.5 | <0.11 | <1.2 | 0.45 | <1.11 | <1.9 |

Monitoring Well MW-7

PVC Elevation = 584.01 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/1/2003 | 581.35 | 2.66 | <0.30 | <0.60 | 12 | <0.58 | <0.58 | <1.18 | <1.84 |
| 7/20/2004 | 580.85 | 3.16 | NOT SAMPLED | | | | | | |
| 10/14/2004 | 580.04 | 3.97 | <0.29 | <0.56 | 16 | <0.6 | <0.57 | <1.17 | <1.74 |
| 1/12/2005 | 581.12 | 2.89 | NS | NS | NS | NS | NS | NS | NS |
| 4/13/2005 | 583.19 | 0.82 | <0.12 | <0.5 | 4.9 | <1.2 | <0.13 | <1.11 | <1.9 |
| 7/13/2005 | 578.94 | 5.07 | NOT SAMPLED | | | | | | |
| 10/13/2005 | 581.81 | 2.20 | <0.12 | <0.5 | 8.8 | <1.2 | <0.13 | <1.11 | <1.9 |
| 1/12/2006 | ICE IN CASING | | | | | | | | |
| 4/12/2006 | 583.16 | 0.85 | <0.12 | <0.5 | <0.11 | <1.2 | 0.237 | <1.11 | <1.9 |

Monitoring Well MW-8

PVC Elevation = 584.59 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|------------|-------------------|---------------|--------------------------|----------------------|
| 6/1/2003 | 582.39 | 2.20 | 88 | <0.60 | 3.5 | 0.63 | 1.1 | 3.6 | 22.77 |
| 7/20/2004 | 582.09 | 2.50 | 32 | <0.21 | 1.3 | <0.97 | 0.25 | <1.23 | <0.6 |
| 10/14/2004 | 580.63 | 3.96 | 142 | <0.56 | 8.4 | <0.6 | 0.88 | <1.17 | 1.72-2.36 |
| 1/12/2005 | 581.29 | 3.30 | 52 | <2.8 | 4.2 | <3 | <2.85 | <5.85 | <8.7 |
| 4/13/2005 | 582.92 | 1.67 | 84 | <0.5 | 6 | <1.2 | 0.86 | <1.11 | <1.9 |
| 7/13/2005 | 581.16 | 3.43 | 6.1 | <0.5 | 4.3 | <1.2 | <0.13 | <1.11 | <1.9 |
| 10/13/2005 | 582.65 | 1.94 | 6.9 | <0.5 | 4.8 | <1.2 | <0.13 | <1.11 | <1.9 |
| 1/12/2006 | 583.06 | 1.53 | 37 | <0.5 | <0.11 | <1.2 | <0.13 | <1.11 | <2.0 |
| 4/12/2006 | 583.14 | 1.45 | 26.9 | <0.5 | <0.11 | <1.2 | 0.42 | <1.11 | <1.9 |

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance.

Groundwater Analytical Results Summary

Green Bay Petroleum Products Terminal LUST Site BRRTS# 02-05-000658

Monitoring Well MW-9

PVC Elevation = 583.74 (FT) (MSL)

| Date | Water Elevation (in feet MSL) | Depth to Water (in feet) | Benzene (ppb) | Ethyl Benzene (ppb) | MTBE (ppb) | Naphthalene (ppb) | Toluene (ppb) | Trimethyl-benzenes (ppb) | Xylene (Total) (ppb) |
|------------|-------------------------------|--------------------------|---------------|---------------------|-------------|-------------------|---------------|--------------------------|----------------------|
| 6/1/2003 | 580.72 | 3.02 | 11000 | 2800 | 4700 | 880 | 16000 | 4100 | 10400 |
| 7/20/2004 | 582.14 | 1.60 | 8800 | 2400 | 3200 | 690 | 16000 | 2740 | 9900 |
| 10/14/2004 | 581.22 | 2.52 | 9750 | 2900 | 3520 | 965 | 20000 | 4960 | 14310 |
| 1/12/2005 | 580.98 | 2.76 | 9540 | 2100 | 5000 | 552 | 19600 | 2667 | 10760 |
| 4/13/2005 | 582.17 | 1.57 | 8500 | 1800 | 3200 | 510 | 17000 | 2410 | 10000 |
| 7/13/2005 | 581.42 | 2.32 | 9400 | 2600 | 2400 | 1400 | 19000 | 5400 | 13000 |
| 10/13/2005 | 582.21 | 1.53 | 9100 | 2100 | 2300 | 520 | 16000 | 2670 | 9600 |
| 1/12/2006 | 583.47 | 0.27 | 8400 | 1890 | 2650 | 510 | 15900 | 2320 | 9310 |
| 4/12/2006 | 582.62 | 1.12 | 8200 | 2590 | 1950 | 850 | 16400 | 4630 | 12300 |

Note: Bold type indicates an ES exceedance, *italics* indicates a PAL exceedance.

DATA TABLE FOR GREEN BAY PETROLEUM PRODUCTS TERMINAL LEAKING AST INVESTIGATION BRRTS# 02-05-000658

BY METCO

SAMPLING CONDUCTED ON NOVEMBER 29, 2006

GROUND WATER SAMPLES

| Sample Location Number | SW-1 | SW-2 | TRIP BLANK |
|------------------------------------|-----------------|-----------------|------------|
| Sample Depth in Feet | == | == | == |
| Soil Type | == | == | == |
| Petroleum Odors | NO | NO | == |
| Staining | NO | NO | == |
| Moisture | == | == | == |
| Benzene/ppb | 2.59 | 12 | < 0.17 |
| Ethylbenzene/ppb | < 1 | 1.01 "J" | < 1 |
| Methyl tert-butyl ether/ppb | 1.88 | 5.5 | < 0.52 |
| Naphthalene/ppb | < 0.73 | < 0.73 | < 0.73 |
| Toluene/ppb | 2.27 "J" | 12.9 | < 0.78 |
| 1,2,4-Trimethylbenzene/ppb | < 0.85 | 4 | < 0.85 |
| 1,3,5-Trimethylbenzene/ppb | < 1.1 | 2.45 "J" | < 1.1 |
| m & p-Xylene/ppb | 3.04 "J" | 16.1 | < 2 |
| o-Xylene/ppb | 2.78 | 13 | < 0.84 |

NOTE: ns = not sampled Bold = detects

METCO

Environmental Consulting, Fuel System Design, Installation and Service

Table 1a Soil Sample Field Screening and Polynuclear Aromatic Hydrocarbon Laboratory Results, U.S. Oil Green Bay Products Terminal, Green Bay, Wisconsin

| Sample Number | | | | | Polynuclear Aromatic Hydrocarbon Laboratory Result (microgram per kilogram) | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------|--------------------------|--------------------|----------------|---|----------------|-------------|--------------------|----------------------|----------------------|----------------------|----------------|----------|------------------------|--------------|------------|------------------------|----------------------|----------------------|-------------|--------------|------------|
| | Date | Depth (feet below grade) | PID Response (iui) | Description | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Benzo(a)pyrene | Chrysene | Dibenzo(a,h)anthracene | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | 1-Methyl naphthalene | 2-Methyl naphthalene | Naphthalene | Phenanthrene | Pyrene |
| WDNR Direct Contact RCL | | | | Industrial | 33,000,000 | NE | 100,000,000 | 2,110 | 2,110 | NE | 21,100 | 211 | 211,000 | 211 | 22,000,000 | 22,000,000 | 2,110 | 53,100 | 22,000,000 | 26,000 | NE | 16,500,000 |
| WDNR RCL for Groundwater Protection** | | | | | NE | NE | 197,727.3 | NE | 479.3 | NE | NE | 470 | 144.6 | NE | 88,817.9 | 14,802.7 | NE | NE | NE | 658.7 | NE | 54,132.2 |
| S102 | 07/22/14 | 1-2 | 7.9 | Sand | <21.1 | <19.5 | <18.5 | <18.4 | <18 | - | <20.6 | <19 | <18.5 | <22.4 | <18.1 | <20 | <24.4 | <19.5 | <20.4 | <21.1 | <24.7 | <20 |
| S501 | 07/22/14 | 1-2 | 14.8 | Silty sand | <21.1 | <19.5 | <18.5 | <18.4 | <18 | <23 | <20.6 | <19 | <18.5 | <22.4 | <18.1 | <20 | <24.4 | <19.5 | <20.4 | <21.1 | <24.7 | <20 |
| S801 | 07/22/14 | 0-1 | >100 | Silty sand | 2870 "J" | 1590 "J" | 1050 "J" | <920 | <900 | <1150 | <1030 | <950 | <925 | <1120 | <905 | 5200 | <1220 | 141000 | 240000 | 160000 | 10400 | 2740 "J" |
| S901 | 07/22/14 | 0-1 | >100 | Sand/Sity sand | 960 | 430 | 380 | 54 "J" | 32 "J" | <23 | <20.6 | <19 | 143 | <22.4 | 209 | 2130 | <24.4 | 3060 | 148 | 68 | 3700 | 640 |
| S1001 | 07/22/14 | 0-1 | >100 | Sand/Gravel | 330 | 104 | 188 | 156 | 311 | 214 | 136 | 142 | 229 | 26.4 "J" | 600 | 420 | 146 | 4100 | 1560 | 450 | 680 | 890 |
| S1101 | 07/22/14 | 0-1 | 2.9 | Silty sand | <21.1 | <19.5 | 46 "J" | 360 | 710 | 450 | 350 | 410 | 440 | 59 "J" | 970 | <20 | 360 | <19.5 | <20.4 | <21.1 | 195 | 760 |
| S1201 | 07/22/14 | 0-1 | 55.5 | Sand/Gravel | <21.1 | <19.5 | <18.5 | <18.4 | <18 | <23 | <20.6 | <19 | <18.5 | <22.4 | <18.1 | <20 | <24.4 | <19.5 | <20.4 | <21.1 | <24.7 | <20 |
| S1301 | 07/22/14 | 0-1 | 42.2 | Sand/Gravel | <21.1 | <19.5 | <18.5 | <18.4 | 31.2 "J" | <23 | <20.6 | <19 | 24.6 "J" | <22.4 | 28.5 "J" | <20 | <24.4 | <19.5 | <20.4 | <21.1 | <24.7 | 25.9 "J" |
| S1401 | 07/22/14 | 1-2 | 6.5 | Silty sand | <21.1 | <19.5 | <18.5 | <18.4 | <18 | <23 | <20.6 | <19 | <18.5 | <22.4 | <18.1 | <20 | <24.4 | <19.5 | <20.4 | <21.1 | <24.7 | <20 |

- <x = compound not detected to a detection limit of x
- XXX = exceeds WDNR Industrial RCL for direct contact risk
- XXX = exceeds WDNR RCL for protection of groundwater
- NE = not established by WAC (Wis. Adm. Code) or WDNR Soil RCL Summary Table
- "J" = analyte detected between the limit of detection and limit of quantification
- iui = instrument units as isobutylene
- PID = photoionization detector
- RCL = residual contaminant level

Notes: WDNR soil RCL Summary table (June 2014) used to establish RCLs for groundwater protection and direct contact.

Table 1b Soil Sample Field Screening and Petroleum Volatile Organic Compound Laboratory Results, U.S. Oil Green Bay Products Terminal, Green Bay, Wisconsin

| Sample Number | Date | Depth (feet below grade) | PID Response (iul) | Description | Volatile Organic Compound Laboratory Result (microgram per kilogram) | | | | | | |
|-------------------------------------|----------|-----------------------------|--------------------|-------------------|--|--------------|-----------------------------------|---------------|----------------------------|----------------------------|----------------|
| | | | | | Benzene | Ethylbenzene | Methyl tert-butyl ether (MTBE) | Toluene | 1,2,4-Trimethyl benzene | 1,3,5-Trimethyl benzene | Total Xylenes |
| WDNR Direct Contact RCL | | | | Industrial | 7,410 | 37,000 | 293,000 | 818,000 | 219,000 | 182,000 | 258,000 |
| WDNR RCL for Groundwater Protection | | | | | 5.1 | 1570 | 27 | 1107.2 | 1382.1 (combined) | | 3940 |
| S102 | 07/22/14 | 1-2 | 7.9 | Sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S201 | 07/22/14 | 0-1 | >100 | Sand/Silty sand | 280 | 101 | <25 | 540 | 1080 | 1790 | 1750 |
| S301 | 07/22/14 | 0-1 | 69.7 | Sand/Gravel | <25 | <25 | <25 | <25 | 242 | 114 | 139 |
| S401 | 07/22/14 | 0-1 | 22.1 | Gravel/Silty sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S501 | 07/22/14 | 1-2 | 14.8 | Silty sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S602 | 07/22/14 | 1-2 | >100 | Silty sand | 63 | <25 | <25 | <25 | <25 | <25 | <75 |
| S702 | 07/22/14 | 1-2 | 29.5 | Silty sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S801 | 07/22/14 | 0-1 | >100 | Silty sand | 98000 | 93000 | <1250 | 410000 | 1040000 "J" | 390000 | 1610000 |
| S901 | 07/22/14 | 0-1 | >100 | Sand/Silty sand | 36 | 275 | <25 | 80 | 380 | 570 | 289 |
| S1001 | 07/22/14 | 0-1 | >100 | Sand/Gravel | 7400 "J" | 690 | <250 | 700 | 19500 | 48000 | 10100 |
| S1101 | 07/22/14 | 0-1 | 2.9 | Silty sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S1201 | 07/22/14 | 0-1 | 55.5 | Sand/Gravel | 37 | 32 | <25 | 37 | 131 | 79 | 401 |
| S1301 | 07/22/14 | 0-1 | 42.2 | Sand/Gravel | 118 | 44 | <25 | <25 | <25 | 35 | <75 |
| S1402 | 07/22/14 | 1-2 | 6.5 | Silty sand | <25 | <25 | <25 | <25 | <25 | <25 | <75 |
| S1501 | 07/22/14 | 0-1 | 68.6 | Sand/Gravel | 122 | 53 | <25 | 46 | 48 | 100 | 254.8 |

Notes: WDNR soil RCL Summary table (June 2014) used to establish RCLs for groundwater protection and direct contact.

<x = compound not detected to a detection limit of x

XXX = exceeds WDNR RCL for direct contact risk

XXX = exceeds WDNR RCL for protection of groundwater

"J" = analyte detected between the limit of detection and limit of quantification

iul = instrument units as isobutylene

RCL = residual contaminant level

Table 1
 SEA - Soil Analytical Results - Geoprobe Locations
 Subsurface Environmental Assessment
 U.S. Oil - Green Bay Petroleum Products Terminal
 WCC Project No. 5E09598

| LOCATION BORING ID DEPTH OF SAMPLE (FEET BGS) | | | Load Rack GP-01 3 - 4 | Load Rack GP-02 2 - 3 | Load Rack GP-03 2 - 3 | Load Rack GP-04 1 - 2 | Load Rack GP-05 2 - 3 | Load Rack GP-06 1 - 2 | Manifold GP-07 2 - 3 | Circular Drive GP-08 1 - 2 | Circular Drive GP-09 2 - 3 | Former UST GP-10 2 - 3 | Tank #102 GP-11 2 - 3 |
|---|-------|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------------|----------------------------------|------------------------------|-----------------------------|
| PARAMETER | UNITS | NR 720 RCL | | | | | | | | | | | |
| PVOCs: | | | | | | | | | | | | | |
| Benzene | ug/kg | 5.5 | 40,000 | 12,000 | 11,000 | <250 | 1,700 | NA | 550 | NA | NA | NA | <25 |
| Ethylbenzene | ug/kg | 2,900 | 55,000 | 39,000 | 47,000 | 31,000 | 10,000 | NA | 430 | NA | NA | NA | 29 |
| MTBE | ug/kg | -- | <250 | <250 | <250 | <250 | <250 | NA | 33 | NA | NA | NA | <25 |
| Toluene | ug/kg | 1,500 | 9,900 | 17,000 | 7,500 | 85,000 | 1,900 | NA | 63 | NA | NA | NA | <25 |
| 1,2,4-Trimethylbenzene | ug/kg | -- | 170,000 | 220,000 | 180,000 | 290,000 | 120,000 | NA | 480 | NA | NA | NA | 110 |
| 1,3,5-Trimethylbenzene | ug/kg | -- | 55,000 | 120,000 | 81,000 | 100,000 | 40,000 | NA | 200 | NA | NA | NA | 56 |
| Xylene | ug/kg | 4,100 | 370,000 | 350,000 | 230,000 | 52,000 | 94,000 | NA | 970 | NA | NA | NA | 130 |
| DRO | mg/kg | 100 | 1,600 | 900 | 4,100 | 550 | 380 | 930 | <10 | <10 | <10 | <10 | <10 |
| GRO | mg/kg | 100 | 2,700 | 5,300 | 4,500 | 5,900 | 2,500 | NA | 12 | NA | NA | NA | <10 |

Notes:

- (1) NA = Sample not analyzed for this parameter
- (2) RCL = Residual Contaminant Level
- (3) Shading indicates exceedance of the NR720 generic RCLs
- (4) GP-01 indicates the Geoprobe boring ID.

Table 5
 SRI - Soil Analytical Results - Geoprobe Locations
 Supplemental Remedial Investigation
 U.S.Oil Green Bay Petroleum Products Terminal, Green Bay, Wisconsin
 Woodward-Clyde Project No. 5E05581 - Task 1.2

| LOCATION BORING ID DEPTH OF SAMPLE (ft. bgs) | | NR 720 RCL ¹ | Load Rack | | | Tank #100 | | Over Flow Drain | Perimeter | | | | | | |
|--|-------|----------------------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|--------------|-----------------|-------------|-------------|-------------|
| | | | GP13 5-6 | GP18 4-5 | GP21 5-6 | GP24 2-3 | GP25 5-6 | GP20 1-2 | GP12 7-8 | GP14 5-6 | GP16 9-10 | GP16-dup 5-6 | GP17 5-6 | GP23 1-2 | GP26 5-6 |
| PARAMETER | UNITS | | | | | | | | | | | | | | |
| % Solids | | | 82.0 | 82.6 | 81.8 | 79.9 | 88.3 | 84.7 | 84.4 | 87.3 | 83.8 | | 86.1 | 83.4 | 84.4 |
| GRO | mg/Kg | 100 | | | | <10 | <10 | 220 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| DRO | mg/Kg | 100 | <10 | <10 | <10 | | | | | | | | | <10 | |
| PVOCS | | | | | | | | | | | | | | | |
| Benzene | ug/Kg | 5.5 | | | | 55 | <25 | <25 | <25 | <25 | <25 | <25 | 52 | <25 | 46 |
| Ethylbenzene | ug/Kg | 2,900 | | | | <25 | <25 | 50 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| MTBE | ug/Kg | -- | | | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Toluene | ug/Kg | 1,500 | | | | 170 | <25 | 140 | <25 | <25 | <25 | <25 | 170 | <25 | 180 |
| 1,2,4-Trimethylbenzene | ug/Kg | -- | | | | <25 | <25 | 2,800 | <25 | <25 | 27 | <25 | <25 | 62 | <25 |
| 1,3,5-Trimethylbenzene | ug/Kg | -- | | | | <25 | <25 | 900 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Xylenes | ug/Kg | 4,100 | | | | 98 | <50 | 220 | <50 | <50 | <50 | <50 | 77 | <50 | 90 |
| PAHs | | | | | | | | | | | | | | | |
| Acenaphthene | ug/Kg | 38,000 | | | | <27 | | <27 | | | | | | | |
| Acenaphthylene | ug/Kg | 700 | | | | <24 | | <24 | | | | | | | |
| Anthracene | ug/Kg | 3,000,000 | | | | <9 | | <9 | | | | | | | |
| Benzo(a)Anthracene | ug/Kg | 17,000 | | | | <25 | | <25 | | | | | | | |
| Benzo(a)pyrene | ug/Kg | 48,000 | | | | <20 | | <20 | | | | | | | |
| Benzo(b)fluoranthene | ug/Kg | 360,000 | | | | <33 | | <33 | | | | | | | |
| Benzo(k)fluoranthene | ug/Kg | 870,000 | | | | <9 | | <9 | | | | | | | |
| Benzo(g,h,i)perylene | ug/Kg | 6,800,000 | | | | <18 | | <18 | | | | | | | |
| Chrysene | ug/Kg | 37,000 | | | | <24 | | <24 | | | | | | | |
| Dibenzo(a,h)Anthracene | ug/Kg | 38,000 | | | | <27 | | <27 | | | | | | | |
| Fluoranthene | ug/Kg | 500,000 | | | | <22 | | <22 | | | | | | | |
| Fluorene | ug/Kg | 100,000 | | | | <27 | | 330 | | | | | | | |
| Ideno(1,2,3-cd)pyrene | ug/Kg | 680,000 | | | | <22 | | <22 | | | | | | | |
| 1-Methyl-Naphthalene | ug/Kg | 23,000 | | | | 42 "J" | | 4,000 | | | | | | | |
| 2-Methyl-Naphthalene | ug/Kg | 20,000 | | | | <23 | | 720 | | | | | | | |
| Naphthalene | ug/Kg | 400 | | | | <17 | | <17 | | | | | | | |
| Phenanthrene | ug/Kg | 1,800 | | | | <9 | | 102 | | | | | | | |
| Pyrene | ug/Kg | 8,700,000 | | | | <17 | | <17 | | | | | | | |

Notes:

- (1) Wisconsin DNR NR720 generic residual contaminant levels (RCLs) for protection of groundwater. RCLs for PAHs are suggested values only.
- (2) Shaded entries indicate an exceedence of an NR720 generic RCL.
- (3) Blank cells indicate the associated sample was not analyzed for this parameter.

Table 2
SEA - Soil Analytical Results - Hand Auger Locations
Subsurface Environmental Assessment
U.S. Oil - Green Bay Petroleum Products Terminal
WCC Project No. 5E09598

| LOCATION | | | Tank #100 | Tank #104 | Tank #104 | Tank #104 | Manifold | Manifold | Manifold | Manifold |
|----------------------------|-------|---------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| BORING ID | | | HA-01 | HA-05 | HA-06 | HA-07 | HA-08 | HA-09 | HA-10 | HA-11 |
| DEPTH OF SAMPLE (FEET BGS) | | | 2 - 3 | 2 - 3 | 2.8 - 3.5 | 2 - 3 | 1 - 2 | 2 - 3 | 1 - 2 | 1 - 2 |
| PARAMETER | UNITS | NR 720 RCL | | | | | | | | |
| PVOCs: | | | | | | | | | | |
| Benzene | ug/kg | 5.5 | 42 | 3,500 | 41,000 | 480 | 3,600 | 11,000 | 7,600 | 200 |
| Ethylbenzene | ug/kg | 2,900 | 54 | 11,000 | 80,000 | 13,000 | 24,000 | 30,000 | 24,000 | 580 |
| MTBE | ug/kg | -- | <25 | <250 | 8,100 | <250 | <250 | <250 | <250 | <25 |
| Toluene | ug/kg | 1,500 | 32 | 40,000 | 230,000 | 32,000 | 4,300 | 5,600 | 79,000 | 170 |
| 1,2,4-Trimethylbenzene | ug/kg | -- | 140 | 58,000 | 270,000 | 53,000 | 290,000 | 160,000 | 110,000 | 4,100 |
| 1,3,5-Trimethylbenzene | ug/kg | -- | 56 | 17,000 | 86,000 | 16,000 | 140,000 | 74,000 | 45,000 | 650 |
| Xylene | ug/kg | 4,100 | 260 | 78,000 | 490,000 | 87,000 | 390,000 | 180,000 | 170,000 | 330 |
| DRO | mg/kg | 100 | <10 | 80 | 550 | <10 | 610 | 160 | 300 | <10 |
| GRO | mg/kg | 100 | <10 | 790 | 4,500 | 560 | 5,300 | 2,900 | 3,500 | 120 |

Notes:

- (1) NA = Sample not analyzed for this parameter
- (2) RCL = Residual Contaminant Level
- (3) Shading indicates exceedance of the NR720 generic RCLs
- (4) Soil samples from HA-02 - HA-04 were not analyzed

Table 6
SRI - Soil Analytical Results - Hand Auger Locations
Supplemental Remedial Investigation
U.S.Oil Green Bay Petroleum Products Terminal, Green Bay, Wisconsin
Woodward-Clyde Project No. 5E05581 - Task 1.2

| LOCATION | | NR 720 RCL ¹ | Load Rack | | Manifold | Tank #104 | | | | Perimeter | |
|---------------------------|-------|----------------------------|-----------|----------|----------|-----------|-------|------|------|-----------|------|
| BORING ID | | | HA19 | HA19-dup | HA18 | HA14 | HA15 | HA16 | HA17 | HA12 | HA13 |
| DEPTH OF SAMPLE (ft. bgs) | | | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 |
| PARAMETER | UNITS | | | | | | | | | | |
| % Solids | | | 85.3 | | 82.3 | 87.3 | 87.2 | 85.5 | 87.5 | 86.8 | 84.9 |
| GRO | mg/Kg | 100 | 15,000 | | 5,100 | <10 | 47 | <10 | <10 | <10 | <10 |
| DRO | mg/Kg | 100 | 8,100 | 8,100 | 1,400 | | | | | | |
| PVOCs | | | | | | | | | | | |
| Benzene | ug/Kg | 5.5 | 40,000 | | 4,900 | <25 | 930 | 59 | 35 | <25 | <25 |
| Ethylbenzene | ug/Kg | 2,900 | 170,000 | | 21,000 | <25 | 710 | <25 | <25 | <25 | <25 |
| MTBE | ug/Kg | -- | <2500 | | <250 | <25 | 330 | <25 | <25 | <25 | <25 |
| Toluene | ug/Kg | 1,500 | 600,000 | | 1,600 | <25 | 1,500 | 250 | 140 | 90 | 54 |
| 1,2,4-Trimethylbenzene | ug/Kg | -- | 900,000 | | 100,000 | <25 | 2,400 | 36 | 80 | <25 | <25 |
| 1,3,5-Trimethylbenzene | ug/Kg | -- | 270,000 | | 52,000 | <25 | 740 | <25 | 28 | <25 | <25 |
| Xylenes | ug/Kg | 4,100 | 1,400,000 | | 120,000 | <50 | 2,800 | 180 | 110 | <50 | <50 |
| PAHs | | | | | | | | | | | |
| Acenaphthene | ug/Kg | 38,000 | 1,450 | | 700 "J" | | <54 | | | | |
| Acenaphthylene | ug/Kg | 700 | <240 | | <240 | | <48 | | | | |
| Anthracene | ug/Kg | 3,000,000 | 320 | | 146 "J" | | <18 | | | | |
| Benzo(a)Anthracene | ug/Kg | 17,000 | <250 | | <250 | | <50 | | | | |
| Benzo(a)pyrene | ug/Kg | 48,000 | <200 | | 227 "J" | | <40 | | | | |
| Benzo(b)fluoranthene | ug/Kg | 360,000 | <330 | | <330 | | <66 | | | | |
| Benzo(k)fluoranthene | ug/Kg | 870,000 | <90 | | <90 | | <18 | | | | |
| Benzo(g,h,i)perylene | ug/Kg | 6,800,000 | <180 | | <180 | | <36 | | | | |
| Chrysene | ug/Kg | 37,000 | <240 | | <240 | | <48 | | | | |
| Dibenzo(a,h)Anthracene | ug/Kg | 38,000 | <270 | | <270 | | <54 | | | | |
| Fluoranthene | ug/Kg | 500,000 | <220 | | 510 "J" | | <44 | | | | |
| Fluorene | ug/Kg | 100,000 | 3,700 | | 1,070 | | <54 | | | | |
| Ideno(1,2,3-cd)pyrene | ug/Kg | 680,000 | <220 | | <220 | | <44 | | | | |
| 1-Methyl-Naphthalene | ug/Kg | 23,000 | 56,000 | | 9,700 | | 2,120 | | | | |
| 2-Methyl-Naphthalene | ug/Kg | 20,000 | 92,000 | | 12,900 | | 4,100 | | | | |
| Naphthalene | ug/Kg | 400 | 84,000 | | 7,100 | | 2,120 | | | | |
| Phenanthrene | ug/Kg | 1,800 | 5,500 | | 1,400 | | 59 | | | | |
| Pyrene | ug/Kg | 8,700,000 | 900 | | 880 | | <34 | | | | |

Notes:

- (1) Wisconsin DNR NR720 generic residual contaminant levels (RCLs). RCLs for PAHs are suggested values only.
- (2) Shaded entries indicate an exceedence of an NR720 generic RCL.
- (3) Blank cells indicate the associated sample was not analyzed for this parameter.

**GEOPROBE DATA TABLE FOR GREEN BAY PETROLEUM PRODUCTS TERMINAL LEAKING AST INVESTIGATION BRRTS# 02-05-000658
BY METCO**

SAMPLING CONDUCTED ON DECEMBER 20, 2006

SOIL SAMPLES

| Sample Location Number | GP-1B | GP-2B | GP-3B | MEOH BLANK |
|-----------------------------|--------------------------|--------------------------|--------------------------|------------|
| Sample Depth in Feet | 2 | 2 | 2 | == |
| Soil Type | SAND W/ROCK CHUNKS | SAND W/ROCK CHUNKS | SAND W/ROCK CHUNKS | == |
| Petroleum Odors | YES | YES | YES | == |
| Petroleum Staining | YES | YES | YES | == |
| Moisture | MOIST/WET | MOIST/WET | MOIST/WET | == |
| Solids Percent % | 87.1 | 86.7 | 84.9 | |
| Benzene/ppb | 288000 | 82000 | 1740 | < 25 |
| Ethylbenzene/ppb | 146000 | 155000 | 138 | < 25 |
| Methyl-tert-butyl ether/ppb | < 2500 | < 2500 | 85 | < 25 |
| Toluene/ppb | 1120000 | 380000 | 2990 | < 25 |
| 1,2,4-Trimethylbenzene/ppb | 2030000 | 370000 | 1980 | < 25 |
| 1,3,5-Trimethylbenzene/ppb | 870000 | 143000 | 770 | < 25 |
| m&p-Xylene/ppb | 2350000 | 470000 | 3600 | < 50 |
| o-Xylene/ppb | 1180000 | 232000 | 1690 | < 25 |

NOTE: ns = not sampled **Bold** = detects

"J" Flag: Analyte detected between LOD and LOQ

METCO

Environmental Consulting, Fuel System Design, Installation and Service

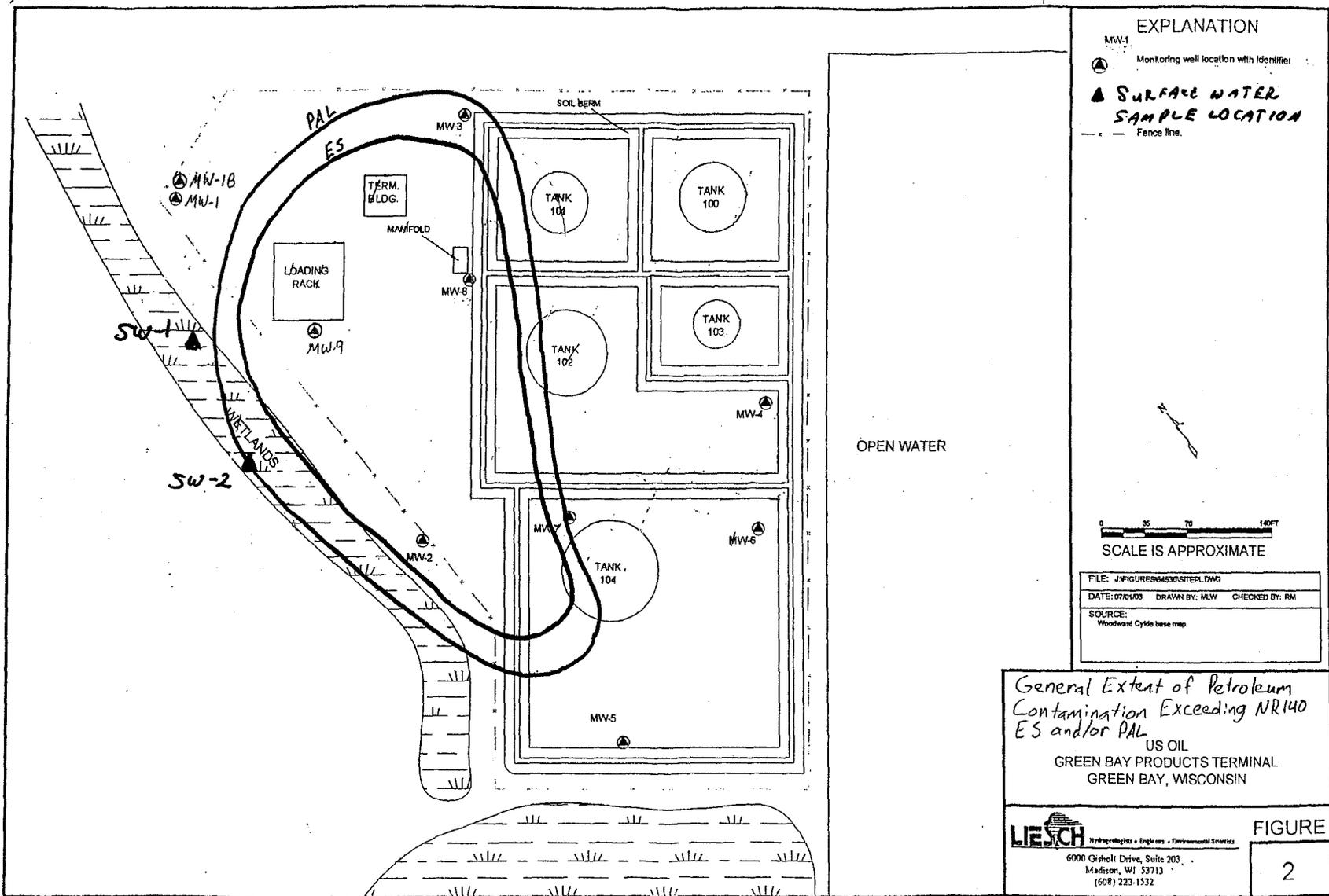
SOIL BORING DATA TABLE FOR GREEN BAY PETROLEUM PRODUCTS TERMINAL LEAKING AST INVESTIGATION BRRTS# 02-05-000658
BY METCO

SAMPLING CONDUCTED ON NOVEMBER 29, 2006

SOIL SAMPLES

| Sample Location Number | HA-6B | HA-8B | HA-9B | HA-10B | METH BLANK |
|-----------------------------|--------|--------------|--------------|---------------|------------|
| Sample Depth in Feet | 1-2 | 1-2 | 1-2 | 1-2 | == |
| Soil Type | SAND | SAND | SAND | SAND | |
| Petroleum Odors | W/SILT | W/SILT | W/GRAVEL | W/SILT | == |
| Staining | NO | YES | YES | YES | == |
| Moisture | NO | NO | YES | NO | == |
| | MOIST | MOIST | WET | MOIST | == |
| Solids Percent | 85.4 | 84.9 | 88.5 | 86.7 | ns |
| Benzene/ppb | < 25 | 2210 | 4500 | 51 | < 25 |
| Ethylbenzene/ppb | < 25 | 19400 | 3500 | 99 | < 25 |
| Methyl tert-butyl ether/ppb | < 25 | < 250 | < 250 | < 25 | < 25 |
| Naphthalene/ppb | ns | ns | ns | ns | ns |
| Toluene/ppb | < 25 | 590 | 930 | 38 | < 25 |
| 1,2,4-Trimethylbenzene/ppb | < 25 | 35000 | 20300 | 194 | < 25 |
| 1,3,5-Trimethylbenzene/ppb | < 25 | 13400 | 28100 | 104 | < 25 |
| m & p-Xylene/ppb | < 50 | 52000 | 8900 | 277 | < 50 |
| o-Xylene/ppb | < 25 | 2310 | 1900 | 53 "J" | < 25 |

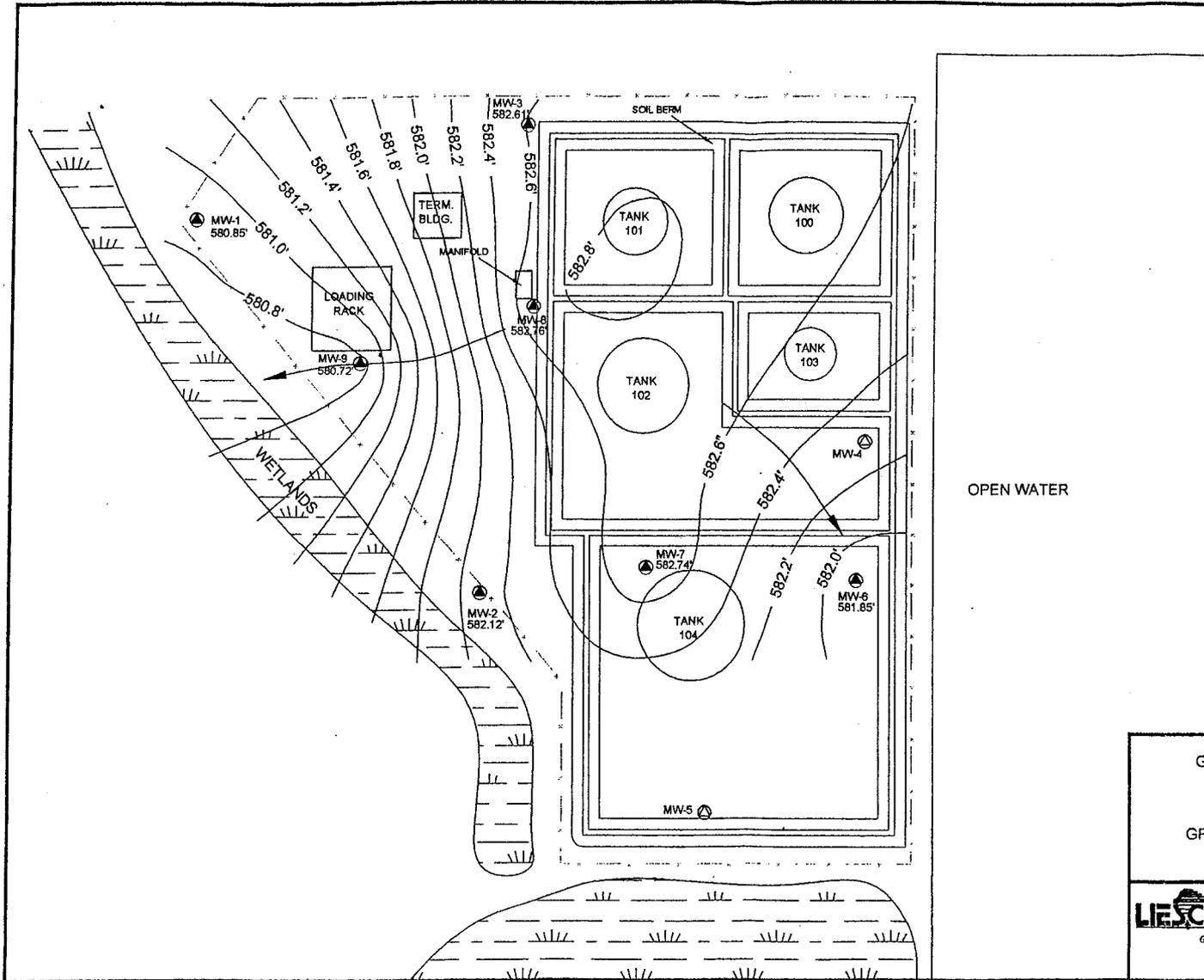
NOTE: ns = not sampled Bold = detects



**Groundwater Elevation Table
Green Bay Petroleum Products Terminal
Green Bay, Wisconsin**

| WELL ID | MW-1 | | MW-1B | | MW-2 | | MW-3 | | MW-4 | | MW-5 | | MW-6 | | MW-7 | | MW-8 | | MW-9 | |
|----------------|-------------|-------|---------------|-------|--------|-------|--------------|-------|-------|-------|-------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Ground Surface | 100.93 | | | | 99.04 | | 97.44 | | 98.06 | | 97.88 | | | | | | | | | |
| Top of Casing | 588.66 | | 587.03 | | 588.02 | | 586.08 | | | | | | 585.23 | | 584.01 | | 584.59 | | 583.74 | |
| Date | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth | Elv. | Depth |
| 6/26/1997 | 584.78 | 3.88 | NOT INSTALLED | | 585.91 | 2.11 | 585.54 | 0.54 | NM | 0.92 | NM | 0.73 | NOT INSTALLED | | NOT INSTALLED | | NOT INSTALLED | | NOT INSTALLED | |
| 6/1/2003 | 580.55 | 8.11 | NOT INSTALLED | | 581.87 | 6.15 | 581.93 | 4.15 | NM | NM | NM | NM | 580.32 | 4.91 | 581.35 | 2.66 | 582.39 | 2.2 | 580.72 | 3.02 |
| 7/20/2004 | 585.78 | 2.88 | 581.50 | 5.53 | 581.12 | 6.90 | 581.74 | 4.34 | NM | NM | NM | NM | 580.33 | 4.9 | 580.85 | 3.16 | 582.09 | 2.5 | 582.14 | 1.6 |
| 10/14/2004 | DRY | | 581.32 | 5.71 | 579.84 | 8.18 | 580.69 | 5.39 | NM | NM | NM | NM | 579.10 | 6.13 | 580.04 | 3.97 | 580.63 | 3.96 | 581.22 | 2.52 |
| 1/12/2005 | 580.51 | 8.15 | 581.73 | 5.30 | 581.76 | 6.26 | 581.29 | 4.79 | NM | NM | NM | NM | 581.64 | 3.59 | 581.12 | 2.89 | 581.29 | 3.3 | 580.98 | 2.76 |
| 4/13/2005 | NOT SAMPLED | | 582.16 | 4.87 | 582.30 | 5.72 | 582.50 | 3.58 | NM | NM | NM | NM | 581.40 | 3.83 | 583.19 | 0.82 | 582.92 | 1.67 | 582.17 | 1.57 |
| 7/13/2005 | DRY | | 580.34 | 6.69 | 579.94 | 8.08 | 579.97 | 6.11 | NM | NM | NM | NM | 579.59 | 5.64 | 578.94 | 5.07 | 581.16 | 3.43 | 581.42 | 2.32 |
| 10/13/2005 | DRY | | 581.56 | 5.47 | 581.90 | 6.12 | 582.55 | 3.53 | NM | NM | NM | NM | 581.79 | 3.44 | 581.81 | 2.2 | 582.65 | 1.94 | 582.21 | 1.53 |
| 1/12/2006 | 580.97 | 7.69 | 582.00 | 5.03 | 582.38 | 5.64 | 582.62 | 3.46 | NM | NM | NM | NM | 582.86 | 2.37 | WELL FROZEN | | 583.06 | 1.53 | 583.47 | 0.27 |
| 4/12/2006 | 585.90 | 2.76 | 582.28 | 4.75 | 582.98 | 5.04 | WELL BLOCKED | | NM | NM | NM | NM | 582.62 | 2.61 | 583.16 | 0.85 | 583.14 | 1.45 | 582.62 | 1.12 |

Notes: Elevation data is reported in feet Mean Sea Level (MSL).
All depths are reported in feet.



EXPLANATION

- MW-1 580.55' Monitoring well location with identifier and groundwater elevation in feet NGVD.
 - MW-4 Former monitoring well location with identifier.
 - 581.00' - Groundwater contour line with elevation in feet NGVD.
 - Groundwater flow direction.
 - - - Fence line.
- Note: Date indicates when water levels were measured.

0 25 75 140 FT
SCALE IS APPROXIMATE

| |
|--|
| FILE: J:\FIGURES\64539\GW_CNTR1103.DWG |
| DATE: 12/16/03 DRAWN BY: MLW, DAN CHECKED BY: RM |
| SOURCE: Woodward Clyde base map |

GROUNDWATER CONTOUR MAP
NOVEMBER 13, 2003

US OIL
GREEN BAY PRODUCTS TERMINAL
GREEN BAY, WISCONSIN

LIESCH Hydrologists • Engineers • Environmental Scientists
6000 Gisholt Drive, Suite 203
Madison, WI 53713
(608) 223-1332

FIGURE
2

POST
CLOSURE

ATKINSON DRIVE



SCALE IN FEET



LEGEND

- APPROXIMATE PROPERTY LINE
- B100 SOIL BORING LOCATION



1165 Scheuring Road, Green Bay, Wisconsin 54115
 Phone: 920-592-8400 Fax: 920-592-8444

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SITE LAYOUT WITH SOIL BORING LOCATIONS

U.S. VENTURE GREEN BAY PRODUCTS TERMINAL
 1075 HURLBUT COURT
 GREEN BAY, WISCONSIN

WDNR BRRTS Case #: 02-05-000658

WDNR Site Name: Green Bay Petroleum Products Terminal

Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party: TIMOTHY SCHMIDT
(print name/title)

Timothy A. Schmidt 6/27/06
(signature) (date)



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August 24, 2007

RECEIVED

AUG 25 2007

ERS OSHKOSH OFFICE

City of Green Bay
Department of Public Works
Attn: Ed Wiesner
100 North Jefferson Street, Room 300
Green Bay, WI 54301

Notification: Green Bay Petroleum Products Terminal (BRRTS # 02-05-000658), Conditional Case Closure Notification

Dear Mr. Wiesner:

I am writing to inform you that groundwater contamination from the Green Bay Petroleum Products Terminal site at 1075 W. Hurlbut Court exists within the right of way of Atkinson Drive to the west of the subject property.

As part of the required documentation, you are hereby notified that residual petroleum contamination exists in the groundwater within the right-of-way of Atkinson Drive to the west of the Green Bay Petroleum Products Terminal site at 1075 W. Hurlbut Court. Soil and groundwater contamination was found to exist in the area of the above ground petroleum storage tanks and loading rack. Groundwater contamination has migrated to the west into the right of way of Atkinson Drive. Depth to groundwater in this area is approximately 1 to 5 feet below ground surface.

If the contaminated groundwater is encountered during future construction, it may pose inhalation or other direct contact hazards. Any contaminated groundwater encountered will require sampling and analysis, as well as proper storage, treatment, and disposal of any excavated materials. We are enclosing a site map displaying an inferred groundwater contamination plume.

If you have any questions, or require more detailed information, please contact me at METCO's La Crosse office (608-781-8879).

Sincerely,

Jason T. Powell
Staff Scientist

Enclosure: Maps

C: Tim Schmidt – US Oil Company, Inc.
Robert Klauk – Commerce