

## **GIS Registry Disclaimer**

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

## Source Property Information

CLOSURE DATE: 05/14/2004

BRRTS #:

02-05-000267

ACTIVITY NAME:

U S OIL PIPELINE 1

PROPERTY ADDRESS:

2201 N Quincy

MUNICIPALITY:

Green Bay

PARCEL ID #:

FID #:

DATCP #:

PECFA#:

**\*WTM COORDINATES:**

**WTM COORDINATES REPRESENT:**

X:

679041

Y:

453057

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

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

### CONTINUING OBLIGATIONS

#### Contaminated Media for Residual Contamination:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties  
see "Impacted Off-Source Property Information,  
Form 4400-246")*

Soil Contamination > \*RCL or \*\*SSRCL (232)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties  
see "Impacted Off-Source Property Information,  
Form 4400-246")*

#### Site Specific Obligations:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between non-industrial and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

Direct Contact

Soil to GW Pathway

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government unit or economic  
development corporation was directed to  
take a response action )*

#### Monitoring Wells:

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

Yes  No  N/A

*\* Residual Contaminant Level*

*\*\*Site Specific Residual Contaminant Level*

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

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

BRRTS #:	02-05-000267 (No Dashes)	PARCEL ID #:	
ACTIVITY NAME:	U S OIL PIPELINE 1	WTM COORDINATES: X:	679041 Y: 453057

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

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

**SOURCE LEGAL DOCUMENTS**

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.  
**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).  
**Figure #:**                      **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

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

- Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.
- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
**Note:** Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.  
**Figure #: 1**                      **Title: Site Location Map**
  - Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #:**                      **Title:**
  - Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.  
**Figure #: 4, 3**                      **Title: Soil Sampling Locations - West Remedial Excavation & East Remedial Excavation**

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ACTIVITY NAME: U S OIL PIPELINE 1

**MAPS (continued)**

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

**Figure #: 2 Title: Pre-Remedial Geologic Cross Section A-A'**

**Figure #: 4 Title: Post-Remedial Geologic Cross Section A-A'**

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

**Note:** This is intended to show the total area of contaminated groundwater.

**Figure #: 1 Title: Ground Water Contour, Contaminant Distribution & Dissolved Oxygen Map**

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

**Figure #: 5a Title: Ground Water Sample Location and Contour Map**

**Figure #: Title:**

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

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

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

**Table #: 1a,1b,2a,2b Title: Pre-Remedial Soil Analytical Results, Post-Remedial Soil Sampling Results**

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

**Table #: 3 Title: Ground Water Analytical Results Summary**

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

**Table #: 3 Title: Ground Water Elevations**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

**Figure #: Title:**

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

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

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

BRRTS #: 02-05-000267

ACTIVITY NAME: U S OIL PIPELINE 1

**NOTIFICATIONS**

**Source Property**

**Not Applicable**

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

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

**Off-Source Property**

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

**Not Applicable**

**Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

**Number of "Off-Source" Letters:**

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

**Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.

**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

**Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

**Figure #:**                      **Title:**

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

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



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Northeast Region Headquarters  
1125 N. Military Ave., P.O. Box 10448  
Green Bay, Wisconsin 54307-0448  
Telephone 920-492-5800  
FAX 920-492-5913  
TTY Access via relay - 711

June 13, 2004

U.S. Oil Company, Inc.  
Attn: Mr. Don Johnston  
4255 South Washington Street  
P.O. Box 25  
Combined Locks, WI 54113

SUBJECT: Final Case Closure By Closure Committee With Conditions Met  
US Oil Pipeline 1, 2201 North Quincy Street, Green Bay, WI  
WDNR BRRTS # 02-05-000267

Dear Mr. Johnston:

On November 1, 2000, your site as described above was reviewed for closure by the Northeast Region Closure Committee. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On November 21, 2000, you were notified that the Closure Committee had granted conditional closure to this case.

On May 14, 2004, the Department received final correspondence indicating that you have complied with the conditions of closure (filed deed restriction, monitoring well abandonment and waste disposal documentation submitted). 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, Wis. Adm. Code. The Department considers this case closed on May 14, 2004, and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://gomapout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm> If your property is listed on the GIS Registry due to groundwater contamination exceeding ch. NR 140 standards at the time of closure, and you intend to construct or reconstruct a well, you will need Department approval. Department approval is required before construction or reconstruction of a well on a property listed on the GIS Registry, in accordance with s. NR 812.09(4)(w). 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 at the web address listed above.

If this is a PECFA site, section 101.143, Wis. Stats., requires that PECFA claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims

not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

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.

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

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me in Green Bay at (920) 492-5921.

Sincerely,



Keld B. Lauridsen  
Hydrogeologist  
Remediation & Redevelopment Program

cc: John Kennedy, Green Bay Metropolitan Sewage District,  
P.O. Box 19015, Green Bay, WI 54307-9015



Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

If construction is proposed on this property that will require dewatering, or if groundwater is to be otherwise extracted from this property, while this groundwater use restriction is in effect, the groundwater shall be sampled and analyzed for contaminants that were previously detected on the property and any extracted groundwater shall be managed in compliance with applicable statutes and rules.

If the contaminated soil that remains on the property is excavated in the future, it will have to be sampled and analyzed and the treatment or disposal of the soil as a solid or hazardous waste may be necessary.

The following activities are prohibited on that portion of the property described above where an existing permeable cap is in place in the vicinity of former monitoring well US2 and the existing pipeline, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources or its successor or assign: (1) Excavating or grading of the land surface; (2) Filling on the capped area; (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 cap or cover. In addition, the cap or cover shall be maintained in compliance with a plan prepared and submitted to the Wisconsin Department of Natural Resources by a responsible party, as required by section NR 724.13(2), Wis. Adm. Code (1999).

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

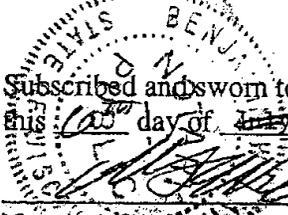
Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin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

Paul E.

By signing this document, Thormodsgard asserts that he/she is duly authorized to sign this document on behalf of Green Bay Metropolitan Sewerage District.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 6<sup>th</sup> day of ~~July~~ October, 2003.

Signature: Paul E. Thormodsgard  
Printed Name: Paul E. Thormodsgard  
Title: Executive Director



Subscribed and sworn to before me this 6<sup>th</sup> day of ~~July~~ October, 2003.

Notary Public, State of Wisconsin Benjamin W. Laird  
My commission PERMANENT

This document was drafted by the Wisconsin Department of Natural Resources based on information provided by U.S. Oil Co., Inc. and ERM, Inc.

EXHIBIT A

A rectangular parcel of land in part of Private Claim Forty-four (44) and in part of Private Claim Forty-five (45), East side of the Fox River being located in the City of Green Bay, Brown County, Wisconsin, more described as follows: Commencing at the intersection of the centerline of North Quincy Street with the Southerly line of said Private Claim Forty-four (44), East side of the Fox River, thence Northerly along the centerline of North Quincy Street a distance of 698.90 feet to the point of beginning;

thence Westerly  $N64^{\circ}01'00''W$  a distance of 1131.02 feet;

thence Northerly  $N25^{\circ}59'00''E$  to the wall of the southerly final clarifier a distance of 107.68 feet;

thence along an arc of a 70.79 foot radius curve to the right following the said southerly final clarifier wall, a distance of 74.34 feet; (long chord which bears  $S81^{\circ}13'06''E$ , 70.97 feet)

thence Easterly  $S64^{\circ}39'29''E$  following the southerly wall of the South Plant, a distance of 62.33 feet;

thence Northerly  $N25^{\circ}37'38''E$  following the southerly wall of the South Plant, a distance of 76.05 feet;

thence Easterly  $S64^{\circ}39'29''E$  following the southerly wall of the South Plant, a distance of 526.83 feet;

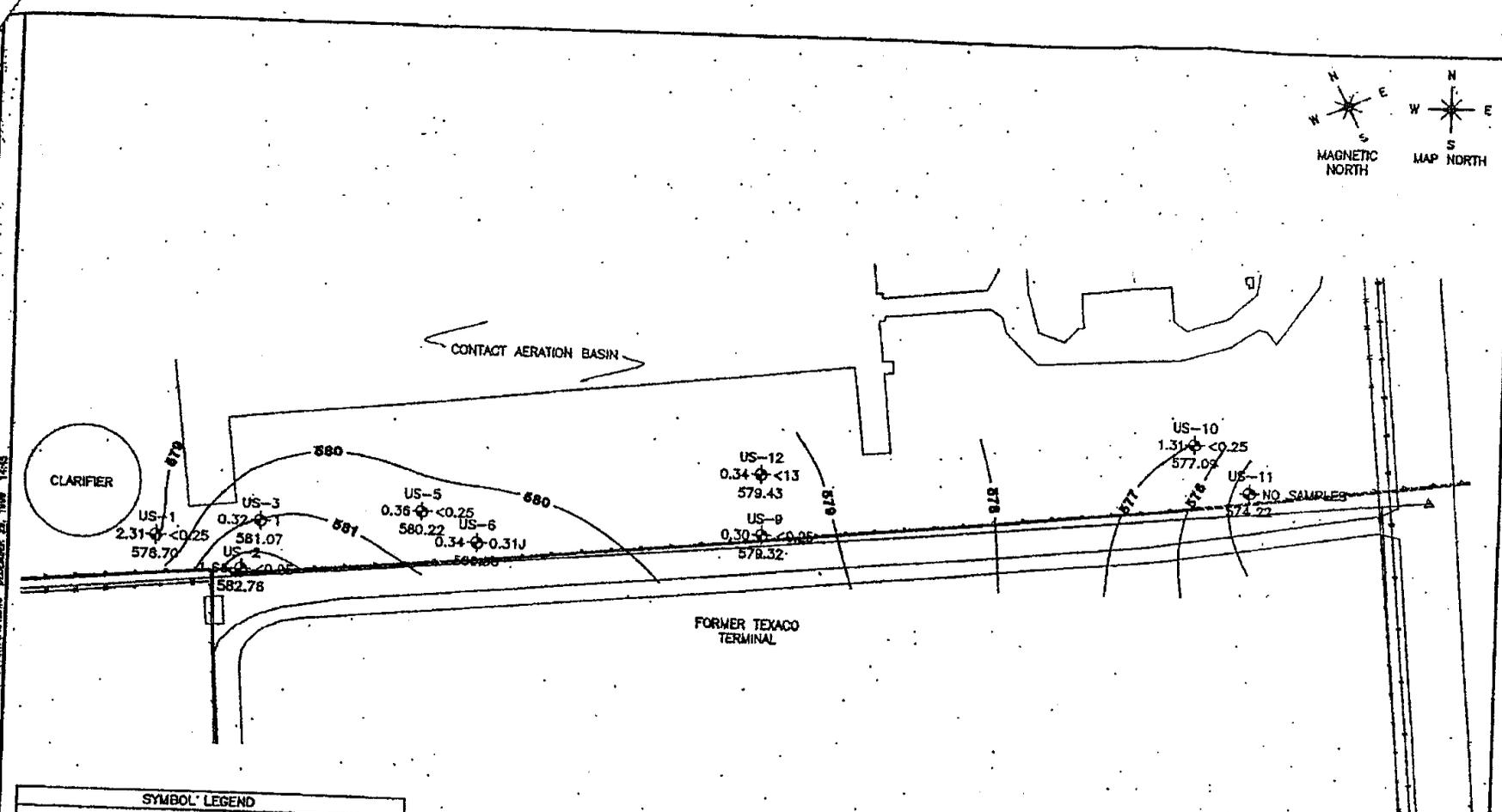
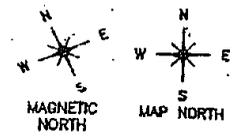
thence Southerly  $S25^{\circ}37'38''W$  following the southerly wall of the South Plant, a distance of 77.71 feet;

thence Easterly  $S64^{\circ}39'29''E$  following the southerly wall of the South Plant, a distance of 28.98 feet;

thence Northerly  $N25^{\circ}37'38''E$  following the easterly wall of the South Plant, a distance of 71.07 feet;

thence Easterly  $S64^{\circ}01'00''E$  a distance of 445.55 feet to the said centerline of North Quincy Street;

thence Southerly  $S25^{\circ}59'00''W$  a distance of 205.00 feet along the said centerline of North Quincy Street to the point of beginning.



**SYMBOL LEGEND**

	GROUNDWATER CONTOUR
	FENCE LINE
	GROUND WATER MONITORING WELL
	BENZENE (ug/L)
	GROUND WATER ELEVATION
	DO (mg/L)

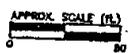
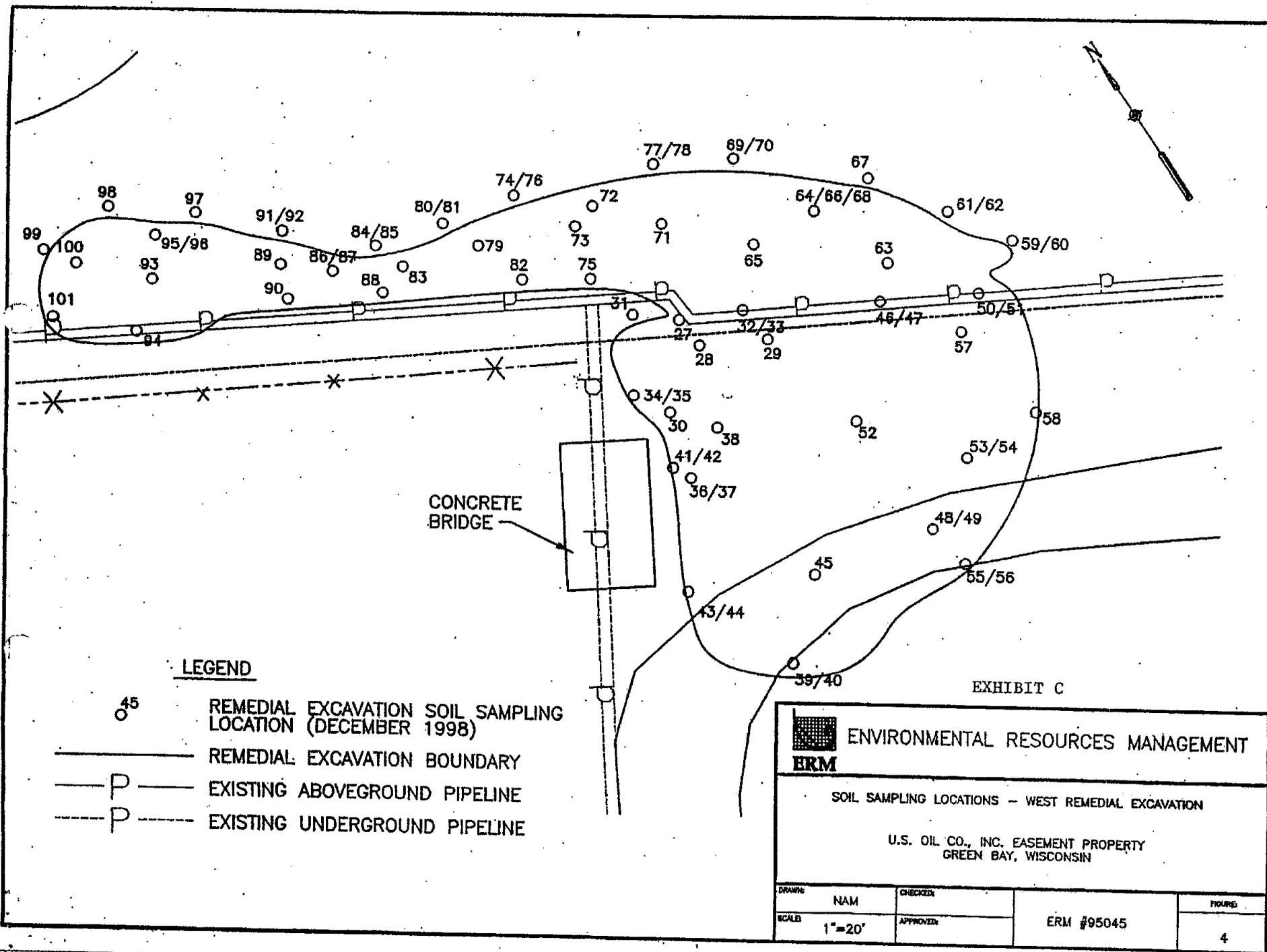


EXHIBIT B  
**FIGURE 1**  
 GROUND WATER CONTOUR, CONTAMINANT  
 DISTRIBUTION & DISSOLVED OXYGEN MAP  
 DECEMBER 7, 1999  
 U.S. OIL COMPANY INC. EASEMENT PROPERTY  
 GREEN BAY WISCONSIN



## Permeable Cap Maintenance Plan

Green Bay Pipeline Easement  
WDNR BRRTS #02-05-000267  
2201 North Quincy Street  
Green Bay, Wisconsin

May 9, 2003

**Purpose:** This plan is put forward to assure that a permeable cap is maintained over areas of contaminated soil along the Green Bay Pipeline Easement across property owned by the Green Bay Metropolitan Sewage District.

**Excavations:** No excavation or other activity that would disturb the permeable cap will occur without prior notification of the Wisconsin Department of Natural Resources, Green Bay Remediation & Redevelopment Program, unless on an emergency basis. If excavation or other soil disturbance is required due to an emergency, notification will be made to the WDNR within five working days of the event.

**Backfill:** Any excavation made into the permeable cap will be backfilled with clean soil of similar or lower permeability within 24 hours of the excavation or as quickly as weather permits. Any disturbance of the cap by any party other than U.S. Oil Co., Inc. will be repaired within five working days of the date of its discovery, weather permitting.

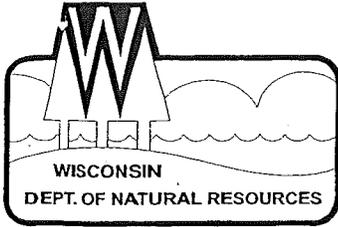
**Soil Management:** Any soil excavated from the area of the permeable cap will be either;

1. Tested prior to excavation and if contaminated transported directly to a facility licensed and approved to handle contaminated soil or stored on an impermeable surface and covered prior to transport off-site,
2. If excavation occurs prior to testing, excavated soil will be stored on an impermeable surface and covered prior to testing.
3. Any excavated soil tested and found not to be contaminated will be handled as uncontaminated fill, and may be returned to the excavated area, spread on site, or removed from the site for use elsewhere. If soils are removed from site, the WDNR will be consulted regarding any additional contaminate parameters that should be checked.
4. Testing of soils will be conducted with appropriate detection levels in accordance with chapter NR 718, Wis. Adm. Code.

**Filling on Permeable Cap:** If addition materials are placed over the permeable cap, a letter documenting the amount, thickness, and area covered will be sent to the WDNR within 30 days of the material placement.

**Recordkeeping:** Any excavation, backfilling or filling activities will be recorded on the following form recording the date(s) of activity, volumes or weights of soil/fill involved and initialed by the person in charge of the activity.





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

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

November 21, 2000

U.S. Oil Company, Inc.  
Attn: Mr. Don Johnston  
4255 South Washington Street  
P.O. Box 25  
Combined Locks, WI 54113

**SUBJECT: Case Closure with a Groundwater Use Restriction and Soil Performance Standard (Permeable Cap) for the US Oil Pipeline 1 site, 2201 North Quincy Street, Green Bay, WI WDNR BRRTS # 02-05-000267**

Dear Mr. Johnston:

On November 1, 2000, the Bureau for Remediation and Redevelopment's Northeast Region Closure Committee met to discuss the above referenced site. The committee has agreed to close this site pending the completion and filing of a soil and groundwater use deed restriction and the placing of a permeable cap at your site. The soil and groundwater use deed restriction will state that petroleum soil and groundwater contamination remains on the property and additional remedial action is not feasible at this time. It will also state that the existing permeable soil cap must be maintained to minimize contaminant infiltration to groundwater and direct contact concerns. You should be aware that the 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.

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 permeable soil cap you propose to place 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.

Only when the soil and groundwater use deed restriction has been finalized and filed with Brown County and proof of the filing of the deed restriction and the public notice are received by the Department, can this site be closed. To expedite the completion of the restriction and closure process, the Department requests that you submit the following:

- A complete, legible and unabbreviated legal description of the property
- A legible copy of the most recent deed for your property

- Available maps, such as a survey map, showing the property boundaries, building outlines, monitoring well/piezometer locations

If you do not have these documents they can be obtained from the Brown County Register of Deeds. Once this information is received, the Department will send you a draft copy of the soil and groundwater use deed restriction containing language regarding the remaining petroleum contamination and the permeable cap covering it.

If the draft deed restriction returned to you is accurate and acceptable, please sign it, file it with the Register of Deeds office and return a copy of the signed and filed restriction along with proof of filing of the Class 1 public notice to the Department for our records. The Department must also receive documentation of proper abandonment of any and all monitoring wells, extraction wells, sumps, piezometers and soil venting systems if you do not intend to perform long term monitoring at your site. Once this information has been received this case will be conditionally closed.

This soil and groundwater use deed restriction and the placement of the permeable cap are options that the Department can offer in order to conditionally close this site. If you choose not to accept these options, you will need to perform additional investigation and cleanup of the remaining contamination. Within 14 days of receipt of this notice, please submit a letter to the Department documenting your intentions.

If you have any additional relevant information concerning this matter that has not been formerly provided to the Department, you should submit this information to the Department for reevaluation.

The Department appreciates the actions you and your environmental consultant have undertaken to restore the environment at this site. If you have any questions, please contact me in Green Bay at (920) 492-5921.

Sincerely,



Keld B Lauridsen

Hydrogeologist

Bureau for Remediation & Redevelopment

Enclosure: Newspapers for Public Notices  
Example Public Notice

cc: Gina Seegers Szablewski, ERM, Inc.,  
700 West Virginia Street, Milwaukee, WI 53204

DOCUMENT NO.

1127457

WARRANTY DEED  
STATE OF WISCONSIN - FORM 2

J 12166 1 32

THIS SPACE RESERVED FOR RECORDING DATA

REGISTER OF DEEDS  
BROWN COUNTY

1987 JUN 16 PM 3 45

CATHY WILLOUETTE BREUNIG  
REGISTER OF DEEDS

(A)

This Indenture, Made this 28th day of May  
A. D. 1987, between Wisconsin Public Service Corporation  
a Corporation duly organized and existing under and by  
virtue of the laws of the State of Wisconsin, located at Green Bay  
Wisconsin, party of the first part, and Green Bay Metropolitan Sewerage  
District

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 good and valuable consideration  
to it paid by the said part Y of the second part, the receipt whereof is hereby conferred and  
acknowledged, has given, granted, bargained, sold, released, aliened, conveyed and con-  
firmed, and by these presents does give, grant, bargain, sell, remise, alien, convey, and confirm unto  
the said part Y of the second part, 1/8 heirs and assigns forever, the following described real estate, situated in  
the County of Brown, State of Wisconsin, to-wit:

Parcel "4" of Plat of Survey, recorded in Jacket 11977, Image 34, Document No.  
1122758, Brown County Records on May 6, 1987, being a part of Private Claim 44,  
East Side of Fox River, City of Green Bay, Brown County, Wisconsin.

FILE  
77-25(2)  
DRAFT

(BY INSTRUMENT, CONTAINING DESCRIPTION ON REVERSE SIDE)

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

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said part Y  
of the second part, and to their heirs and assigns FOREVER.

And the said Wisconsin Public Service Corporation  
party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said part Y of the  
second part, 1/8 heirs and assigns, that at the time of the executing and delivery of these presents it is well  
served of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple,  
and that the same are free and clear from all encumbrances whatever.

and that the above bargained premises in the quiet and peaceable possession of the said part Y of the second part, 1/8  
heirs, and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, it will forever WARRANT and  
DEFEND.

In Witness Whereof, the said Wisconsin Public Service Corporation  
party of the first part, has caused these presents to be signed by E. R. Mathews, its Senior Vice  
President, and countersigned by R. H. Knuth its Secretary,  
at Green Bay Wisconsin, and its corporate seal to be hereunto affixed, this  
28th day of May A. D. 1987

SIGNED AND SEALED IN PRESENCE OF

WISCONSIN PUBLIC SERVICE CORPORATION

E. R. Mathews  
President

E. R. Mathews - Senior Vice

R. H. Knuth  
Secretary

STATE OF WISCONSIN

Brown County, Wis

Personally came before me, this 28th day of May, A. D. 1987,  
E. R. Mathews, Senior Vice President, and R. H. Knuth, Secretary

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

THIS INSTRUMENT WAS DRAFTED BY

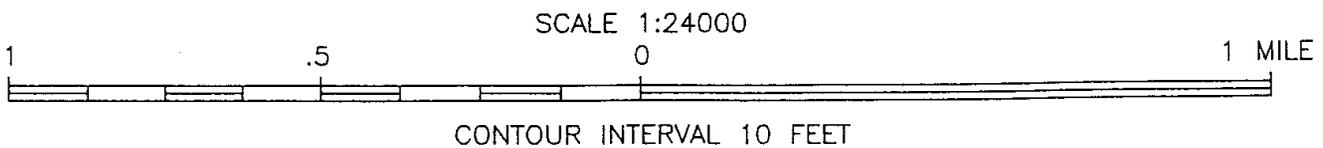
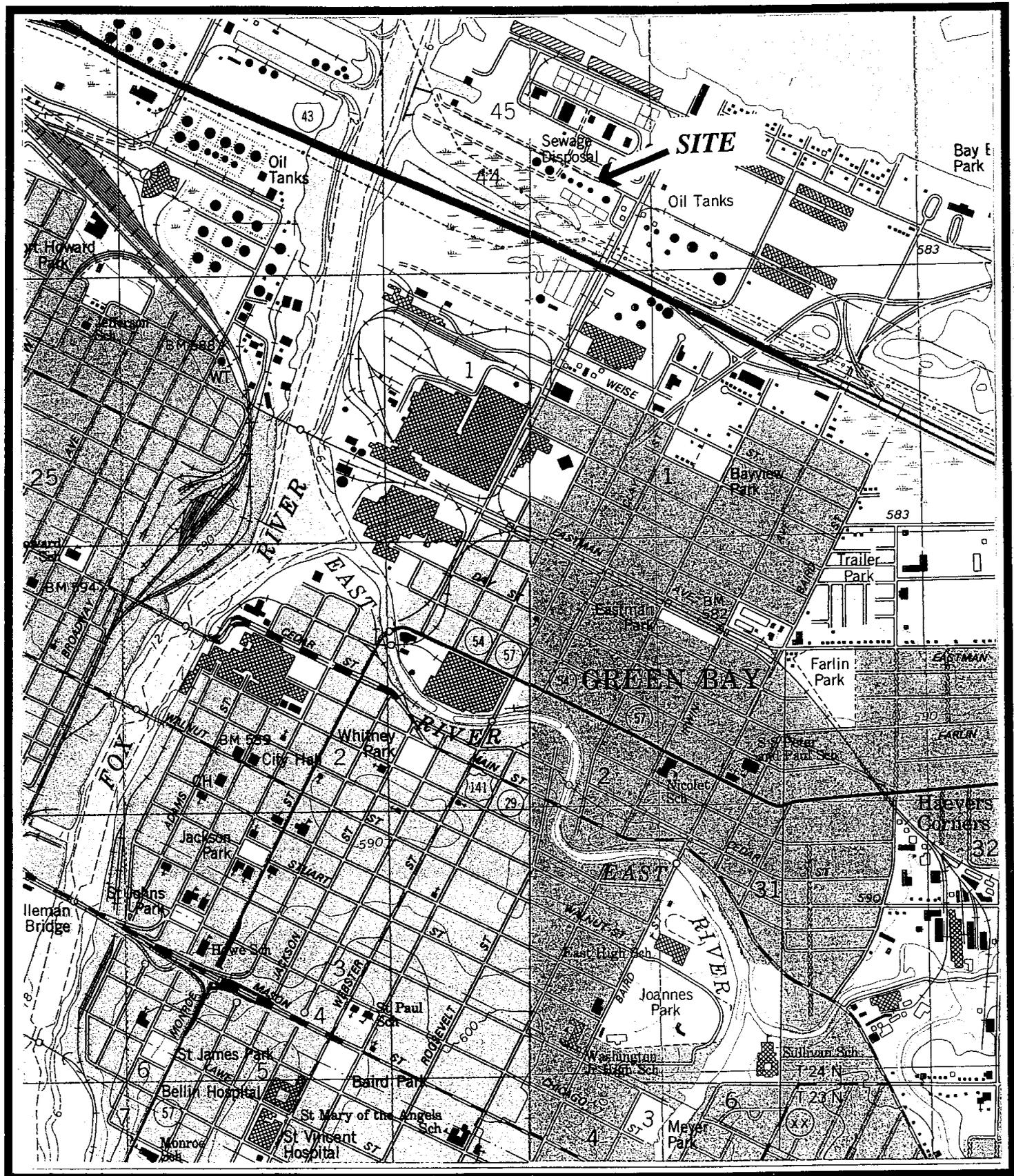
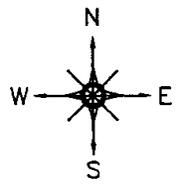
R. C. Buttko for WPS

NOTARY  
PUBLIC

Priscilla Delort  
Notary Public, Brown County, Wis.  
My commission (expires) August 20, 1989

(Section 29.11 (1) of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed at the beginning thereof  
the name of the grantor, grantee, witness and party. Section 29.113 similarly requires that the name of the person who, or persons  
mutual agency which drafted such instrument, shall be printed, typewritten, stamped or written therein in a legible manner.)

GREEN BAY WEST & EAST QUADRANGLE  
 WISCONSIN  
 7.5 MINUTE SERIES (TOPOGRAPHIC)  
 1982

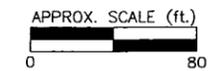
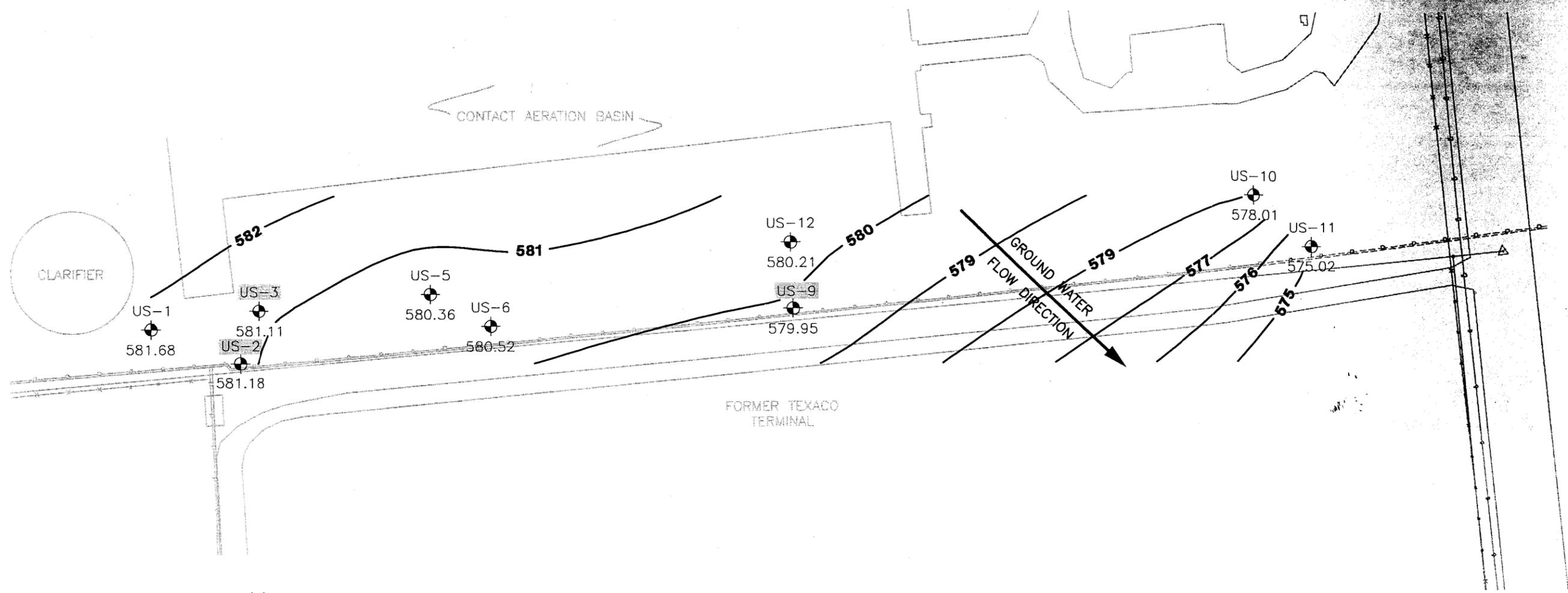


QUADRANGLE LOCATION  
 TOWNSHIP 24N  
 RANGE 21E

**FIGURE 1**  
**SITE LOCATION MAP**  
**U.S. OIL CO., INC.**  
**GREEN BAY, WISCONSIN**



FILE F:\Cpf\uso\95045nc\Acad\1999GWMONRPT\FIG1.DWG NOVEMBER 7, 1999  
 DRAWN: NMCNROE



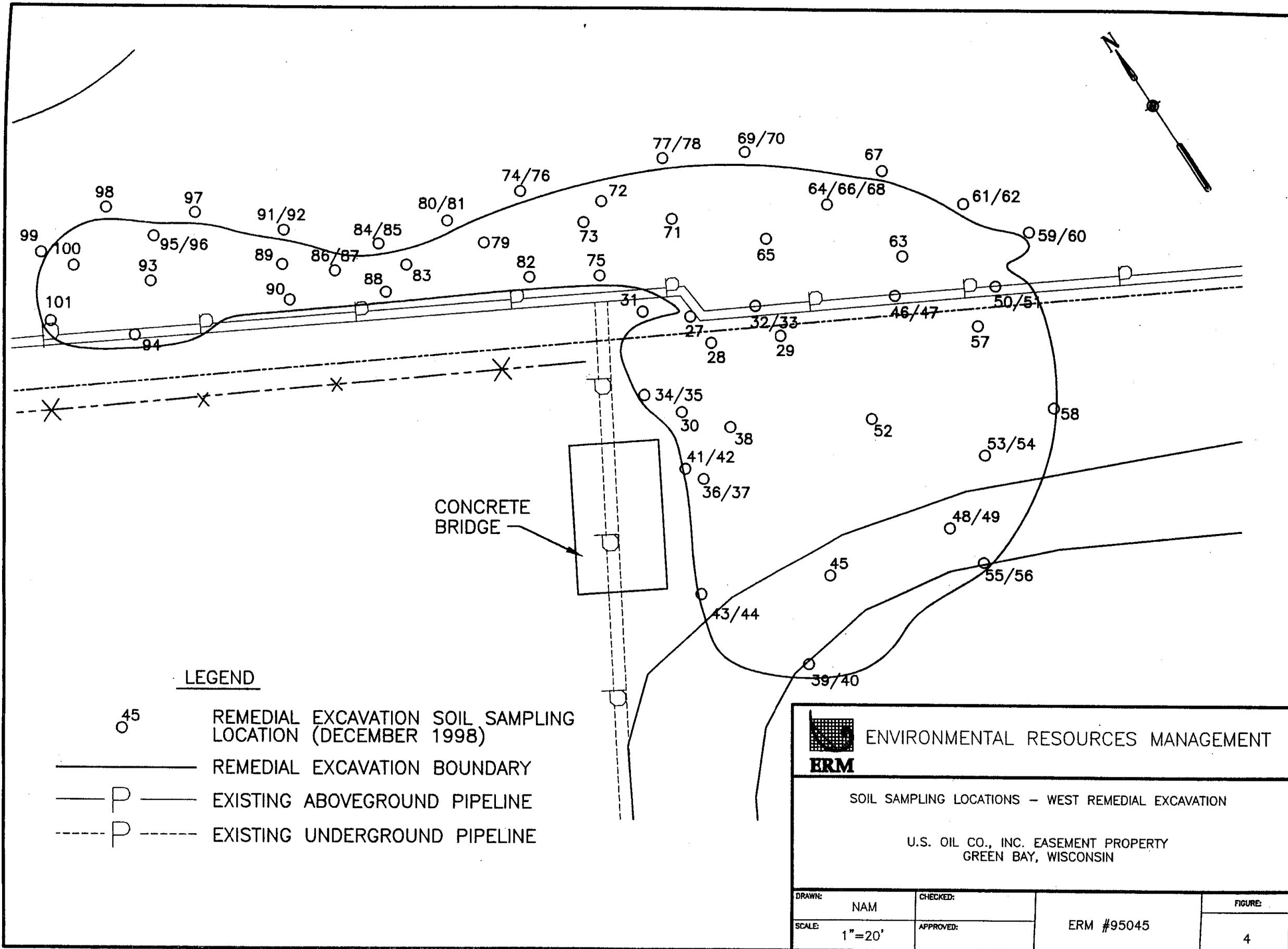
SYMBOL LEGEND	
	GROUNDWATER CONTOUR
	FENCE LINE
	GROUND WATER MONITORING WELL
	GROUND WATER ELEVATION

**NOTE:**  
SHADING INDICATES GROUND WATER EXCEEDS THE PREVENTIVE ACTION LIMIT AS SPECIFIED IN CHAPTER NR140 OF THE WAC.

**FIGURE 5a**  
**GROUND WATER SAMPLE LOCATION AND CONTOUR MAP**  
**SEPTEMBER 13, 1999**  
**U.S. OIL COMPANY INC. EASEMENT PROPERTY**  
**GREEN BAY, WISCONSIN**



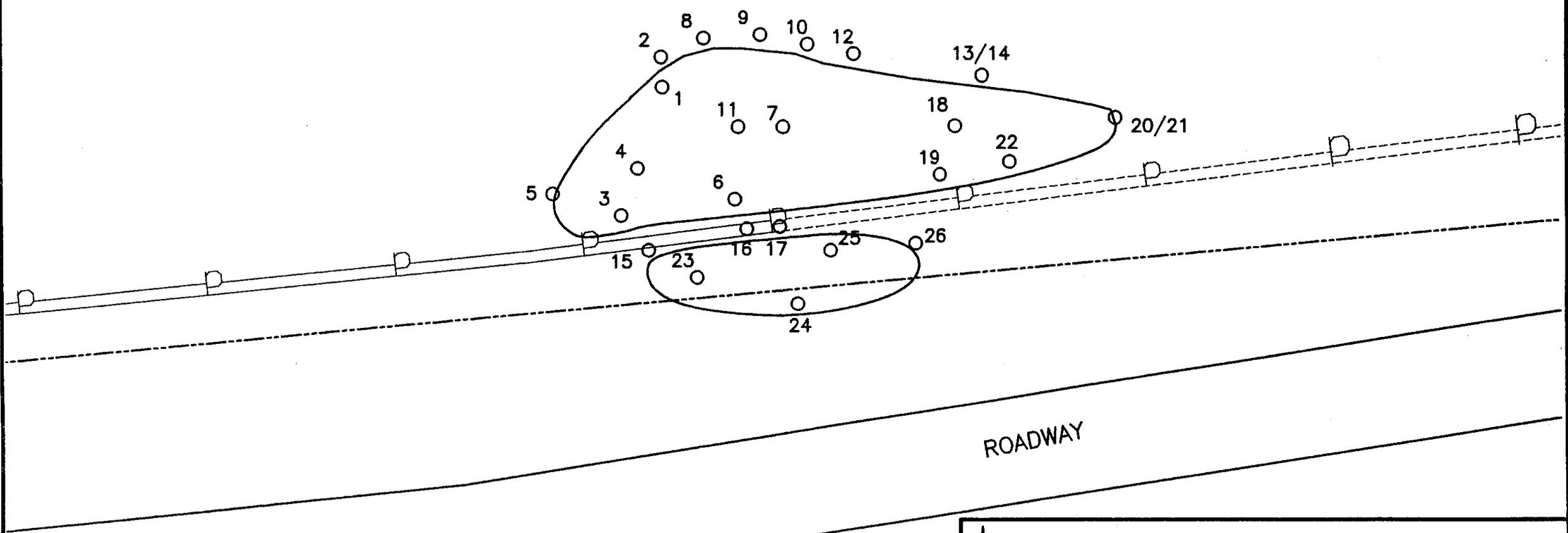
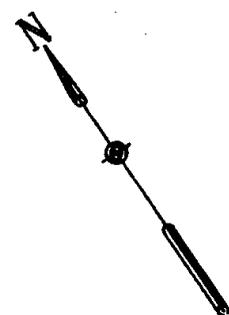
FILE S:\CPF\BC7\BC702\03\ACAD\FIG5A.DWG APR 04, 2000 10:13 AM  
 DRAWN FKS



**LEGEND**

- 45      REMEDIAL EXCAVATION SOIL SAMPLING LOCATION (DECEMBER 1998)
- REMEDIAL EXCAVATION BOUNDARY
- P ——— EXISTING ABOVEGROUND PIPELINE
- - - P - - - EXISTING UNDERGROUND PIPELINE

<b>ENVIRONMENTAL RESOURCES MANAGEMENT</b> <b>ERM</b>			
SOIL SAMPLING LOCATIONS - WEST REMEDIAL EXCAVATION			
U.S. OIL CO., INC. EASEMENT PROPERTY GREEN BAY, WISCONSIN			
DRAWN:	CHECKED:	ERM #95045	FIGURE:
SCALE:	APPROVED:		4



**LEGEND**

- <sup>45</sup> REMEDIAL EXCAVATION SOIL SAMPLING LOCATION (DECEMBER 1998)
- REMEDIAL EXCAVATION BOUNDARY
- P——— EXISTING ABOVEGROUND PIPELINE
- P----- EXISTING UNDERGROUND PIPELINE



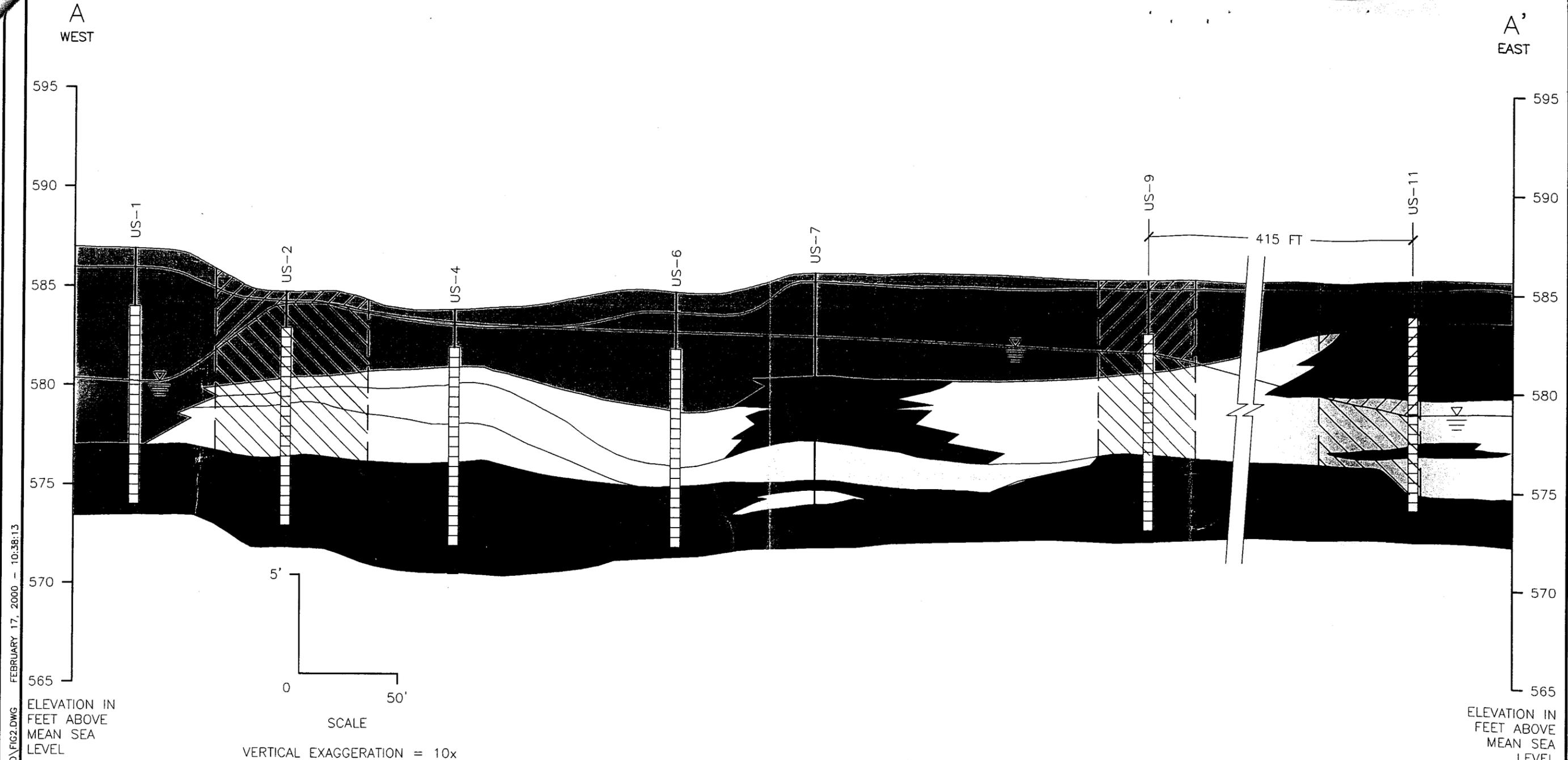
ENVIRONMENTAL RESOURCES MANAGEMENT

**ERM**

SOIL SAMPLING LOCATIONS — EAST REMEDIAL EXCAVATION

U.S. OIL CO., INC. EASEMENT PROPERTY  
GREEN BAY, WISCONSIN

DRAWN:	NAM	CHECKED:		FIGURE:	
SCALE:	1"=20'	APPROVED:		ERM #95045	3



FILE S:\CPFILES\ERMA\USOIL\95045\ACAD\FIG2.DWG  
 FEBRUARY 17, 2000 - 10:38:13  
 DRAWN: FK

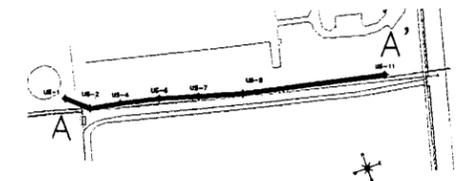
ELEVATION IN FEET ABOVE MEAN SEA LEVEL

ELEVATION IN FEET ABOVE MEAN SEA LEVEL

VERTICAL EXAGGERATION = 10x

SYMBOL LEGEND			
	WATER TABLE		TOPSOIL
	CONTACT		FILL
	INFERRED CONTACT		SAND
	BORING		SILT
	SCREENED INTERVAL		PEAT/ORGANICS
	BOTTOM OF BORING		SILTY CLAY
	GROUND WATER CONTAMINATION		SOIL CONTAMINATION (EXCEEDING NR720 GENERIC STANDARDS)

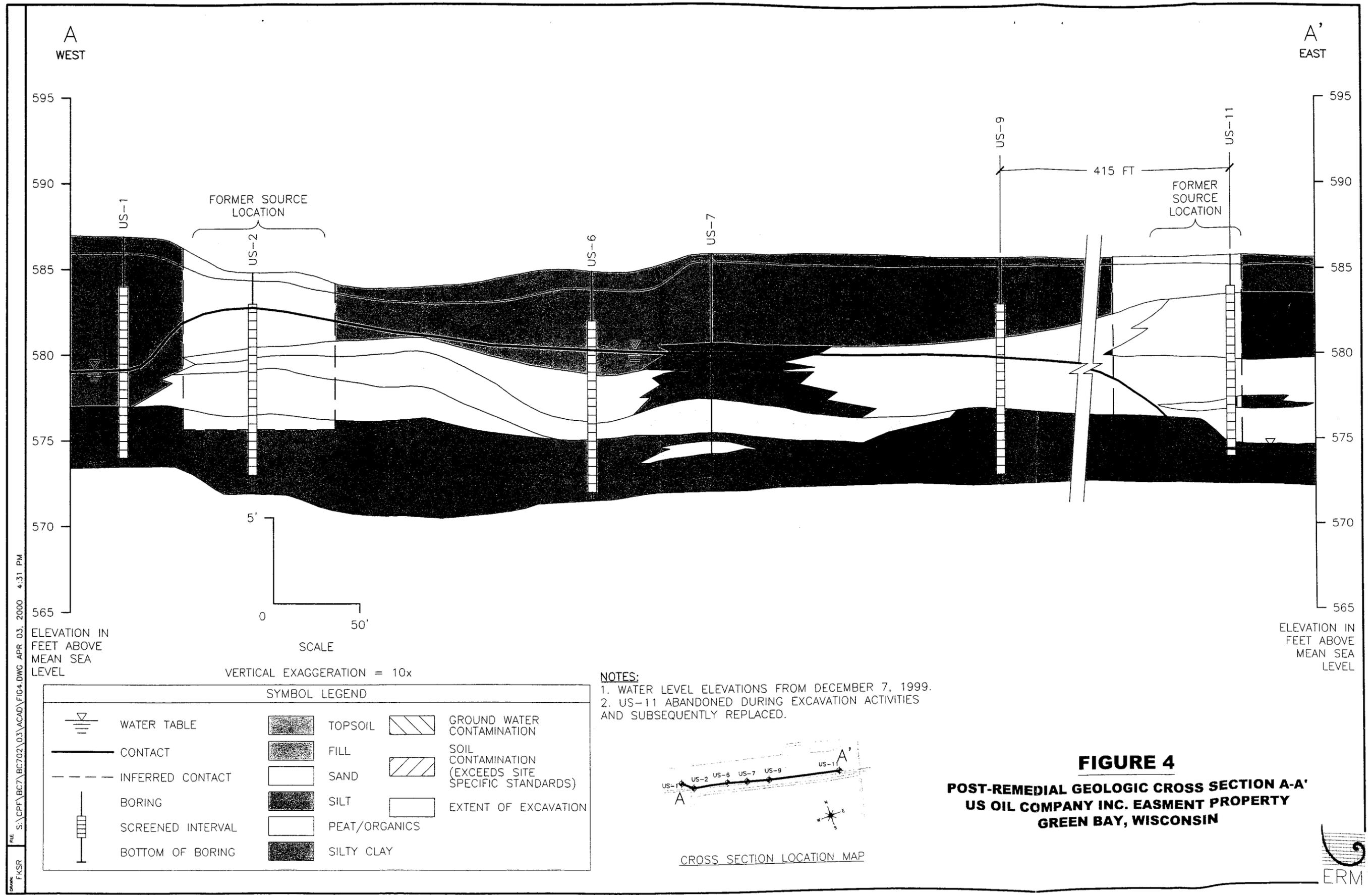
NOTE: WATER LEVEL ELEVATIONS FROM APRIL 3, 1996



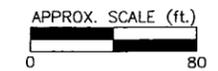
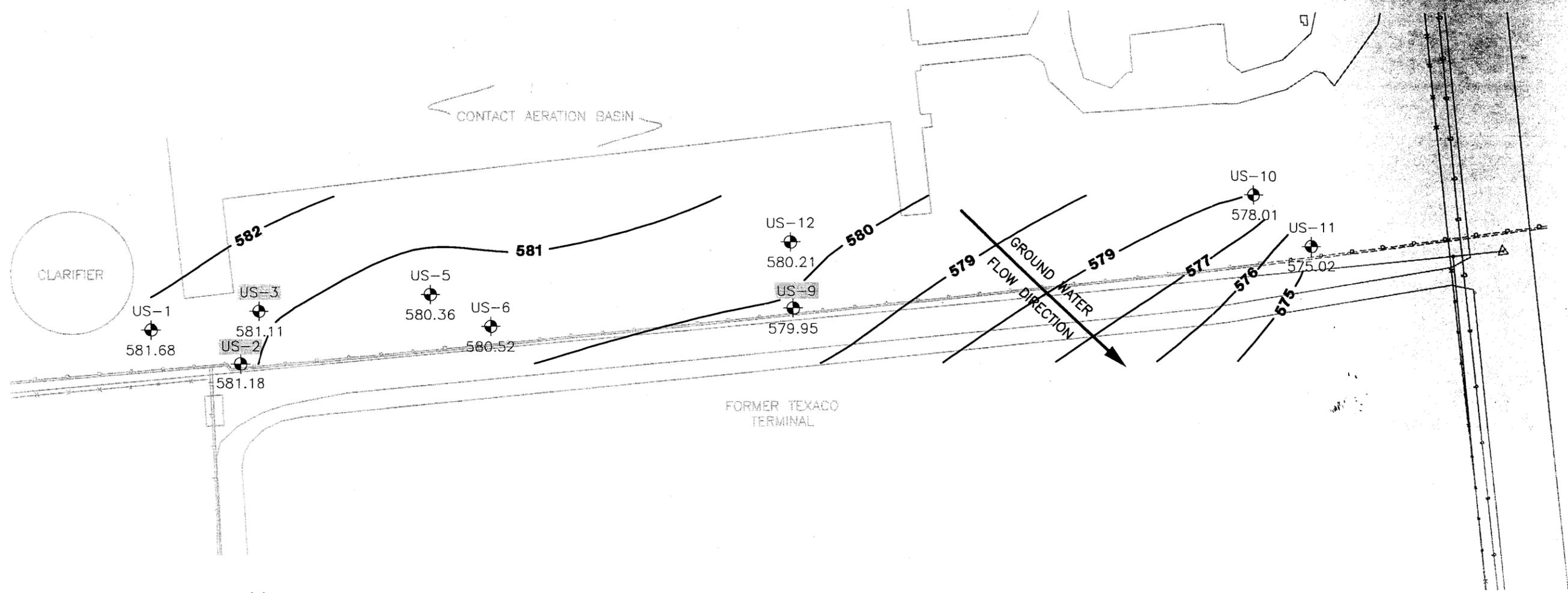
CROSS SECTION LOCATION MAP

**FIGURE 2**  
**PRE-REMEDIAL GEOLOGIC CROSS SECTION A-A'**  
**US OIL COMPANY INC. EASMENT PROPERTY**  
**GREEN BAY, WISCONSIN**









SYMBOL LEGEND	
	GROUNDWATER CONTOUR
	FENCE LINE
	GROUND WATER MONITORING WELL
	GROUND WATER ELEVATION

**NOTE:**  
SHADING INDICATES GROUND WATER EXCEEDS THE PREVENTIVE ACTION LIMIT AS SPECIFIED IN CHAPTER NR140 OF THE WAC.

**FIGURE 5a**  
**GROUND WATER SAMPLE LOCATION AND CONTOUR MAP**  
**SEPTEMBER 13, 1999**  
**U.S. OIL COMPANY INC. EASEMENT PROPERTY**  
**GREEN BAY, WISCONSIN**



FILE S:\CPF\BC7\BC702\03\ACAD\FIG5A.DWG APR 04, 2000 10:13 AM  
 DRAWN FKS

Table 1a

Pre-remedial Soil Analytical Results  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 1 of 4)

Sample ID	Depth in feet BGS	Compound Concentration								
		GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethyl benzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	Trimethylbenzenes 1,2,4- 1,3,5-	
RB-1	0-2	<3	<4	<1	<1	<1	<1	<2	<1	<1
RB-1	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-1	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-1	8-10	<3	<5	71	<1	<1	<1	11	13	27
RB-2	0-2	<3	12	<1	<1	<1	<1	<2	<1	<1
RB-2	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-2	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-2	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-3	0-2	390	530	<220	260	<220	<220	320	2,200	1,900
RB-3	2-4	1,200	25,000	<780	6,100	<780	<780	7,700	36,000	10,000
RB-3 (DUP)	2-4	2,000	23,000	<1200	13,000	<1200	<1200	9,500	52,000	15,000
RB-3	4-6	1,100	9,900	<630	6,200	<630	<630	5,800	27,000	8,100
RB-3	6-8	1,400	21,000	<750	6,600	<750	<750	3,900	31,000	6,400
RB-4	0-2	<3	<1	<1	<1	<1	<1	<2	<1	<1
RB-4	2-4	<3	<1	<1	<1	<1	<1	<2	<1	<1
RB-4	4-6	<3	<1	<1	<1	<1	<1	<2	<1	<1
RB-4	6-8	<3	<1	<1	<1	<1	<1	<2	<1	<1
RB-5	0-2	<3	6.7	<1	<1	<1	<1	<2	<1	<1
RB-5	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-5	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-6	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-6	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-6	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-6	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-7	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-7	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-7	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-7	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-8	0-2	<3	<4	<1	<1	<1	<1	<2	<1	<1
RB-8	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-8	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-8	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-9	0-2	<3	55	<1	<1	<1	<1	<2	<1	<1
RB-9	2-4	9.2	430	<2	<2	<2	<2	3.5	16	<2
RB-9	4-6	44	99	<77	<77	<77	<77	<154	710	<77
RB-9 (DUP)	4-6	30	190	<89	<89	<89	<89	<178	220	<89
RB-9	6-8	150	1,000	<130	<130	<130	<130	<260	4,700	160
RB-10	0-2	<3	170	<1	<1	<1	<1	<2	<1	<1
RB-10	2-4	<4	110	<1	<1	<1	1.5	<2	<1	<1
RB-10	4-6	<3	71	<1	<1	<1	3.1	1.5	1.5	<1
RB-10	6-8	<3	<5	<1	<1	<1	1.6	<2	<1	<1

Key:

- BGS = below ground surface
- GRO = Gasoline Range Organics
- DRO = Diesel Range Organics
- MTBE = methyl-tert-butyl ether
- DUP = duplicate sample

Shaded numbers exceed the residual contaminant levels as included in Chapter NR720 of the Wisconsin Administrative Code.

> NR 720

Excavated dirty soils

<sup>1</sup> Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 1a

Pre-remedial Soil Analytical Results  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 2 of 4)

Sample ID	Depth in feet BGS	Compound Concentration								
		GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethyl benzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	Trimethylbenzenes 1,2,4- 1,3,5-	
RB-11	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-11	2-4	<3	8.9	<1	<1	<1	<1	<2	<1	<1
RB-11	4-6	<3	230	<1	<1	<1	<1	<2	<1	<1
RB-11	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-12	0-2	<3	26	<1	<1	<1	<1	<2	<1	<1
RB-12	2-4	<4	<5	<1	<1	<1	<1	<2	<1	<1
RB-12	4-6	<5	21	<2	<2	<2	<2	<4	<2	<2
RB-12	6-8	4.2	450	<1	<1	<1	<1	<2	<1	<1
RB-13	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-13	2-4	<3	<5	<1	<1	<1	1.3	<2	<1	<1
RB-13	4-6	<4	23	<2	<2	<2	<2	<4	<2	<2
RB-13	6-8	3.6	<5	<1	<1	<1	<1	<2	<1	<1
RB-14	2-4	<3	480	<2	<2	<2	<2	<4	<2	<2
RB-14	4-6	190	3,900	<170	<170	<170	<170	<340	3,500	370
RB-14	6-8	410	3,500	<300	<300	<300	<300	<600	8,000	<300
RB-14	8-10	210	420	<130	<130	<130	<130	<260	2,600	460
RB-15	0-2	160	550	<120	<120	<120	<120	<140	1,300	370
RB-15	2-4	41	990	<62	<62	<62	<62	<124	270	<62
RB-15	4-6	5.3	21	<1	<1	<1	<1	<2	3.7	<1
RB-15	6-8	88	62	<64	<64	<64	<64	<128	720	130
RB-16	2-4	540	1,700	<590	2,300	<590	<590	3,000	10,000	3,400
RB-16	4-6	1,100	11,000	1,100	3,500	<690	<690	12,000	40,000	11,000
RB-16 (DUP)	4-6	1,100	17,000	970	5,500	<690	<690	15,000	36,000	10,000
RB-16	6-8	1,300	13,000	<1200	7,500	<1200	<1200	9,300	38,000	12,000
RB-16	8-10	1,300	5,600	<1300	5,200	<1300	<1300	5,200	38,000	8,900
RB-17	4-6	2,000	32,000	4,300	9,200	<1300	<1300	32,000	75,000	30,000
RB-17	6-8	440	170	860	3,000	<240	<240	6,400	12,000	4,600
RB-17	8-10	1,100	2,200	<620	10,000	<620	<620	18,000	32,000	14,000
RB-17	10-12	400	63	<250	1,900	350	<250	2,300	3,400	3,100
RB-18	4-6	70	150	100	420	<62	<62	1,100	1,600	1,200
RB-18	6-8	750	75	2,700	18,000	<640	640	59,000	38,000	12,000
RB-18	8-10	650	67	2,100	13,000	<490	490	43,000	28,000	8,600
RB-18	10-12	280	25	950	5,100	<240	240	17,000	11,000	3,200
RB-19	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-19	2-4	11	20	<1	<1	<1	<1	<2	<1	<1
RB-19	4-6	<3	12	<1	<1	<1	<1	<2	<1	<1
RB-19	8-10	<4	<7	<2	<2	<2	<2	<4	<2	<2
RB-20	0-2	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-20	2-4	<3	<4	<1	<1	<1	<1	<2	<1	<1
RB-20	4-6	<3	8.9	<1	<1	<1	<1	<2	<1	<1
RB-20	8-10	<3	<4	<1	<1	<1	<1	<2	<1	<1

Key:

- BGS = below ground surface
- GRO = Gasoline Range Organics
- DRO = Diesel Range Organics
- MTBE = methyl-tert-butyl ether
- DUP = duplicate sample
- Shaded numbers exceed the residual contaminant levels as included in Chapter NR720 of the Wisconsin Administrative Code.

<sup>1</sup> Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 1a

Pre-remedial Soil Analytical Results  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 3 of 4)

Sample ID	Depth in feet BGS	Compound Concentration								
		GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethyl benzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	Trimethylbenzenes 1,2,4- 1,3,5-	
RB-21	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-22	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-23	2-4	<3	<5	<1	<1	<1	<1	25	<1	<1
RB-23	8-10	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-24	2-4	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-25	2-4	<3	63	<1	<1	<1	<1	<2	<1	<1
RB-25	4-6	<3	44	<1	<1	<1	<1	<2	<1	<1
RB-26	2-4	<3	<5	<1	<1	<1	1.2	<2	<1	<1
RB-26	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-27	4-6	1,500	12,000	<660	8,200	<660	<660	5,000	34,000	7,700
RB-27	10-12	1,000	6,100	<1200	6,600	<1200	<1200	3,500	21,000	6,700
RB-27 (DUP)	10-12	1,300	11,000	<1200	7,900	<1200	<1200	4,300	29,000	8,400
RB-28	4-6	340	1,200	<230	700	<230	<230	540	6,100	1,400
RB-28	6-8	2,500	16,000	<1200	19,000	<1200	<1200	15,000	64,000	18,000
RB-29	4-6	410	2,000	<330	<330	<330	<330	<660	6,500	460
RB-29 (DUP)	4-6	750	3,000	<770	900	<770	<770	1,100	12,000	1,800
RB-29	6-8	530	2,600	<620	<620	<620	<620	<1240	8,900	<620
RB-30	4-6	230	330	<260	620	<260	960	730	3,000	630
RB-30	8-10	94	270	<74	170	<74	310	240	1,400	250
RB-31	2-4	<3	67	<1	<1	<1	<1	<2	<1	<1
RB-31	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-32	2-4	<3	120	<1	<1	<1	<1	<2	<1	<1
RB-32	6-8	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-32	8-10	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-33	2-4	430	4,600	<310	320	<310	<310	860	2,900	1,400
RB-33	4-6	710	6,200	<640	<640	<640	<640	790	19,000	1,900
RB-34	4-6	<3	39	<1	<1	<1	<1	<2	<1	<1
RB-34	6-8	<3	<5	<1	<1	<1	<1	<2	10	<1
RB-35	2-4	1,100	9,800	1,500	<1200	<1200	1,200	1,800	27,000	5,500
RB-35	4-6	1,200	15,000	<1300	<1300	<1300	<1300	<2600	34,000	1,700
RB-36	2-4	770	5,600	950	790	1,100	<580	1,100	6,900	2,100
RB-36	4-6	1,500	4,700	2,400	1,200	<1100	<1100	1,700	37,000	1,300
RB-37	4-6	<3	<4	4.3	<1	<1	<1	11	57	5.3
RB-37	6-8	8.7	23	60	<60	<60	<60	160	300	110
* RB-37 (DUP)	6-8	440	710	1,600	2,800	<410	<410	7,700	15,000	4,500
RB-38	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-38	6-8	120	59	<120	790	<120	<120	1,300	3,400	1,200
RB-39	0-2	<3	7.7	<1	<1	<1	<1	<2	<1	<1
RB-39	4-6	<3	28	<1	<1	<1	<1	<2	<1	<1
RB-39	6-8	40	150	95	79	<62	<62	670	1,300	430

Key:

- BGS = below ground surface
- GRO = Gasoline Range Organics
- DRO = Diesel Range Organics
- MTBE = methyl-tert-butyl ether
- DUP = duplicate sample
- Shaded numbers exceed the residual contaminant levels as included in Chapter NR720 of the Wisconsin Administrative Code.

<sup>1</sup> Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 1a

Pre-remedial Soil Analytical Results  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 4 of 4)

Sample ID	Depth in feet BGS	Compound Concentration								
		GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethyl benzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	Trimethylbenzenes	
									1,2,4-	1,3,5-
RB-40	2-4	2,100	35,000	<1200	4,800	<1200	<1200	16,000	52,000	15,000
RB-40	4-6	2,300	55,000	<1200	4,400	<1200	<1200	21,000	61,000	18,000
RB-41	4-6	1,300	14,000	<610	7,000	<610	<610	11,620	38,000	11,000
RB-41	6-8	750	15,000	<630	3,900	<630	<630	7,600	21,000	5,800
RB-42	4-6	11	4,300	<6	<6	<6	<6	<12	13	6.5
RB-42	8-10	5.6	220	<50	<50	<50	<50	<100	<50	<50
RB-43	2-4	5.5	540	<1	<1	<1	<1	<2	<1	<1
RB-43	4-6	7.1	430	<1	<1	<1	<1	1.4	<1	<1
RB-44	4-6	<3	<5	<1	<1	<1	<1	<2	<1	<1
RB-44	8-10	26	27	72	<62	<62	<62	72	380	160
RB-45	0-2	4,600	1,000	5,600	130,000	<3100	6,300	940,000	490,000	190,000
RB-45	2-4	1,500	210	3,800	54,000	<1400	6,200	278,000	110,000	37,000
RB-46	0-2	1,100	10,000	<1200	<1200	<1200	<1200	2,700	19,000	6,200
RB-46	4-6	3,000	4,100	<2500	2,500	<2500	<2500	6,200	120,000	26,000
RB-47	0-2	<3	4.9	<1	2.1	<1	1.7	14.5	2.9	<1
RB-47	2-4	<4	6.9	<3	<3	<3	<3	18	55	<3

Key:

BGS = below ground surface

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MTBE = methyl-tert-butyl ether

DUP = duplicate sample

Shaded numbers exceed the residual contaminant levels as included in Chapter NR720 of the Wisconsin Administrative Code.

<sup>1</sup> Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 1b

Pre-remedial Soil Analytical Results  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin

Sample ID	Depth in feet BGS	Field PID Reading	Compound Concentration									
			GRO (mg/kg)	DRO (mg/kg)	Benzene (ug/kg)	Ethyl benzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	Xylenes (ug/kg)	Trimethylbenzenes		
										1,2,4-	1,3,5-	
US-1 C	4-6	2.5	<2.9	5.9	<25	<25	<25	<25	<25	<25	<25	<25
US-1 D	6-8	3	<2.9	18	<25	<25	<25	<25	<25	<25	<25	<25
US-2 A	0-2	50	2,700	15,000	1,500	19,000	<1000	<1000	54,800	84,000	36,000	
US-2 B	2-4	30	770	5,400	4,200	18,000	<270	<270	19,850	35,000	11,000	
US-2 C	4-6	30	150	2,300	1,000	390	<50	<50	3,688	5,800	1,900	
US-2 F	10-12	5	<3.0	13	<25	<25	<25	<25	<25	44	<25	
US-3 D	6-8	4	<3.0	8.9	<25	<25	<25	<25	<25	<25	<25	
US-4 C	4-6	0.2	14	4,100	<25	<25	<25	<25	96	210	120	
US-5 D	6-8	0	<11	<16	<25	<25	<25	74	78	<25	<25	
US-6 D	6-8	3	<3.3	8.2	<25	<25	<25	<25	<25	<25	<25	
US-7 E	8-10	8	54	3,700	<29	89	<29	130	360	1,500	660	
US-8 C	4-6	2	<3.2	320	<25	<25	<25	35	<25	<25	<25	
US-9 C	4-6	2.5	1,000	6,500	<500	1,100	<500	<500	4,840	16,000	2,000	
US-10 C	4-6	0	<2.5	37	<25	<25	<25	59	<25	<25	<25	
US-11 C	4-6	20	30	230	<25	290	<25	<25	200	820	170	
US-12 C	4-6	2.2	<3.0	61	<25	<25	<25	45	33	<25	<25	

Key:

PID = Photoionization detector, 11.7 eV lamp, calibrated to isobutylene reference standard

BGS = below ground surface

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MTBE = methyl-tert-butyl ether

Shaded values exceed the residual contaminant levels included in Chapter NR720 of the Wisconsin Administrative Code

<sup>1</sup> Depth to water ranges from 5.1 to 11.4 feet BGS.

Table 2a

*Post-Remedial Soil Sampling Results - East Excavation  
U.S. Oil Company, Inc. Easement Property  
Green Bay, Wisconsin*

<i>Sample No. (Figure 3)<sup>1</sup></i>	<i>Sample Date</i>	<i>Sample Depth (feet)<sup>2</sup></i>	<i>Benzene Concentration (ug/kg)</i>	<i>Soil Description</i>	<i>Comments</i>
1	12/14/98	10.5	<25	red brown silty clay	till, bottom
2	12/14/98	7	<25	gray silty sand	lacustrine sand
3	12/15/98	6	<25	gray silty sand	lacustrine sand
4	12/15/98	9.5	<25	gray & red brown silt	till, bottom
5	12/15/98	6	<25	gray & red brown sandy silt	lacustrine
6	12/15/98	5	<25	gray silty sand	lacustrine sand
7	12/15/98	6	<250	gray silty sand	lacustrine sand
8	12/15/98	2	<25	silty clay & brown sand	fill
9	12/15/98	2	<25	silty clay & brown sand	fill
10	12/15/98	6.5	<250	gray silty sand	lacustrine sand
11	12/15/98	9	<25	red brown silty clay	till, bottom
12	12/15/98	5	<250	black silty sand	organic silt/sand
13	12/15/98	7	<250	gray silty sand	lacustrine sand
14	12/15/98	3	<25	silty clay	fill
15	12/15/98	2.5	<25	black silty sand	organic silt/sand
16	12/15/98	3	<25	black sandy silt	organic silt/sand
17	12/15/98	7.5	<25	red brown silt	till
18	12/15/98	9	<25	red brown silty clay	till, bottom
19	12/15/98	6	<500	gray silty sand	lacustrine sand
20	12/15/98	3	<25	brown silt	fill
21	12/15/98	6.5	<25	gray silty sand	lacustrine sand
22	12/15/98	2.5	<25	brown silty sand	fill
23	12/16/98	7	<25	gray silty sand	lacustrine sand
24	12/16/98	6	<25	gray silty sand	lacustrine sand
25	12/16/98	8	<25	red brown silty clay	till, bottom
26	12/16/98	6	<25	gray silty sand	lacustrine sand

<sup>1</sup>Sample numbers correspond to locations as presented on Figure 3a.

<sup>2</sup>Refers to depth as measured from nearest sidewall.

<sup>3</sup>Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 2b

Post-Remedial Soil Sampling Results - West Excavation  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 1 of 3)

Sample No. (Figure 4) <sup>1</sup>	Sample Date	Sample Depth (feet) <sup>2</sup>	Benzene Concentration (ug/kg)	Soil Description	Comments
27	12/16/98	6	360	gray silty sand	lacustrine
28	12/16/98	10	130	red brown silty clay	till, bottom
29	12/16/98	3	<250	gray sand	fill
30 <sup>3</sup>	12/16/98	5	15,000	gray silty sand	lacustrine
* 31	12/16/98	3.5	4,100	gray silty sand & sandy silt	organic sand/silt
32	12/16/98	3.5	400	gray & black silty sand	organic sand/silt
33	12/16/98	6	3,100	gray silty sand	lacustrine
34	12/16/98	3	<25	silty sand & clay	fill
35	12/16/98	5.5	3,500	silty sand & clay	fill
36	12/16/98	3	<25	silty clay	fill
37 <sup>3</sup>	12/16/98	5.5	9,600	gravelly sand	fill
38	12/16/98	8.5	100	red brown silty clay	till, bottom
39	12/17/98	5.5	<25	black gravelly sand	fill
40	12/17/98	3	<25	brown sandy silty clay	fill
41	12/17/98	3	<25	gray silty sand	fill
42	12/17/98	5.5	16,000	black sandy silt	organic silt/sand
43	12/17/98	3	<25	gray silty sand	fill
44	12/17/98	5.5	360	black gravelly sand & silt	fill
45	12/17/98	7	<25	gray silty sand	lacustrine sand
46	12/17/98	2.5	440	black sandy silt	fill
47	12/17/98	5.5	480	gray silty sand	lacustrine sand
48	12/17/98	3	<25	gray & red brown silty sand	fill
49 <sup>3</sup>	12/17/98	5	1,600	gray silty sand	fill
50	12/17/98	2	<250	gray silty sand	fill
51	12/17/98	5	<250	black sandy silt	organic silt/sand
52	12/17/98	6.5	<25	gray silty sand	lacustrine sand
53	12/17/98	2.5	<25	brown silty sand	fill
54 <sup>3</sup>	12/17/98	5	6,300	black gravelly sand	organic sand
55	12/17/98	2.5	<25	brown silty sand	fill
56	12/17/98	5.5	<250	gray gravelly silty sand	fill

**Key:**

Shaded numbers exceed the site-specific cleanup objective of 750 ug/kg for benzene.

<sup>1</sup>Sample numbers correspond to locations as presented on Figure 3b.

<sup>2</sup>Refers to depth as measured from nearest sidewall.

<sup>3</sup>Benzene concentration exceeded the cleanup objective. Subsequently, soil was excavated and transported off-site.

<sup>4</sup>Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 2b

Post-Remedial Soil Sampling Results - West Excavation  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 2 of 3)

Sample No. (Figure 3) <sup>1</sup>	Sample Date	Sample Depth (feet) <sup>2</sup>	Benzene Concentration (ug/kg)	Soil Description	Comments
57	12/17/98	6.5	<25	gray silty sand	lacustrine
58	12/17/98	5	<250	black sandy gravel	fill
59	12/18/98	5.5	<250	black sandy clayey silt	fill
60	12/18/98	3	<250	black clayey sandy silt	fill
61	12/18/98	3	<250	brown silty sand	fill
62	12/18/98	5.5	<250	gray silty sand	lacustrine
63	12/18/98	6.5	<250	gray silty sand	lacustrine
64 <sup>3</sup>	12/18/98	5	1,300	gray & black sandy silt	fill
65	12/18/98	7	690	gray silty sand	lacustrine
66	12/18/98	2.5	<25	red brown silty clay	fill
67	12/18/98	6	<250	brown sandy silty clay	fill
68	12/18/98	10	<25	red brown silty clay	till, bottom
69	12/18/98	6	<25	brown sandy silty clay	fill
70	12/18/98	3.5	<25	brown silty clay	fill
71 <sup>3</sup>	12/18/98	8	1,900	gray silty sand	lacustrine
72	12/18/98	5	<25	red brown sandy silty clay	fill
73	12/21/98	11	250	red brown silty clay	till, bottom
74	12/21/98	8	<25	brown sandy silty clay	fill
75	12/21/98	4	3,500	gray gravelly sand	fill
76	12/21/98	5	<25	brown sandy silt	fill
77	12/21/98	7	<25	brown sandy silty clay	fill
78	12/21/98	4	<25	brown silty clay	fill
79	12/21/98	10	<25	red brown silty clay	till, bottom
80	12/21/98	7	<25	brown silty clay & silt	fill
81	12/21/98	5	<25	brown sandy silt	fill
* 82	12/21/98	3	2,500	black silty sand	fill
83	12/21/98	10	<25	red brown silty clay	till, bottom
84	12/21/98	7	<25	black sandy silt	organic sand/silt
85	12/21/98	5	<25	y. brown silty sand	fill
86	12/21/98	4	<25	black silty sand	fill

water table elevation from U.S.-2 indicates high water table at 4 ft. dirty soil !!

Key:

Shaded numbers exceed the site-specific cleanup objective of 750 ug/kg for benzene.

<sup>1</sup>Sample numbers correspond to locations as presented on Figure 3b.

<sup>2</sup>Refers to depth as measured from nearest sidewall.

<sup>3</sup>Benzene concentration exceeded the cleanup objective. Subsequently, soil was excavated and transported off-site.

<sup>4</sup>Depth to water ranges from 5.1 to 11.4 feet below ground surface.

Table 2b

Post-Remedial Soil Sampling Results - West Excavation  
 U.S. Oil Company, Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 3 of 3)

Sample No. (Figure 3) <sup>1</sup>	Sample Date	Sample Depth (feet) <sup>2</sup>	Benzene Concentration (ug/kg)	Soil Description	Comments
87	12/21/98	7	<25	gray silty sand	lacustrine
88	12/21/98	3	<25	gray silty clay & black silt	fill
89	12/28/98	10	<25	red brown silty clay	till, bottom
90	12/28/98	4	530	black silt & gray silty sand	organic sand/silt
91	12/28/98	6	460	black silt & gray silty sand	organic sand/silt
92	12/28/98	4	<25	gray sandy silty clay	fill
93	12/28/98	10	<25	red brown silt	till, bottom
94	12/28/98	4	<25	black silt & gray silty sand	organic sand/silt
95 <sup>3</sup>	12/28/98	6	840	black silt	organic silt
96	12/28/98	4	<25	brown silty clay	fill
97	12/29/98	6	<25	brown sandy silty clay	fill
98	12/29/98	6	<25	red brown sandy silty clay	fill
99	12/29/98	6	<25	black silt & gray silty sand	organic sand/silt
100	12/29/98	10	<25	red brown silty clay	till, bottom
101	12/29/98	4	<25	black silt & gray silty sand	organic sand/silt

**Key:**

Shaded numbers exceed the site-specific cleanup objective of 750 ug/kg for benzene.

<sup>1</sup>Sample numbers correspond to locations as presented on Figure 3b.

<sup>2</sup>Refers to depth as measured from nearest sidewall.

<sup>3</sup>Benzene concentration exceeded the cleanup objective. Subsequently, soil was excavated and transported off-site.

<sup>4</sup>Depth to water ranges from 5.1 to 11.4 feet below ground surface.

\* Water depths are based on Monitoring well elevation data from US-1 & US-2

- in US-1 high water table is 6.06ft & low water table is 11.32ft

- in US-2 high w.t. is 4.14ft & low w.t. is 8.23ft

**Table 3**  
**Ground Water Analytical Results Summary**  
**U.S. Oil Company Inc. Easement Property**  
**Green Bay, Wisconsin**  
 (Page 1 of 3)

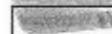
Monitoring Well No.	US-1						US-2						US-3						US-4		Ground Water Cleanup Objectives			
	Date Sampled	4/3/96	3/26/97	3/17/99	6/3/99	9/13/99	12/7/99	4/3/96	3/26/97	3/17/99	6/3/99	Duplicate 6/3/99	9/13/99	12/7/99	4/3/96	3/26/97	3/17/99	6/2/99	9/13/99	12/7/99	4/3/96	3/26/97	ES	PAL
<b>PVOCs (ug/L)</b>																								
benzene	<0.6	<0.4	<3.2	<0.25	<0.25	<0.25	340	250	0.44 J	<0.25	0.29 J	1.8	<0.25	2.4	0.7	<3.2	0.28 J	0.53 J	1.1	<0.6	<0.4	5	0.5	
ethylbenzene	<1.0	<0.2	<3.4	<0.32	<0.32	<0.32	190	130	0.63 J	<0.32	<0.32	0.41 J	<0.32	<1.0	<0.2	<3.4	<0.32	<0.32	<0.32	<1.0	<0.2	700	140	
methyl-tert-butyl-ether	<1.0	<0.5	<3.1	<0.21	<0.21	<0.21	<2.5	<0.5	<0.31	<0.21	<0.21	<0.21	<0.21	<1.0	<0.5	<3.1	<0.21	<0.21	<0.21	<1.0	<0.5	60	12	
toluene	<1.0	<0.3	<3.5	<0.38	<0.38	<0.38	<2.5	<1.0	<0.35	<0.38	<0.38	<0.38	<0.38	<1.0	<0.3	<3.5	<0.38	<0.38	<0.38	<1.0	<0.3	343	68.6	
1,3,5-trimethylbenzene	<1.0	<0.3	<6.4	<0.36	<0.36	<0.36	5.7	4.1	<0.64	<0.36	<0.36	<0.36	<0.36	1.3	<0.3	<6.4	<0.36	1.1 J	<0.36	<1.0	<0.3	480	96	
1,2,4-trimethylbenzene	<1.0	<0.3	<3.5	<0.34	<0.34	<0.34	110	100	1.1 J	<0.34	<0.34	<0.34	<0.34	5.3	2.1	<3.5	0.56 J	<0.34	2.7	<1.0	<0.3	480	96	
xylene, -m, -p	<1.0	<0.5	<10 <sup>a</sup>	<0.67	<0.67	<0.67	29	8.4	<1 <sup>a</sup>	<0.67	<0.67	<0.67	<0.67	<1.0	<0.5	<10 <sup>a</sup>	<0.67	<0.67	<0.67	<1.0	<0.5	620 <sup>a</sup>	124 <sup>a</sup>	
xylene, -o	<1.0	<0.3	<10 <sup>a</sup>	<0.37	<0.37	<0.37	<2.5	<0.5	<1 <sup>a</sup>	<0.37	<0.37	<0.37	<0.37	<1.0	<0.3	<10 <sup>a</sup>	<0.37	<0.37	<0.37	<1.0	<0.3	620 <sup>a</sup>	124 <sup>a</sup>	
naphthalene	NA	<0.8	NA	NA	NA	NA	NA	140	NA	NA	NA	NA	NA	NA	2.7	NA	NA	NA	NA	NA	<0.8	40	8	
GRO (ug/L)	<50	NA	NA	NA	NA	NA	1900	NA	NA	NA	NA	NA	NA	72	NA	NA	NA	NA	NA	<50	NA	Not available		
DRO (ug/L)	320	NA	NA	NA	NA	NA	29000	NA	NA	NA	NA	NA	NA	2100	NA	NA	NA	NA	NA	2800	NA	Not available		

**Key:**

PAL = Preventive action limit as specified in Chapter NR 140 of the Wisconsin Administrative Code.

ES = Enforcement standard as specified in Chapter NR 140 of the Wisconsin Administrative Code.

 = Value exceeds the NR140 Wisconsin Administrative Code PAL.

 = Value exceeds the NR140 Wisconsin Administrative Code ES.

PVOCs = Petroleum Volatile Organic Compounds

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

NA = Not analyzed

J = Estimated concentration; analyte detected between the limit of detection and limit of quantitation.

<sup>a</sup>Value is for total xylenes.

<sup>b</sup>Site excavation activities occurred in December 1998.

Table 3

Ground Water Analytical Results Summary  
 U.S. Oil Company Inc. Easement Property  
 Green Bay, Wisconsin  
 (Page 2 of 3)

Monitoring Well No.	US-5						US-6						US-9						Ground Water Cleanup Objectives				
	Date Sampled	4/3/96	3/26/97	3/17/99	6/2/99	9/13/99	12/7/99	4/4/96	(Duplicate) 4/4/96	3/26/97	3/17/99	6/2/99	9/13/99	12/7/99	4/4/96	3/26/97	3/17/99	6/2/99	9/13/99	12/7/99	Duplicate 12/7/99	ES	PAL
<b>PVOCs (ug/L)</b>																							
benzene	<0.6	<0.4	<3.2	<0.25	<0.25	<0.25	<0.6	<0.6	<0.4	<3.2	0.36 J	0.27 J	0.31 J	6.0	1.4	<3.2	2.4	4.4	<0.25	<0.25		5	0.5
ethylbenzene	<1.0	<0.2	<3.4	<0.32	<0.32	<0.32	<1.0	<1.0	<0.2	<3.4	<0.32	<0.32	<0.32	1.8	1.6	<3.4	<0.32	<0.32	<0.32	<0.32	<0.32	700	140
methyl-tert-butyl-ether	<1.0	<0.5	<3.1	<0.21	<0.21	<0.21	<1.0	<1.0	<0.5	<3.1	<0.21	<0.21	<0.21	<1.0	<0.2	<3.1	<0.21	<0.21	<0.21	<0.21	<0.21	60	12
toluene	<1.0	<0.3	<3.5	<0.38	<0.38	<0.38	<1.0	<1.0	<0.3	<3.5	<0.38	<0.38	<0.38	<1.0	0.7	<3.5	<0.38	<0.38	<0.38	<0.38	<0.38	343	68.6
1,3,5-trimethylbenzene	<1.0	<0.3	<6.4	<0.36	<0.36	<0.36	<1.0	<1.0	<0.3	<6.4	<0.36	<0.36	<0.36	6.5	6.7	<6.4	2.4	36	<0.36	<0.36		480	96
1,2,4-trimethylbenzene	<1.0	<0.3	<3.5	<0.34	<0.34	<0.34	<1.0	<1.0	<0.3	<3.5	<0.34	<0.34	<0.34	95	130	59	71	0.65 J	7.3	8.3		480	96
xylenes, -m, -p	<1.0	<0.5	<10 <sup>a</sup>	<0.67	<0.67	<0.67	<1.0	<1.0	<0.5	<10 <sup>a</sup>	<0.67	<0.67	<0.67	23	9.8	<10 <sup>a</sup>	<0.67	<0.67	<0.67	<0.67	<0.67	620 <sup>a</sup>	124 <sup>a</sup>
xylenes, -o	<1.0	<0.3	<10 <sup>a</sup>	<0.37	<0.37	<0.37	<1.0	<1.0	<0.3	<10 <sup>a</sup>	<0.37	<0.37	<0.37	1.4	1.4	<10 <sup>a</sup>	<0.37	<0.37	<0.37	<0.37	<0.37	620 <sup>a</sup>	124 <sup>a</sup>
naphthalene	NA	<0.8	NA	NA	NA	NA	NA	NA	<0.8	NA	NA	NA	NA	NA	37	NA	NA	NA	NA	NA	NA	40	8
GRO (ug/L)	<50	NA	NA	NA	NA	NA	<50	<50	NA	NA	NA	NA	NA	940	NA	NA	NA	NA	NA	NA	NA	Not available	
DRO (ug/L)	1900	NA	NA	NA	NA	NA	2100	2000	NA	NA	NA	NA	NA	7100	NA	NA	NA	NA	NA	NA	NA	Not available	

Key:

- PAL = Preventive action limit as specified in Chapter NR 140 of the Wisconsin Administrative Code.
- ES = Enforcement standard as specified in Chapter NR 140 of the Wisconsin Administrative Code.
-  = Value exceeds the NR140 Wisconsin Administrative Code PAL.
-  = Value exceeds the NR140 Wisconsin Administrative Code ES.
- PVOCs = Petroleum Volatile Organic Compounds
- GRO = Gasoline Range Organics
- DRO = Diesel Range Organics
- NA = Not analyzed
- J = Estimated concentration; analyte detected between the limit of detection and limit of quantitation.

<sup>a</sup>Value is for total xylenes.

<sup>b</sup>Site excavation activities occurred in December 1998.

**Table 3**  
**Ground Water Analytical Results Summary**  
**U.S. Oil Company Inc. Easement Property**  
**Green Bay, Wisconsin**  
 (Page 3 of 3)

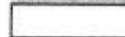
Monitoring Well No.	UIS-10						UIS-11		UIS-12						Ground Water Cleanup Objectives	
	Date Sampled	4/4/96	3/26/97	3/17/99	6/2/99	9/13/99	12/7/99	4/4/96	3/26/97	4/4/96	3/26/97	3/17/99	6/13/99	9/13/99	12/7/99	ES
<b>PVOCs (ug/L)</b>																
benzene	<0.6	<0.4	<3.2	<0.25	<0.25	<0.25	15	15	<0.6	<0.4	<16	<13	<13	<13	5	0.5
ethylbenzene	<1.0	<0.2	<3.4	<0.32	<0.32	<0.32	180	84	<1.0	<0.2	<17	<16	<16	<16	700	140
methyl-tert-butyl-ether	<1.0	<0.5	<3.1	<0.21	<0.21	<0.21	<2.5	1.9	<1.0	<0.5	<16	<11	<11	<11	60	12
toluene	<1.0	<0.3	<3.5	<0.38	<0.38	<0.38	<2.5	<1.0	<1.0	<0.3	<18	<19	<19	<19	343	68.6
1,3,5-trimethylbenzene	<1.0	<0.3	<6.4	<0.36	<0.36	<0.36	95	84	<1.0	<0.3	<32	<17	<17	<17	480	96
1,2,4-trimethylbenzene	<1.0	<0.3	<3.5	<0.34	<0.34	<0.34	330	270	<1.0	<0.3	<18	<18	<18	<18	480	96
xylenes, -m, -p	<1.0	<0.5	<10 <sup>a</sup>	<0.67	<0.67	<0.67	280	170	<1.0	<0.5	<49 <sup>a</sup>	<34	<34	<34	620 <sup>a</sup>	124 <sup>a</sup>
xylenes, -o	<1.0	<0.3	<10 <sup>a</sup>	<0.37	<0.37	<0.37	<2.5	1.1	<1.0	<0.3	<49 <sup>a</sup>	<19	<19	<19	620 <sup>a</sup>	124 <sup>a</sup>
naphthalene	NA	<0.8	NA	NA	NA	NA	NA	260	NA	<0.8	NA	NA	NA	NA	40	8
GRO (ug/L)	<50	NA	NA	NA	NA	NA	3100	NA	<50	NA	NA	NA	NA	NA	Not available	
DRO (ug/L)	950	NA	NA	NA	NA	NA	57000	NA	1300	NA	NA	NA	NA	NA	Not available	

**Key:**

PAL = Preventive action limit as specified in Chapter NR 140 of the Wisconsin Administrative Code.

ES = Enforcement standard as specified in Chapter NR 140 of the Wisconsin Administrative Code.

 = Value exceeds the NR140 Wisconsin Administrative Code PAL.

 = Value exceeds the NR140 Wisconsin Administrative Code ES.

PVOCs = Petroleum Volatile Organic Compounds

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

NA = Not analyzed

J = Estimated concentration; analyte detected between the limit of detection and limit of quantitation.

<sup>a</sup>Value is for total xylenes.

<sup>b</sup>Site excavation activities occurred in December 1998.

Table 3  
 Ground Water Elevations  
 U.S. Oil Company Inc. Easement Property  
 Green Bay, Wisconsin

Well	Top of Casing Elevation <sup>1</sup>	4/3/96		3/25/97		3/16/99		6/2/99		9/13/99		12/7/99	
		Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>	Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>	Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>	Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>	Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>	Depth to Water <sup>2</sup>	Ground Water Elevation <sup>1</sup>
US-1	590.07	9.82	580.25	6.06	584.01	9.05	581.02	8.35	581.72	8.39	581.68	11.37	578.70
US-2	589.41	5.05	584.36	4.14	585.27	5.93	583.48	5.07	584.34	8.23	581.18	6.65	582.76
US-3 <sup>3</sup>	590.11	7.04	582.26	5.99	583.31	6.65	583.46	6.33	583.78	9.00	581.11	9.04	581.07
US-4	586.82	3.58	583.24	3.07	583.75	NE	NA	NE	NA	NE	NA	NE	NA
US-5	588.37	5.71	582.66	5.04	583.33	5.38	582.99	5.40	582.97	8.01	580.36	8.15	580.22
US-6	587.67	4.85	582.82	4.07	583.6	4.62	583.05	4.35	583.32	7.15	580.52	7.17	580.50
US-9	587.71	5.82	581.89	4.28	583.43	5.73	581.98	4.84	582.87	7.76	579.95	8.39	579.32
US-10	588.72	10.26	578.46	9.83	578.89	10.13	578.59	9.89	578.83	10.71	578.01	11.63	577.09
US-11 <sup>3</sup>	589.26	11.41	578.12	11.10	578.43	dry	NA	dry	NA	14.24	575.02	15.04	574.22
US-12	588.51	6.84	581.67	5.79	582.72	6.57	581.94	6.00	582.51	8.30	580.21	9.08	579.43

Key:

NE = Well did not exist at time of measurement.  
 NA = Not applicable.

<sup>1</sup> Measured in feet above mean sea level.

<sup>2</sup> Measure in feet below ground surface.

<sup>3</sup> Original well was abandoned during excavation activities and subsequently replaced.

MONITORING WELL NOT ABANDONED

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY NAME</b>	
Well/Drillhole/Borehole Location <i>Green Bay</i>	County <i>Brown</i>	Original Well Owner (If Known) <i>U.S.O.</i>	
1/4 of 1/4 of Sec. ; T. N; R. <input type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner	
(If applicable) Gov't Lot Grid Number		Street or Route <i>Quincy St</i>	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <i>Green Bay, WI</i>	
Civil Town Name		Facility Well No. and/or Name (If Applicable) <i>U.S.</i>	WI Unique Well No.
Street Address of Well <i>Quincy St.</i>		Reason For Abandonment <i>Close</i>	
City, Village <i>Green Bay</i>		Date of Abandonment <i>5-5-04</i>	

**WELL/DRILLHOLE/BOREHOLE INFORMATION**

**(3) Original Well/Drillhole/Borehole Construction Completed On**  
(Date) \_\_\_\_\_

Monitoring Well       Construction Report Available?  
 Water Well                       Yes     No  
 Drillhole  
 Borehole

Construction Type:  
 Drilled       Driven (Sandpoint)       Dug  
 Other (Specify) \_\_\_\_\_

Formation Type:  
 Unconsolidated Formation       Bedrock

Total Well Depth (ft.) *12'6"*      Casing Diameter (in.) *2"*  
(From ground surface)      Casing Depth (ft.) *12'6"*

Lower Drillhole Diameter (in.) *8*

Was Well Annular Space Grouted?     Yes     No     Unknown  
If Yes, To What Depth? \_\_\_\_\_ Feet

**(4) Depth to Water (Feet)** *4'0"*

Pump & Piping Removed?     Yes     No     Not Applicable  
Liner(s) Removed?             Yes     No     Not Applicable  
Screen Removed?               Yes     No     Not Applicable  
Casing Left in Place?         Yes     No  
If No, Explain \_\_\_\_\_

Was Casing Cut Off Below Surface?     Yes     No  
Did Sealing Material Rise to Surface?     Yes     No  
Did Material Settle After 24 Hours?     Yes     No  
If Yes, Was Hole Retopped?             Yes     No

**(5) Required Method of Placing Sealing Material**  
 Conductor Pipe-Gravity       Conductor Pipe-Pumped  
 Dump Bailer                       Other (Explain) \_\_\_\_\_

**(6) Sealing Materials**      For monitoring wells and monitoring well boreholes only

Neat Cement Grout  
 Sand-Cement (Concrete) Grout  
 Concrete                               Bentonite Pellets  
 Clay-Sand Slurry                       Granular Bentonite  
 Bentonite-Sand Slurry                 Bentonite - Cement Grout  
 Chipped Bentonite

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume		Mix Ratio or Mud Weight
			(Circle One)		
<i>3/8" Chipped Bentonite</i>	<i>Surface</i>	<i>12'6"</i>	<i>1/2</i>		

(8) Comments:

**(9) Name of Person or Firm Doing Sealing Work**  
*E.D.S.*

Signature of Person Doing Work  
*[Signature]*

Date Signed  
*5-5-04*

Street or Route  
*5071 Monroe Rd*

Telephone Number  
*(920) 337-9600*

City, State, Zip Code  
*Delafield WI 53125*

**(10) FOR DNR OR COUNTY USE ONLY**

Date Received/Inspected	Region/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

MONITORING WELL  
NOT ABANDONED

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY NAME</b>	
Well/Drillhole/Borehole Location <i>Green Bay</i>	County <i>Brown</i>	Original Well Owner (If Known) <i>AS Oil</i>	
1/4 of _____ 1/4 of Sec. _____ ; T. _____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route <i>Quincy St.</i>	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <i>Green Bay, WI</i>	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) <i>AS 3</i>	
Street Address of Well <i>Quincy St</i>		Reason For Abandonment <i>Closure</i>	
City, Village <i>Green Bay</i>		Date of Abandonment <i>5-5-04</i>	
WI Unique Well No. _____			

<b>WELL/DRILLHOLE/BOREHOLE INFORMATION</b>	
<b>(3) Original Well/Drillhole/Borehole Construction Completed On</b> (Date) _____	<b>(4) Depth to Water (Feet)</b> <i>216'</i>
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole  Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____  Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Report Available? <input type="checkbox"/> Yes <input type="checkbox"/> No  Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <i>13'8"</i> Casing Diameter (in.) <i>2<sup>1/2</sup></i> (From ground surface)    Casing Depth (ft.) <i>13'8"</i>  Lower Drillhole Diameter (in.) <i>8</i>  Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<b>(5) Required Method of Placing Sealing Material</b> <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____  <b>(6) Sealing Materials</b> For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Bags, Sealant or Volume		Mix Ratio or Mud Weight
			(Circle One)		
<i>3/8" Chipped Bentonite</i>	Surface	<i>13'8"</i>	<i>1/2</i>		

(8) Comments: \_\_\_\_\_

(9) Name of Person or Firm Doing Sealing Work  
*E.I.S.*

Signature of Person Doing Work: *[Signature]*    Date Signed: *5-5-04*

Street or Route: *3071 Monroe Rd*    Telephone Number: *(920) 337-9600*

City, State, Zip Code: *Delaware WI 524115*

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	Region/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

**MONITORING WELL  
NOT ABANDONED**

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Adm. Code, whichever is applicable. Also, see instructions on back.

<b>(1) GENERAL INFORMATION</b>		<b>(2) FACILITY NAME</b>	
Well/Drillhole/Borehole Location <u>Green Bay</u>	County <u>Brown</u>	Original Well Owner (If Known) <u>US O.I.</u>	
1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ (If applicable)		Present Well Owner	
Gov't Lot	Grid Number	Street or Route <u>Quincy St.</u>	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Green Bay, WI</u>	
Civil Town Name		Facility Well No. and/or Name (If Applicable) <u>USU</u>	WI Unique Well No.
Street Address of Well <u>Quincy St</u>		Reason For Abandonment <u>Closure</u>	
City, Village <u>Green Bay</u>		Date of Abandonment <u>3-5-04</u>	

<b>WELL/DRILLHOLE/BOREHOLE INFORMATION</b>	
<b>(3) Original Well/Drillhole/Borehole Construction Completed On</b> (Date) _____	<b>(4) Depth to Water (Feet)</b> <u>5'</u>
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole  Construction Report Available? <input type="checkbox"/> Yes <input type="checkbox"/> No  Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable Casing Left in Place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____  Was Casing Cut Off Below Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock  Total Well Depth (ft.) <u>12'5"</u> Casing Diameter (in.) <u>2"</u> (From ground surface) Casing Depth (ft.) <u>12'5"</u>  Lower Drillhole Diameter (in.) <u>8</u>  Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<b>(5) Required Method of Placing Sealing Material</b> <input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input type="checkbox"/> Other (Explain) _____  <b>(6) Sealing Materials</b> For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Cement Grout

(7) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks, Sealant or Volume	(Circle One)	Mix Ratio or Mud Weight
<u>3/8" Chipped Bentonite</u>	Surface	<u>12'5"</u>	<u>1/2</u>		

(8) Comments: \_\_\_\_\_

(9) Name of Person or Firm Doing Sealing Work  
E.D.S.

Signature of Person Doing Work <u>[Signature]</u>	Date Signed <u>3-5-04</u>
Street or Route <u>3671 Menace Rd</u>	Telephone Number <u>(908) 537-9600</u>
City, State, Zip Code <u>Pelee WI 54115</u>	

**(10) FOR DNR OR COUNTY USE ONLY**

Date Received/Inspected	Region/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	