



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

April 14, 2006

Mr. Mike Helgeson
Jacobus Energy, Inc.
11815 West Bradley Road
Milwaukee, WI 53224

Subject: Final Case Closure - Jacobus Fuel Bulk Facility
11221 West Forest Home Avenue, Franklin, WI.
WDNR BRRTS #: 03-41-185290; 02-41-185295; FID #: 241916290

Dear Mr. Helgeson:

On December 21, 2005, your site as described above was reviewed for closure by the Department of Natural Resources (Department). Information submitted to the Department for your closure request included: deed restriction document; soil and groundwater documents for GIS registry and notification letter to the City of Franklin regarding residual soil and groundwater contamination beneath the right-of-way of Cortez Road south of Jacobus Energy Facility. After review of the closure request, the Department granted a conditional closure to the subject site on February 3, 2006, and requested additional information to satisfy the condition of closure.

On March 3, 2006, the Department received correspondence indicating that you have satisfied the condition of closure. The condition of closure required the responsible party to abandon the groundwater monitoring wells. Based on the correspondence provided, it appears that your site has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code. The Department considers this case closed and no further investigation, remediation or other action is required at this time.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the sites on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>

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 to productive use. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,


Eric Amadi
Hydrogeologist - SER/Milwaukee Service Center

cc: Adam Roder - Sigma Environmental Services, Inc.
SER Case File #: 03-41-185290; 02-41-185295



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
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Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

February 3, 2006

Mr. Mike Helgeson
Jacobus Energy, Inc.
11815 West Bradley Road
Milwaukee, WI 53224

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure
Jacobus Fuel Bulk Facility, 11221 West Forest Home Avenue, Franklin, WI.
WDNR BRRTS #: 03-41-185290; 02-41-185295; FID #: 241916290

Dear Mr. Helgeson:

On December 21, 2005, your request for closure of the case described above was reviewed by the Department of Natural Resources (Department). The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Information submitted to the Department for closure request include: soil deed restriction document; soil and groundwater documents for GIS registry and notification letter to the City of Franklin regarding residual soil and groundwater contamination beneath the right-of-way of Cortez Road south of the Jacobus Energy Facility. After review of the closure request, the Department has determined that the petroleum and non-petroleum contamination on the site from the former underground and aboveground storage tanks located on the property appear to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following condition is satisfied:

MONITORING WELL ABANDONMENT

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

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

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the registry. To review the site on the GIS Registry web page, visit <http://maps.dnr.state.wi.us/brrts>.

State Statute 101.143 requires that PECFA claimants seeking reimbursement of interest costs, 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.

Mr. Mike Helgeson
Conditional Closure - Jacobus Fuel Bulk Facility
Page 2.

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

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,



Eric Amadi
Hydrogeologist - SER/Milwaukee
Bureau for Remediation & Redevelopment

c: Adam Roder - Sigma Environmental Services, Inc.,
1300 W. canal Street, Milwaukee, WI 53233
SER Case File #: 03-41-185290; 02-41-185295



DOC.# 09084907

REGISTER'S OFFICE | SS
Milwaukee County, WI

RECORDED 09/07/2005 03:47PM

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT: 21.00

Document Number

DEED RESTRICTION

Declaration of Restrictions

In Re: Parcel 1 of Certified Survey Map No. 4076 of a part
of the S.E. ¼ of Section 6, T. 5 N., R. 21 E. in the
City of Franklin, Milwaukee County, Wisconsin.

STATE OF WISCONSIN)
) ss
COUNTY OF Milwaukee)

WHEREAS, Jacobus Energy, Inc. is the owner of the above-
described property.

WHEREAS, one or more petroleum discharges have
occurred on this property. Petroleum-contaminated soil
exceeding ch. NR 720, Wis. Adm. Code, Residual
Contaminant Levels and groundwater above ch. NR 140,
Wis. Adm. Code, Enforcement Standards existed on this
property at the locations and dates shown on Exhibit A.

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

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

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

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

The asphalt surface that existed on the above-described property on the date that
this restriction was signed forms a barrier that must be maintained in order to
minimize the infiltration of water and prevent additional groundwater
contamination that would violate the groundwater quality standards in ch. NR
140, Wis. Adm. Code, and to prevent direct contact with residual soil
contamination that might otherwise pose a threat to human health. The required
cap shall be maintained on the above-described property in the locations shown on
the attached map, labeled "Exhibit A, Soil Quality Map" unless another barrier
that reduces infiltration to the greatest extent practicable or provides an infiltration
rate equivalent to the landfill cap design requirements in s. NR 504.07, Wis. Adm.
Code (March 2003) is installed and maintained in its place. The existing cap, and
any replacement barrier, shall be maintained on the above-described property in
compliance with the "Engineered Cap Maintenance Plan" dated August 2005, that

Recording Area
Name and Return Address
Mr. Mike Helgesen
11815 West Bradley Road
Milwaukee, WI 53224

748-9959-002
Parcel Identification Number (PIN)

In addition, the following activities are prohibited on that portion of the property described above where a cap or cover has been placed as shown on the attached figure, 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 (1997).

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

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

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 7 day of SEPTEMBER, 2005.

Signature: 
Printed Name: MICHAEL L. HELGENSEN

Subscribed and sworn to before me
this 7 day of September 2005

Notary Public, State of Wis
My commission 6/2/02

This document was drafted by Sigma Environmental Services, Inc. based on a model deed restriction provided by the Wisconsin Department of Natural Resources.

DRAFTED By: ADAM J. ROPER, P.E. PROJECT ENGINEER
SIGMA ENVIRONMENTAL SERVICES, INC.

PURPOSE

On May 19, 2004, the Wisconsin Department of Natural Resources (WDNR) requested that deed restriction and engineered cap maintenance plan be prepared for the Jacobus Bulk Fuel Facility at 11221 West Forest Home Avenue, Franklin, Wisconsin. A copy of this letter is included as Appendix A. A site map showing the location of the residual soil impacts and engineered cap area is presented as Figure 1.

SITE CONTACT INFORMATION

Responsible Party

Jacobus Energy, Inc.
11815 West Bradley Road
Milwaukee, WI 53224
Contact: Mr. Mike Helgesen
(414) 359-0700

Site Location

11221 West Forest Home Avenue
Franklin, Wisconsin
Milwaukee County
NE¼ of the SE¼ of Section 6, Township 5 North, Range 21 East

Consultant

Sigma Environmental Services, Inc.
1300 West Canal Street
Milwaukee, WI 53223
Contact: Adam J. Roder, P.E.
(414) 643-4200

Regulatory Contact

Wisconsin Department of Natural Resources
Mr. Eric Amadi
2300 N. Dr. Martin Luther King Jr. Drive
PO Box 12436
Milwaukee, WI 53212-0436
(414) 263-8500

INITIAL CONDITION OF SURFACE

The area of residual subsurface impacts is currently covered by an asphalt surface that decreases the amount of water infiltrating the area that is impacted and prevents direct contact with the underlying soil. The surface does not contain significant cracks or potholes. A photo of the current site conditions is presented as Appendix B.

ANNUAL INSPECTION

The impervious cap will be inspected on an annual basis for cracks, potholes or other breaches that would allow groundwater to seep into the soil or expose the soil to human

contact. In accordance with NR 724.13(1)(b), annual inspections will take place for at least the next 30 years. A copy of this code is presented as Appendix C. A copy of the annual inspection form is presented as Appendix D.

CONTINGENCY PLAN

When any breaches are found with the engineered cap, it is the responsibility of the owner, at the time of the inspection, to repair the cap to its original state. If ownership of the property changes within the next 30 years, it is the responsibility of the present owner to either inform the new owner of the annual inspection requirements or to remain as the responsible party for the inspection.

PROPERTY IMPROVEMENTS

The site will be listed on the WDNR Geographic Information System (GIS) Registry of closed remediation sites. The Engineered Cap Maintenance Plan is included with a deed restriction that has been recorded for the property to notify prospective purchasers and developers of the residual subsurface impacts and maintenance requirements for the engineered cap.

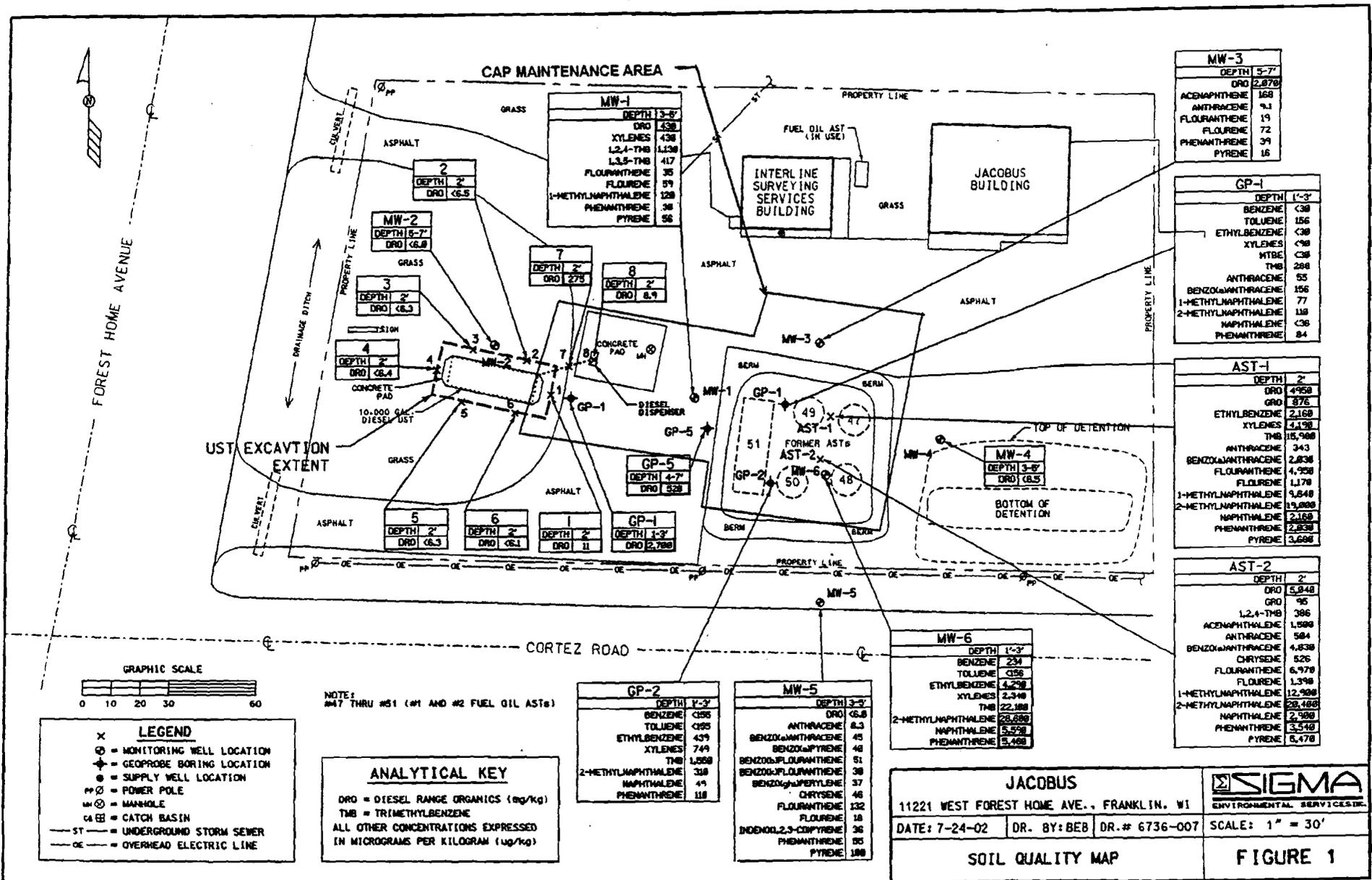
REPORTING

Following each annual inspection, a copy of the completed inspection form, along with a photo taken at the time of inspection, should be sent to the regulatory contact.

SCHEDULE

The first inspection will occur during the summer of 2006. Thereafter, inspections will occur on an annual basis generally coinciding with the first inspection.

This maintenance plan was drafted in accordance with NR 724.13, Wisconsin Administrative Code.



CAP MAINTENANCE AREA

MW-3	
DEPTH	5-7'
DRD	2,878
ACENAPHTHENE	168
ANTHRACENE	9.1
FLOURANTHENE	19
FLOURENE	72
PHENANTHRENE	39
PYRENE	16

GP-1	
DEPTH	1'-3'
BENZENE	<38
TOLUENE	156
ETHYLBENZENE	<38
XYLENES	<98
THB	<38
ANTHRACENE	288
BENZOLANTHRACENE	55
1-METHYLNAPHTHALENE	156
2-METHYLNAPHTHALENE	77
NAPHTHALENE	138
PHENANTHRENE	<38
PYRENE	84

AST-1	
DEPTH	2'
DRD	4,968
GRD	376
ETHYLBENZENE	2,168
XYLENES	4,158
THB	18,908
ANTHRACENE	343
BENZOLANTHRACENE	2,838
FLOURANTHENE	4,958
FLOURENE	1,178
1-METHYLNAPHTHALENE	9,648
2-METHYLNAPHTHALENE	19,808
NAPHTHALENE	2,168
PHENANTHRENE	2,838
PYRENE	3,668

AST-2	
DEPTH	2'
DRD	5,848
GRD	96
1,2,4-THB	386
ACENAPHTHENE	1,588
ANTHRACENE	584
BENZOLANTHRACENE	4,838
CHRYSENE	526
FLOURANTHENE	6,978
FLOURENE	1,398
1-METHYLNAPHTHALENE	12,988
2-METHYLNAPHTHALENE	28,488
NAPHTHALENE	2,988
PHENANTHRENE	3,548
PYRENE	5,478

MW-1	
DEPTH	1.5-8'
DRD	438
XYLENES	438
1,2,4-THB	1,138
1,3,5-THB	417
FLOURANTHENE	35
FLOURENE	59
1-METHYLNAPHTHALENE	128
PHENANTHRENE	38
PYRENE	58

2	
DEPTH	2'
DRD	<6.5

MW-2	
DEPTH	8-7'
DRD	<6.8

3	
DEPTH	2'
DRD	<6.3

4	
DEPTH	2'
DRD	<6.4

7	
DEPTH	2'
DRD	278

8	
DEPTH	2'
DRD	8.9

GP-5	
DEPTH	4-7'
DRD	528

5	
DEPTH	2'
DRD	<6.3

6	
DEPTH	2'
DRD	<6.1

1	
DEPTH	2'
DRD	11

GP-1	
DEPTH	1-3'
DRD	2,788

MW-6	
DEPTH	1'-3'
BENZENE	234
TOLUENE	<38
ETHYLBENZENE	4,238
XYLENES	2,348
THB	22,188
2-METHYLNAPHTHALENE	28,688
NAPHTHALENE	5,538
PHENANTHRENE	5,488

GP-2	
DEPTH	1-3'
BENZENE	<38
TOLUENE	<38
ETHYLBENZENE	435
XYLENES	749
THB	1,588
2-METHYLNAPHTHALENE	38
NAPHTHALENE	49
PHENANTHRENE	118

MW-5	
DEPTH	3-3'
DRD	<6.8
ANTHRACENE	83
BENZOLANTHRACENE	45
BENZOLAPYRENE	48
BENZOFLOURANTHENE	51
BENZOFLOURANTHENE	38
BENZOFMERTHYLENE	37
CHRYSENE	48
FLOURANTHENE	132
FLOURENE	18
INDENOD,2,3-COPYRENE	36
PHENANTHRENE	55
PYRENE	188

NOTE: #47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

ANALYTICAL KEY
 DRD = DIESEL RANGE ORGANICS (ng/kg)
 THB = TRIMETHYLBENZENE
 ALL OTHER CONCENTRATIONS EXPRESSED
 IN MICROGRAMS PER KILOGRAM (ug/kg)

LEGEND

- X = MONITORING WELL LOCATION
- ⊕ = GEOPROBE BORING LOCATION
- ⊙ = SUPPLY WELL LOCATION
- ⊚ = POWER POLE
- ⊛ = MANHOLE
- ⊜ = CATCH BASIN
- ST— = UNDERGROUND STORM SEWER
- OE— = OVERHEAD ELECTRIC LINE

JACOBUS
 11221 WEST FOREST HOME AVE., FRANKLIN, WI
 DATE: 7-24-02 DR. BY: BEB DR. # 6736-007 SCALE: 1" = 30'

SIGMA
 ENVIRONMENTAL SERVICES, INC.

SOIL QUALITY MAP **FIGURE 1**

6244925

The Jacobus Company, a Wisconsin corporation, f/k/a Hillside Realty Company, a Wisconsin corporation quit-claims to Jacobus Petroleum Products, Inc., a Wisconsin corporation

REGISTER'S OFFICE Milwaukee County, WI RECORDED AT 2:04 PM

JAN 17 1989

REEL 2295 IMAGE 975

With Copy REGISTER OF DEEDS

the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO Patricia L. Budke Godfrey & Kahn, S.C. 780 North Water Street Milwaukee, WI 53202

Tax Parcel No: FRLC 748-9959-002

Parcel 1 of Certified Survey Map No. 4076 of a part of the S.E. 1/4 of Section 6, T. 5 N., R. 21 E. in the City of Franklin, Milwaukee County, Wisconsin.

This Deed is being executed to correct the legal description of that certain Warranty Deed previously recorded on October 5, 1988 as Document Number 6215200.

FILE # 77.25(3) EXEMPT

6244925 # RECORDED 4.00

This is not homestead property. (X) (XXXX)

Dated this 21st day of January, 1989

THE JACOBUS COMPANY By: [Signature] (SEAL)

C. D. Jacobus, President

Attest: [Signature] (SEAL)

F. J. Regenfuss, Secretary

AUTHENTICATION

Signature(s) C. D. Jacobus and

F. J. Regenfuss

authenticated this 21st day of January, 1989

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Patricia L. Budke

Godfrey & Kahn, S.C.

(Signatures may be authenticated or acknowledged, both are not necessary)

ACKNOWLEDGMENT

STATE OF WISCONSIN

Milwaukee County, ss.

Personally came before me this 21st day of

January, 1989, the above named C. D. Jacobus and F. J. Regenfuss

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Notary Public, Milwaukee County, Wis. My Commission is permanent. (If not, state expiration date:)

42

REEL 1394 IMAT 1400

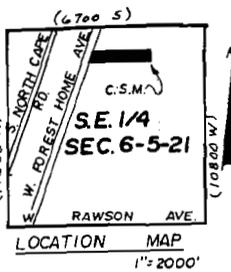
5493488

REGISTER'S OFFICE
Milwaukee County, Wis.
RECORDED AT 11:45 AM

AUG 10 1981
REEL 1394 IMAGE 1490

REGISTER OF DEEDS

BEARINGS REFER TO GRID NORTH OF THE WISC. ST. PL. COORDINATE SYST. (S. ZONE)



CERTIFIED SURVEY MAP NO. 4076

OF A PART OF THE S.E. 1/4 OF SECTION 6, T.5N, R.21E.,
IN THE CITY OF FRANKLIN, MILWAUKEE COUNTY, WISC.



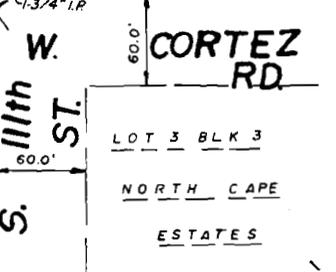
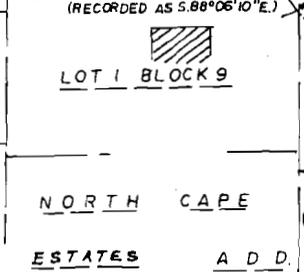
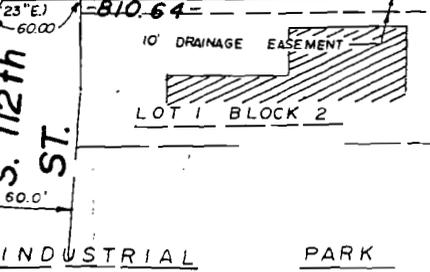
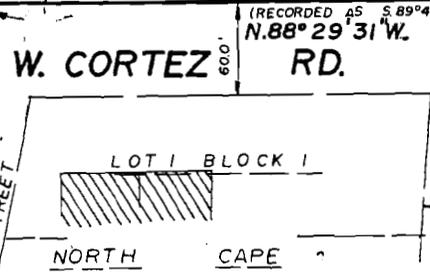
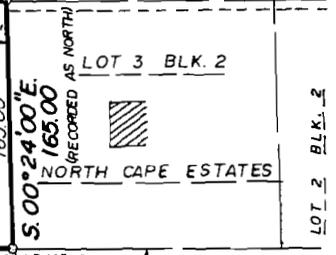
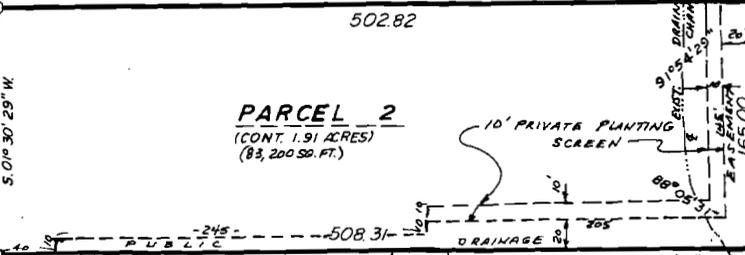
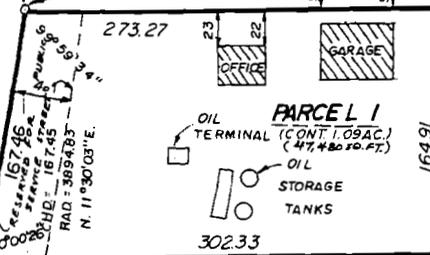
**INMAN ENGINEERING
OF MILWAUKEE, INC.**
11221 W. FOREST HOME
MILWAUKEE, WISCONSIN 53132
PHONE 425-2080

○ DENOTES 1" X 24" IRON PIPE, 1.13 LBS./LIN. FT. UNLESS SHOWN.

UNPLATTED LANDS

S. 88° 29' 31" E. - 776.09 -

W. FOREST HOME AVE.
(C.T.H. '00')



5493488 #
RECORDED
4.00

JOB NO. 9224
SHEET 1 OF 3

1-167

April 10, 2003



Daniel Keske
Property Services, Unlimited, Inc.
11011 West Forest Home Avenue
Franklin, Wisconsin 53132

Subject: Notice of Residual Petroleum Hydrocarbon Impacts to Soil and Groundwater

**Jacobus Energy
11221 West Forest Home Avenue, Franklin, Wisconsin**

Dear Mr. Keske:

Jacobus Energy, Inc. (Jacobus) is notifying Property Services, Limited, Inc., that residual petroleum hydrocarbon impacts to soil and groundwater currently remain at the above referenced property (hereinafter the "site"), which you currently own. Jacobus and our environmental consultant, Sigma Environmental Services, Inc. (Sigma), submitted a case closure request for the site to the Wisconsin Department of Natural Resources (WDNR) in January 2003. Because of the residual soil and groundwater impacts above NR 720 Residual Contaminant Levels (RCLs) and NR 140 Enforcement Standards (ESs) that still exist at the site, the 11221 West Forest Home Avenue property will be listed in the Wisconsin Department of Natural Resources' (WDNR) Geographic Information System (GIS) Registry of closed remediation sites.

Enclosed for your reference is a groundwater quality map showing the monitoring well locations, historical groundwater quality data and the designated area of residual groundwater impacts. Additionally, a soil quality map showing soil boring locations, soil quality data, and the designated area of residual soil impacts is enclosed. Groundwater and soil quality data are included in the attached Tables. Residual groundwater impacts are limited to the central portion of the site. On-site groundwater impacts above NR 140 ESs are limited to monitoring well MW-1. Residual soil impacts are located within 1 to 3 feet below ground surface interval of the soil column. Soil impacts are also located within the former above ground tanks (AST). Contaminant concentration trends in the groundwater samples collected from these wells indicate that the contaminant plume is stable or decreasing. Furthermore, geochemical data and *in situ* groundwater measurements indicate that natural attenuation will continue to degrade the residual contaminants over time and is an acceptable final remedy to achieve case closure and no further action status.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds Chapter NR 140 ESs and soil contamination exceeds Chapter NR 720 RCLs will be listed on the WDNR's GIS Registry of closed remediation sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where groundwater contamination above Chapter NR 140 ESs was found at the time that the case was closed. The GIS Registry is available to the general public on the WDNR's internet web site. Please review

11815 W Bradley Rd, Milwaukee, WI 53224

414-359-0700 1-800-242-4702

www.jacobusenergy.com

i:\jacobus\4590\notifproperty.let.doc

the enclosed legal description of your property (see deed), and notify Jacobus or Sigma within the next 30 days if the legal description is incorrect.

Should you or any subsequent property owner wish to construct a well on your property, special well construction standards may be necessary to protect the well from the residual groundwater contamination. Any well driller who proposes to construct a well on your property in the future will first need to call Diggers Hotline (1-800-242-8511) if your property is located outside the service area of a municipally-owned water system, or contact the Drinking Water program within the WDNR if your property is located within the designated service area of a municipally-owned water system, to determine if there is a need for special well construction standards. In addition, if future construction activities require dewatering, or if groundwater is to be otherwise extracted from or adjacent to the site, the groundwater should be sampled and managed in compliance with applicable statutes and rules.

Once the WDNR makes a decision on the Jacobus closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of this letter by requesting a copy from Jacobus, by writing to the WDNR at the address given above, or by accessing the WDNR GIS Registry on the internet at www.dnr.state.wi/org/at/et/geo/gwur. A copy of the closure letter will be included as part of the site file on the GIS Registry.

If you need more information, you may contact myself at (414) 359-0700, Sigma at (414) 768-7144, or the WDNR at (608) 275-3212.

Sincerely,
JACOBUS ENERGY, INC.



Michael Helgesen
Environmental/Safety Manager

Enclosures:

Groundwater Quality Map
Soil Quality Map
Groundwater and Soil Analytical Tables
Current Deed for 11221 West Forest Home Avenue, Franklin, Wisconsin

cc: Mr. Martin D. Nessman – Sigma Environmental Services, Inc.

MAILED
2-17-04

1300 West Canal Street
Milwaukee, WI 53233
414-643-4200
FAX: 414-643-4210

February 17, 2004

Project Reference #4590

Ms. Sandra L. Wesolowski
Franklin City Clerk
9229 West Loomis Road
Franklin, WI 53132

Certified Mail

Subject: Notification of Contamination Within Right-of-Ways for Cortez Road

Dear Ms. Wesolowski:

Enclosed, please find a copy of the Notification of Contamination within right-of-way letter, which was sent to the City of Franklin Director of Public Works-City Engineer, John Bennett. Wisconsin Administrative Code, Chapter NR 726.05 (2)(b)(4) requires the Municipal Clerk and Municipal Department responsible for maintaining the street or highway be given written notification of the presence of petroleum impacts within the right-of-way. The attached letter serves as this notification. Please place a copy of this notification in the appropriate files.

If you have any questions or comments regarding this notification, please feel free to contact Sigma at (414) 768-7144.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.



Martin D. Nessman, P.G.
Project Hydrogeologist

Enclosure: As noted



February 17, 2004

Project Reference #4590

Mr. John Bennett
Director of Public Works- City Engineer
City of Franklin Department of Public Works
9229 West Loomis Road
Franklin, WI 53132

Certified Mail

Subject: Notification of Contamination Within Right-of-Way

Dear Mr. Bennett:

On behalf of Jacobus Energy, Sigma Environmental Services, Inc. (Sigma) is notifying the City of Franklin engineering department of the presence of residual petroleum hydrocarbon impacts within soil and groundwater located beneath Cortez Road south of the Jacobus Energy property. Following is a summary of information that must be disclosed according to the Wisconsin Department of Natural Resources (WDNR):

County: Milwaukee
Roadway: West Forest Home Avenue and Cortez Road
Site name: Jacobus Energy
Site address: 11221 West Forest Home Avenue, Franklin, Wisconsin 53132
BRRTS #: 02-41-185295
PECFA #:
WDNR FID #: 241916290

Owner's name: Jacobus Energy (Mike Helgesen)
Owner's address: 11815 West Bradley Road, Milwaukee, WI 53224
Consulting firm: Sigma Environmental Services, Inc.
Consultant contact: Martin D. Nessman
Consultant address: 220 East Ryan Road, Oak Creek, WI 53154
Phone and fax: (414) 768-7144 / (414) 768-7158
Email: mnessman@thesigmagroup.com

Soil contamination: Yes
Depth to contaminated soil: Approximately 1 to 3 feet
Vertical extent of contaminated soil: Approximately 1 foot to 3 feet below ground surface (fluctuating water table zone)
Groundwater contamination: Yes
Depth to water table: Approximately 3 to 4 feet below ground surface



Description of contamination: Diesel range organics (DRO); Gasoline range organics (GRO); benzene, ethylbenzene, xylenes (BTEX); trimethylbenzene (TMB), acenaphthalene, anthrance, chrysene, flouranthene, flourene, naphthalene, phenanthrene, pyrene.

Summary of cleanup activities: Eight rounds of remediation by natural attenuation groundwater monitoring have been completed between October 1999 and July 2002 to establish stable to decreasing contaminant plume conditions.

Groundwater quality map: Attached, see "Soil Quality Map"

Soil quality map: Attached, see "Soil Quality Map"

The WDNR will be evaluating the site for case closure in the coming months. As part of the closure process, the Jacobus Energy property and adjacent properties with groundwater contamination above Wisconsin Administrative Code (WAC), Chapter NR 140 Enforcement Standards will be listed in the WDNR's Geographic Information System (GIS) database for properties with groundwater contamination above NR 140 Enforcement Standards.

If future construction activities disturb soil within the right-of-ways as described above, the excavated soil may be considered a solid waste and require proper disposal. In addition, if future construction activities require dewatering, or if groundwater is to be otherwise extracted in the vicinity of this area, the groundwater should be sampled and managed in compliance with applicable statutes and rules.

If you have any questions or comments, please contact Sigma at (414) 768-7144.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

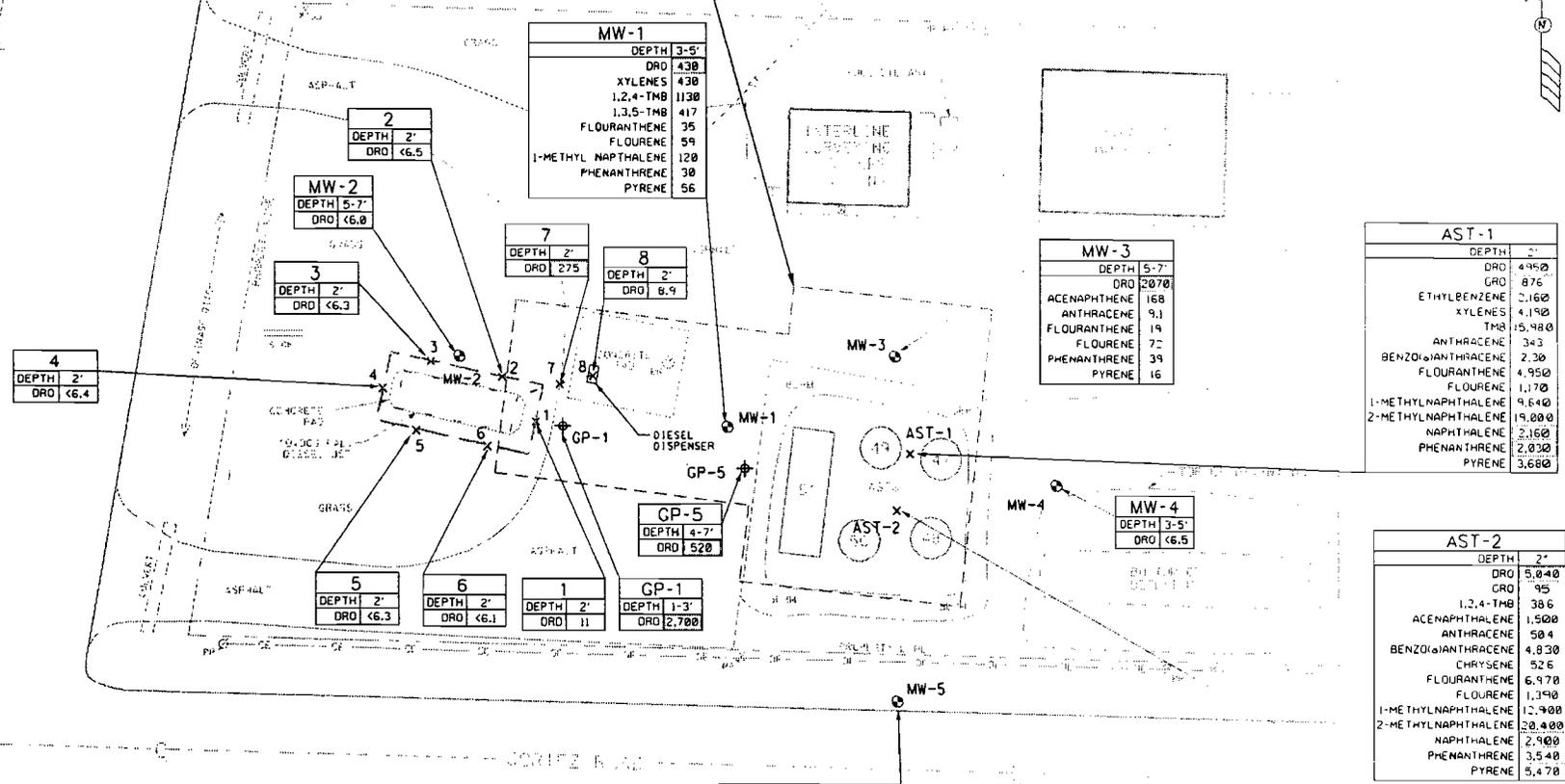
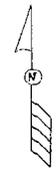


Martin D. Nessman, P.G.
Project Hydrogeologist

Enclosures:

Groundwater Quality Map
Soil Quality Map

ESTIMATED AREA OF SOIL IMPACTS



MW-1	
DEPTH	3-5'
DRO	430
XYLENES	430
1,2,4-TMB	1130
1,3,5-TMB	417
FLUORANTHENE	35
FLOURENE	59
1-METHYL NAPHTHALENE	120
PHENANTHRENE	30
PYRENE	56

2	
DEPTH	2'
DRO	<6.5

MW-2	
DEPTH	5-7'
DRO	<6.0

3	
DEPTH	2'
DRO	<6.3

4	
DEPTH	2'
DRO	<6.4

7	
DEPTH	2'
DRO	275

8	
DEPTH	2'
DRO	8.9

MW-3	
DEPTH	5-7'
DRO	2070
ACENAPHTHENE	168
ANTHRACENE	9.1
FLOURANTHENE	19
FLOURENE	72
PHENANTHRENE	39
PYRENE	16

AST-1	
DEPTH	2'
DRO	4950
GRO	876
ETHYLBENZENE	2,160
XYLENES	4,150
TMB	15,480
ANTHRACENE	343
BENZ(a)ANTHRACENE	2.30
FLOURANTHENE	4,950
FLOURENE	1,170
1-METHYLNAPHTHALENE	9,640
2-METHYLNAPHTHALENE	19,000
NAPHTHALENE	2,160
PHENANTHRENE	2,030
PYRENE	3,680

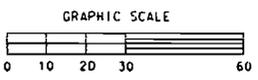
GP-5	
DEPTH	4-7'
DRO	520

MW-4	
DEPTH	3-5'
DRO	<6.8

AST-2	
DEPTH	2'
DRO	5,040
GRO	95
1,2,4-TMB	386
ACENAPHTHENE	1,500
ANTHRACENE	50.4
BENZ(a)ANTHRACENE	4.830
CHRYSENE	52.6
FLOURANTHENE	6,970
FLOURENE	1,350
1-METHYLNAPHTHALENE	12,900
2-METHYLNAPHTHALENE	20,400
NAPHTHALENE	2,900
PHENANTHRENE	3,540
PYRENE	5,470

ANALYTICAL KEY

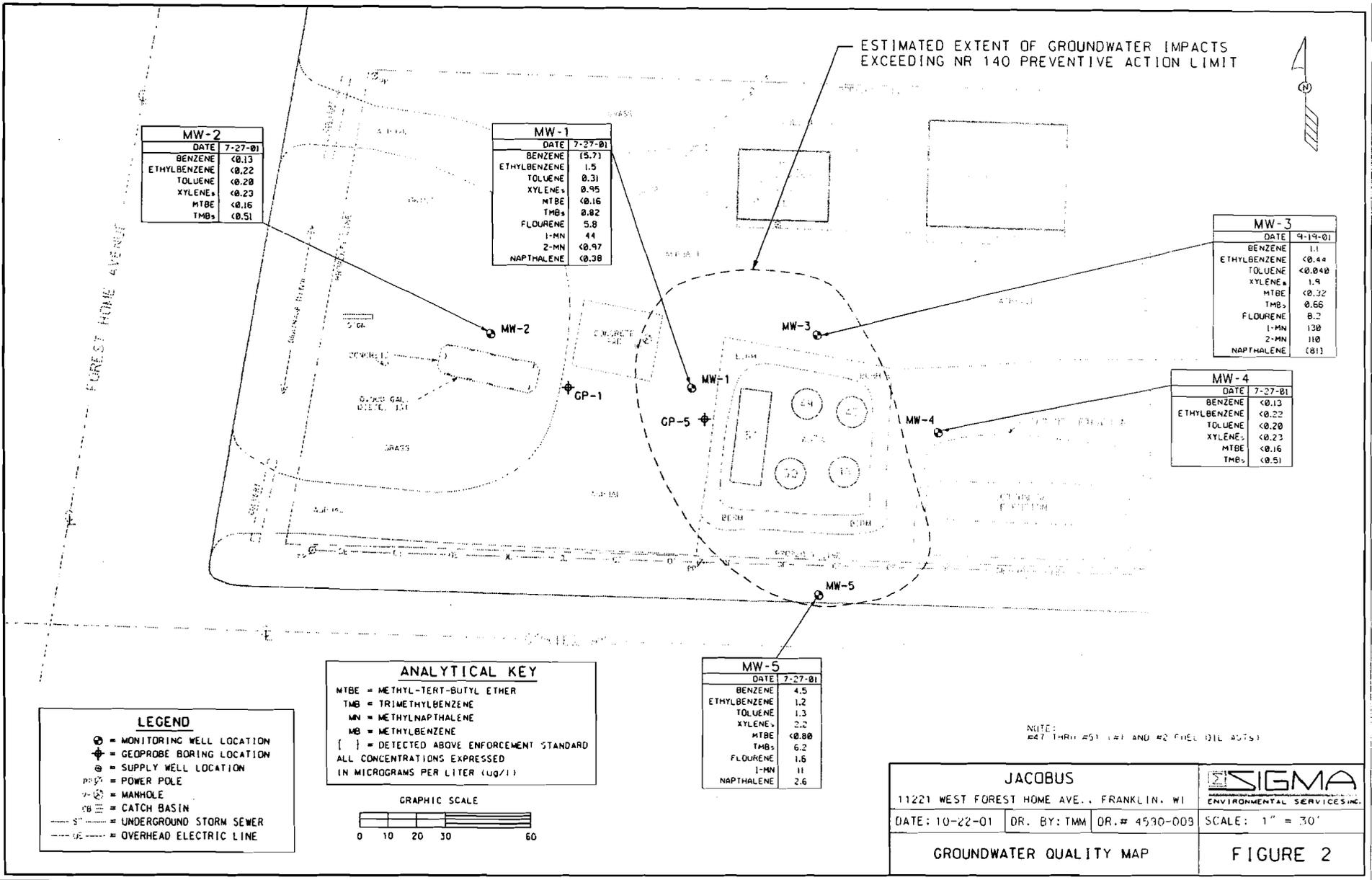
DRO = DIESEL RANGE ORGANICS (mg/kg)
 TMB = TRIMETHYLBENZENE
 ALL OTHER CONCENTRATIONS EXPRESSED
 IN MICROGRAMS PER KILOGRAM (ug/kg)



MW-5	
DEPTH	3-5'
DRO	<6.0
ANTHRACENE	8.3
BENZ(a)ANTHRACENE	45
BENZ(b)PYRENE	40
BENZ(a)FLUORANTHENE	51
BENZ(b)FLUORANTHENE	30
BENZ(k)FLUORANTHENE	37
CHRYSENE	46
FLOURANTHENE	132
FLOURENE	18
INDEN(1,2,3-CO)PYRENE	36
PHENANTHRENE	55
PYRENE	100

NOTE:
 #47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

JACOBUS		 ENVIRONMENTAL SERVICES INC.
11221 WEST FOREST HOME AVE., FRANKLIN, WI		
DATE: 11-19-99	DR. BY: TMM	DR. # 4590-010
SOIL QUALITY MAP		SCALE: 1" = 30'
		FIGURE 1



MAILED
2-17-04

February 17, 2004

Project Reference #4590

Mr. John Bennett
Director of Public Works- City Engineer
City of Franklin Department of Public Works
9229 West Loomis Road
Franklin, WI 53132

Certified Mail

Subject: Notification of Contamination Within Right-of-Way

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Consultant contact: Martin D. Nessman
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Groundwater quality map: Attached, see "Soil Quality Map"

Soil quality map: Attached, see "Soil Quality Map"

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If you have any questions or comments, please contact Sigma at (414) 768-7144.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.

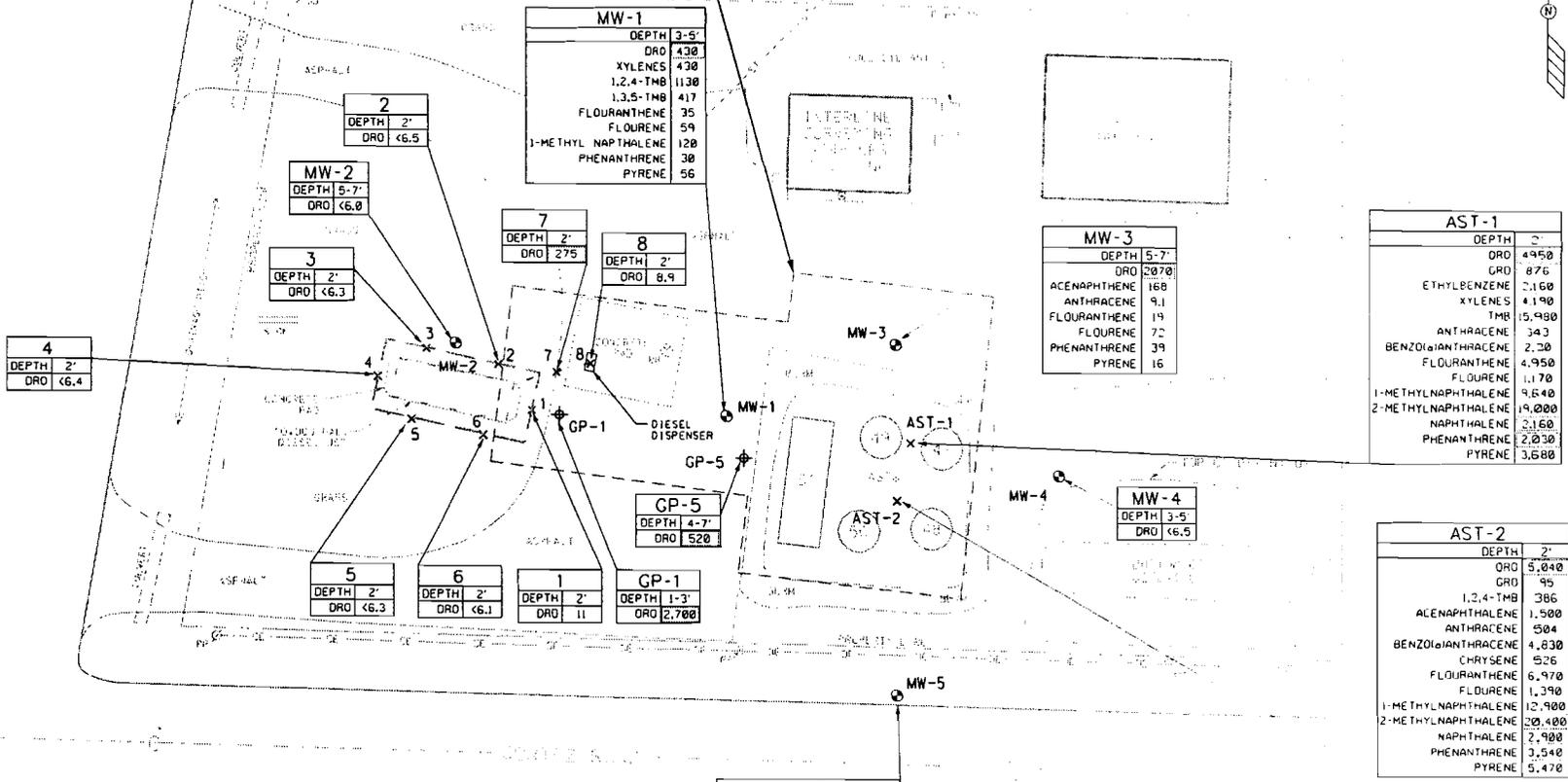


Martin D. Nessman, P.G.
Project Hydrogeologist

Enclosures:

Groundwater Quality Map
Soil Quality Map

ESTIMATED AREA OF SOIL IMPACTS



4
DEPTH 2'
DRO <6.4

2
DEPTH 2'
DRO <6.5

MW-2
DEPTH 5-7'
DRO <6.8

3
DEPTH 2'
DRO <6.3

MW-1
DEPTH 3-5'
DRO 430
XYLENES 430
1,2,4-TMB 1130
1,3,5-TMB 417
FLUORANTHENE 35
FLOURENE 59
1-METHYL NAPHTHALENE 120
PHENANTHRENE 30
PYRENE 56

7
DEPTH 2'
DRO 275

8
DEPTH 2'
DRO 8.9

MW-3
DEPTH 5-7'
DRO 2070
ACENAPHTHENE 160
ANTHRACENE 9.1
FLUORANTHENE 19
FLOURENE 72
PHENANTHRENE 39
PYRENE 16

AST-1
DEPTH 0'
DRO 4950
CRD 876
ETHYLBENZENE 2,160
XYLENES 4,190
TMB 15,980
ANTHRACENE 343
BENZ(a)ANTHRACENE 2,30
FLUORANTHENE 4,950
FLOURENE 1,170
1-METHYLNAPHTHALENE 9,640
2-METHYLNAPHTHALENE 19,000
NAPHTHALENE 2,160
PHENANTHRENE 2,030
PYRENE 3,680

GP-5
DEPTH 4-7'
DRO 520

MW-4
DEPTH 3-5'
DRO <6.5

5
DEPTH 2'
DRO <6.3

6
DEPTH 2'
DRO <6.1

1
DEPTH 2'
DRO 11

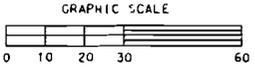
GP-1
DEPTH 1-3'
DRO 2,700

AST-2
DEPTH 2'
DRO 5,040
CRD 95
1,2,4-TMB 386
ACENAPHTHENE 1,500
ANTHRACENE 504
BENZ(a)ANTHRACENE 4,630
CHRYSENE 526
FLUORANTHENE 6,970
FLOURENE 1,390
1-METHYLNAPHTHALENE 12,900
2-METHYLNAPHTHALENE 20,400
NAPHTHALENE 2,900
PHENANTHRENE 3,540
PYRENE 5,470

MW-5
DEPTH 3-5'
DRO <6.0
ANTHRACENE 8.3
BENZ(a)ANTHRACENE 45
BENZ(a)PYRENE 40
BENZ(b)FLUORANTHENE 51
BENZ(k)FLUORANTHENE 30
BENZ(g)h)PERYLENE 37
CHRYSENE 46
FLUORANTHENE 132
FLOURENE 18
INDENO(1,2,3-C)PYRENE 36
PHENANTHRENE 55
PYRENE 100

ANALYTICAL KEY

DRO = DIESEL RANGE ORGANICS (mq/kg)
 TMB = TRIMETHYLBENZENE
 ALL OTHER CONCENTRATIONS EXPRESSED
 IN MICROGRAMS PER KILOGRAM (ug/kg)



LEGEND

- x = MONITORING WELL LOCATION
- ⊕ = GEOPROBE BORING LOCATION
- ⊙ = SUPPLY WELL LOCATION
- ⊖ = POWER POLE
- ⊗ = MANHOLE
- ⊠ = CATCH BASIN
- ST--- = UNDERGROUND STORM SEWER
- E--- = OVERHEAD ELECTRIC LINE

NOTE:
 #47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

JACOBUS		
11221 WEST FOREST HOME AVE., FRANKLIN, WI		
DATE: 11-19-99	DR. BY: TMM	DR.# 4590-010
SCALE: 1" = 30'		FIGURE 1

SOIL QUALITY MAP

ESTIMATED EXTENT OF GROUNDWATER IMPACTS EXCEEDING NR 140 PREVENTIVE ACTION LIMIT



MW-2	
DATE	7-27-01
BENZENE	<0.13
ETHYLBENZENE	<0.22
TOLUENE	<0.20
XYLENE	<0.23
MTBE	<0.16
TMB	<0.51

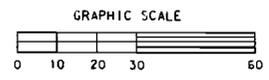
MW-1	
DATE	7-27-01
BENZENE	15.71
ETHYLBENZENE	1.5
TOLUENE	0.31
XYLENE	0.95
MTBE	<0.16
TMB	0.82
FLOURENE	5.8
1-MN	44
2-MN	<0.97
NAPHTHALENE	<0.38

MW-3	
DATE	9-19-01
BENZENE	1.1
ETHYLBENZENE	<0.44
TOLUENE	<0.040
XYLENE	1.9
MTBE	<0.32
TMB	0.66
FLOURENE	6.2
1-MN	130
2-MN	110
NAPHTHALENE	(61)

MW-4	
DATE	7-27-01
BENZENE	<0.13
ETHYLBENZENE	<0.22
TOLUENE	<0.20
XYLENE	<0.23
MTBE	<0.16
TMB	<0.51

MW-5	
DATE	7-27-01
BENZENE	4.5
ETHYLBENZENE	1.2
TOLUENE	1.3
XYLENE	2.2
MTBE	<0.80
TMB	6.2
FLOURENE	1.6
1-MN	11
NAPHTHALENE	2.6

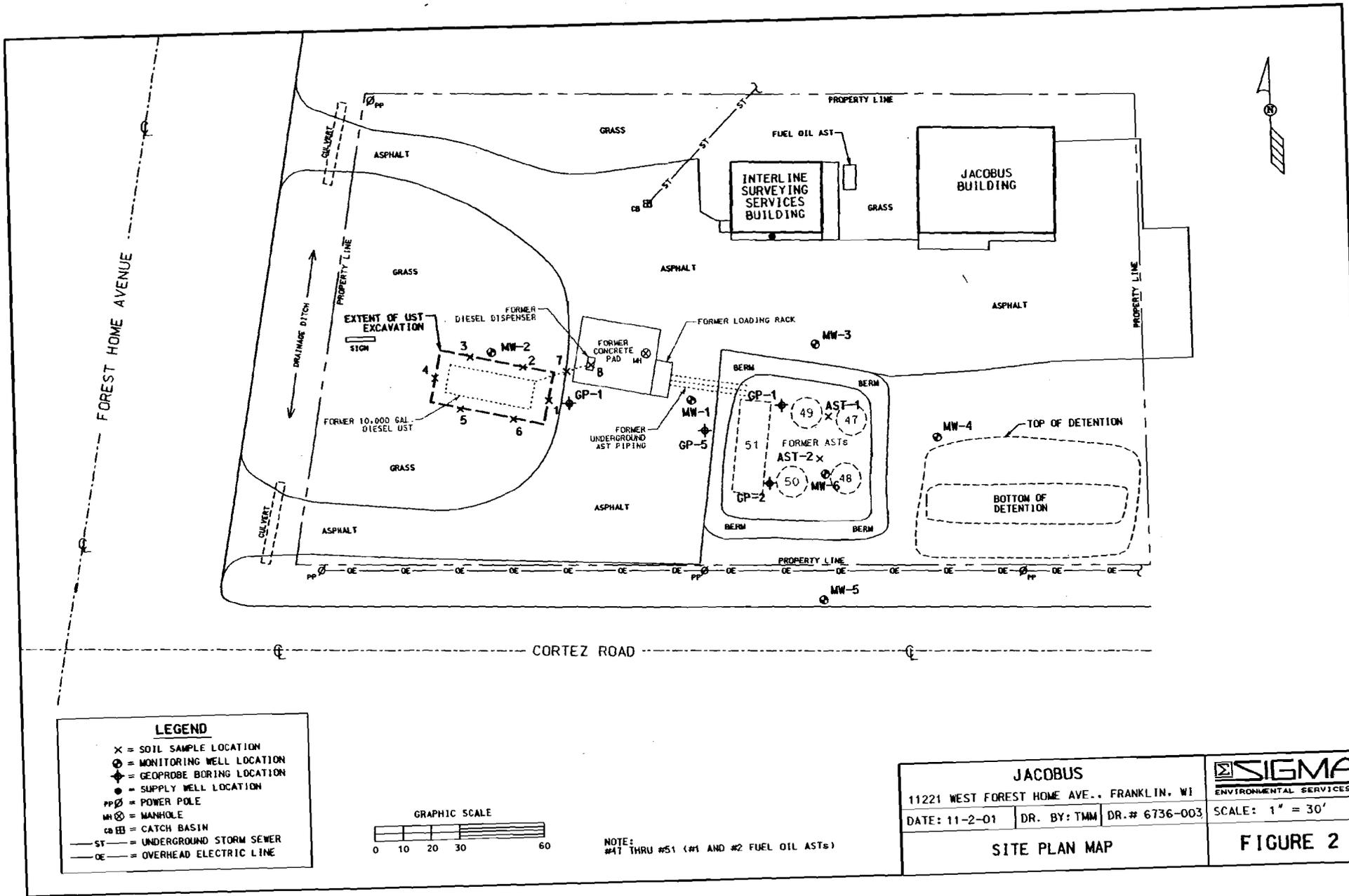
ANALYTICAL KEY	
MTBE	= METHYL-TERT-BUTYL ETHER
TMB	= TRIMETHYLBENZENE
MN	= METHYLNAPHTHALENE
MB	= METHYLBENZENE
[]	= DETECTED ABOVE ENFORCEMENT STANDARD
ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (UG/L)	



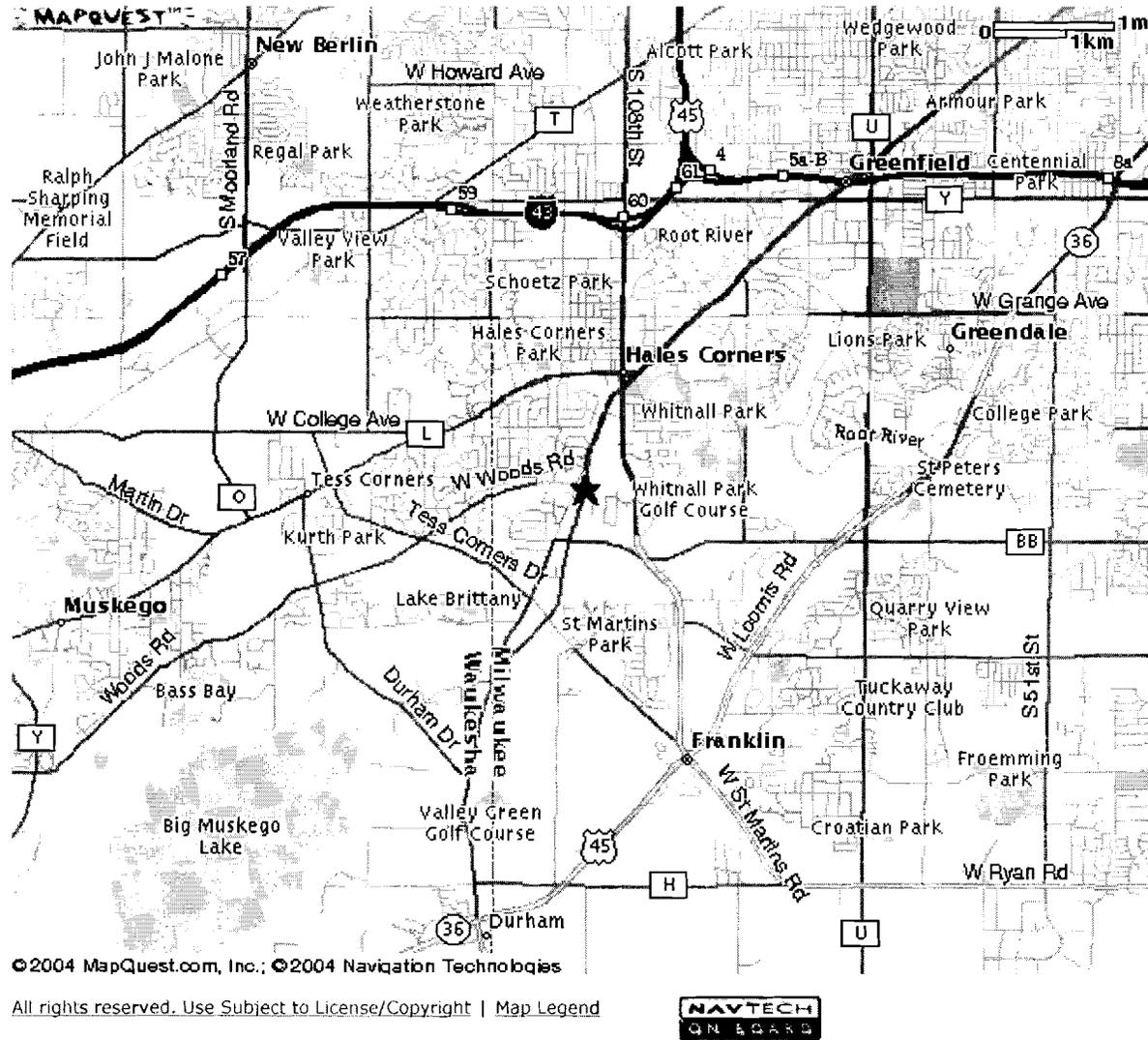
LEGEND	
⊙	= MONITORING WELL LOCATION
⊕	= GEOPROBE BORING LOCATION
⊗	= SUPPLY WELL LOCATION
⊙	= POWER POLE
⊙	= MANHOLE
⊙	= CATCH BASIN
---	= UNDERGROUND STORM SEWER
---	= OVERHEAD ELECTRIC LINE

NOTE: #41 THRU #51 (#41 AND #42 FUEL OIL ASTS)

JACOBUS			SIGMA ENVIRONMENTAL SERVICES INC.
11221 WEST FOREST HOME AVE., FRANKLIN, WI			
DATE: 10-22-01	DR. BY: TMM	DR. # 4590-009	SCALE: 1" = 30'
GROUNDWATER QUALITY MAP			FIGURE 2



NOTE:
 #47 THRU #51 (#1 AND #2 FUEL OIL ASTs)



This map is informational only. No representation is made or warranty given as to its content. User assumes all risk of use. MapQuest and its suppliers assume no responsibility for any loss or delay resulting from such use.

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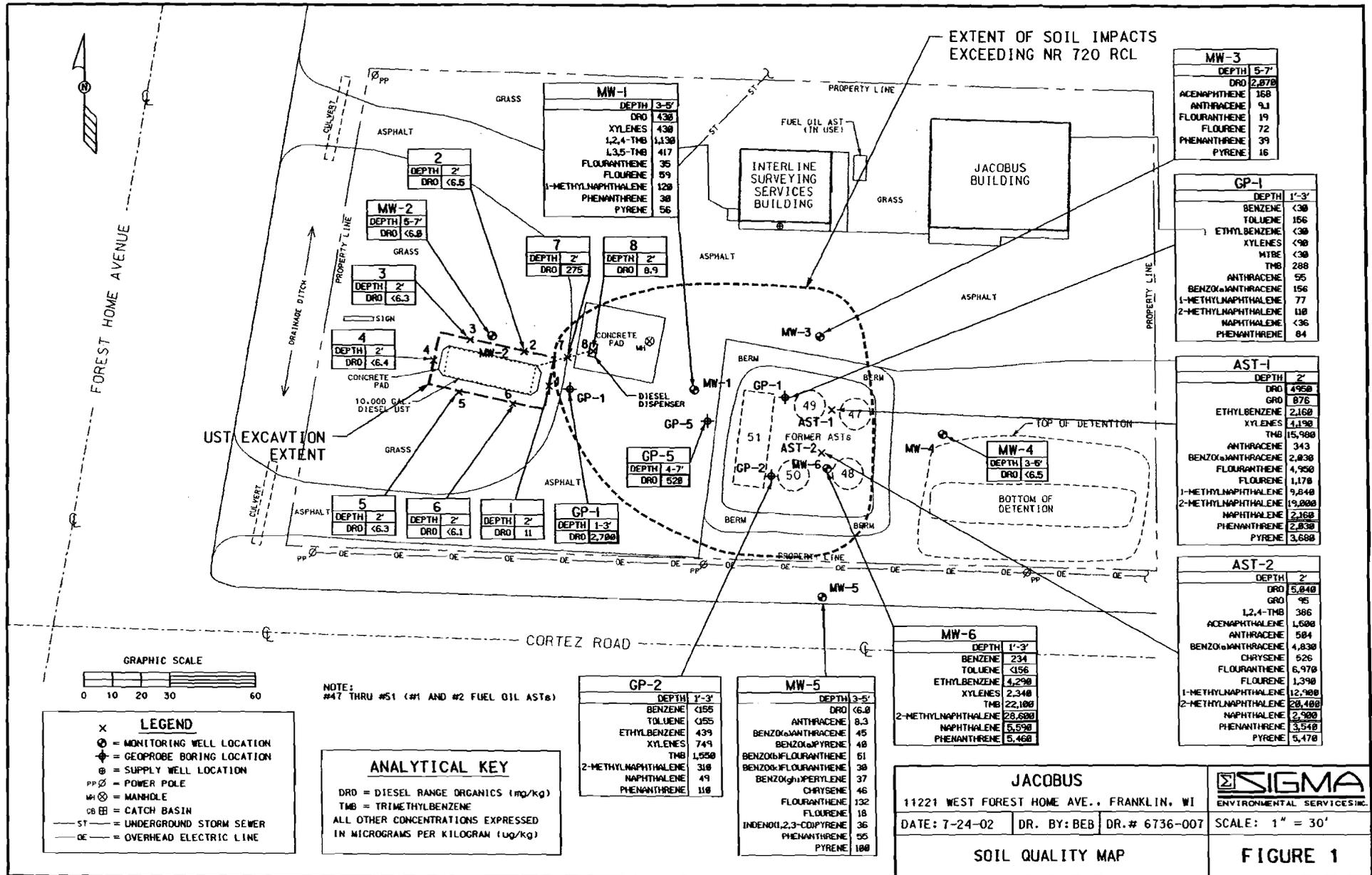


TABLE 1
SOIL ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin

	UNITS	GP-1	GP-5	MW-1	MW-2	MW-3	MW-4	MW-5	GP-1	GP-2	MW-6	NR720	NR 746	NR 746
Depth	feet bgs	1-3	4-7	3-5	5-7	5-7	3-5	3-5	1-3	1-3	1-3	RCL	Table 1	Table 2
DRO	mg/kg	2700	520	430	<6.0	2070	<6.5	<6.0	NA	NA	NA	100	NS	NS
PVOCs														
Benzene	µg/kg	---	---	<65	<30	<65	<33	<30	<30	<155	234	5.5	8,500	1,100
Toluene	µg/kg	---	---	<65	<30	<65	<33	<30	<30	<155	<156	1,500	38,000	NS
Ethylbenzene	µg/kg	---	---	<65	<30	<65	<33	<30	156	439	4,290	2,900	4,600	NS
Xylenes	µg/kg	---	---	430	<89	<194	<98	<90	<90	749	2,340	4,100	42,000	NS
Methyl-tert-butyl ether	µg/kg	---	---	<65	<30	<65	<33	<30	<30	<155	<156	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	---	---	1130	<30	<65	<33	<30	288	1,550	22,100	NS	83,000	NS
1,3,5-Trimethylbenzene	µg/kg	---	---	417	<30	<336	<33	<30	<30	<155	<156	NS	11,000	NS
PAH's												WDNR Guidance for Groundwater Pathway	WDNR Guidance for Direct Contact Pathway	
													Non-Industrial	Industrial
Acenaphthene	µg/kg	---	---	<65	<60	168	<65	<60	<60	<65	845	38000	900000	60000000
Acenaphthylene	µg/kg	---	---	<110	<100	<110	<110	<100	<100	<110	<110	700	18000	360000
Anthracene	µg/kg	---	---	<6.5	<6.0	9.1	<6.5	8.3	55	25	663	3000000	5000000	300000000
Benzo (a) Anthracene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	45	156	26	182	17000	88	3900
Benzo (a) Pyrene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	40	<6.0	11	<6.5	48000	8.8	390
Benzo (b) Fluoranthene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	51	<6.0	<6.5	<6.5	360000	88	3900
Benzo (k) Fluoranthene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	30	<6.0	<6.5	<6.5	870000	880	39000
Benzo (ghi) Perylene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	37	<6.0	6.8	<6.5	6800000	1800	39000
Chrysene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	46	28	<6.5	130	37000	8800	390000
Dibenzo (a,h) Anthracene	µg/kg	---	---	<13	<12	<13	<13	<12	<9.0	<9.7	<9.8	38000	88	390
Fluoranthene	µg/kg	---	---	35	<12	19	<13	132	348	63	2,340	500000	600000	40000000
Fluorene	µg/kg	---	---	59	<12	72	<13	18	100	48	2,340	100000	600000	40000000
Indeno (1,2,3-cd) Pyrene	µg/kg	---	---	<6.5	<6.0	<6.5	<6.5	36	<6.0	12	<6.5	680000	88	3900
1-Methyl Naphthalene	µg/kg	---	---	120	<36	<39	<39	<36	77	245	14,300	23000	1100000	70000000
2-Methyl Naphthalene	µg/kg	---	---	<33	<30	<32	<33	<30	110	310	28,600	20000	600000	40000000
Naphthalene	µg/kg	---	---	<39	<36	<39	<39	<36	<36	49	5,590	400	20000	110000
Phenanthrene	µg/kg	---	---	30	<6.0	39	<6.5	55	84	110	5,460	1800	18000	390000
Pyrene	µg/kg	---	---	56	<6.0	16	<6.5	100	612	97	4,290	8700000	500000	30000000

Key:

- PID = Photoionization Detection Result
- DRO = Diesel Range Organics
- bgs = below ground surface
- iu = instrument units as isobutylene
-
- mg/kg = milligram per kilogram
- µg/kg = microgram per kilogram
- NS = No established Standard
- NR720 = Wisconsin Administrative Code Chapter NR 720
- RCL = residual contaminant level
- BOLD** = Exceeds Soil Standard

TABLE 1 (continued)
SOIL ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin

	UNITS	AST/Soil 1	AST/Soil 2	NR720	COMM 46	COMM 46
Depth	feet bgs	2	2	RCL	Table 1	Table 2
DRO	mg/kg	4,950	5,040	100	NS	NS
GRO	mg/kg	876	95	100	NS	NS
PVOCs						
Benzene	µg/kg	<698	<129	5.5	8,500	1,100
Toluene	µg/kg	<698	<129	1,500	38,000	NS
Ethylbenzene	µg/kg	2,160	<129	2,900	4,600	NS
Xylenes	µg/kg	4,190	<408	4,100	42,000	NS
Methyl-tert-butyl ether	µg/kg	<698	<129	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	12,300	386	NS	83,000	NS
1,3,5-Trimethylbenzene	µg/kg	3,680	<129	NS	11,000	NS
PAH's				WDNR Guidance for Groundwater Pathway	WDNR Guidance for Direct Contact Pathway	
					Non-Industrial	Industrial
Acenaphthene	µg/kg	<110	1,500	38,000	900000	60000000
Acenaphthylene	µg/kg	<200	<390	700	18000	360000
Anthracene	µg/kg	343	504	3,000,000	5000000	300000000
Benzo (a) Anthracene	µg/kg	2,030	4,830	17,000	88	3900
Benzo (a) Pyrene	µg/kg	<11	<23	48,000	8.8	390
Benzo (b) Fluoranthene	µg/kg	<11	<23	360,000	88	3900
Benzo (k) Fluoranthene	µg/kg	<11	<23	870,000	880	39000
Benzo (ghi) Perylene	µg/kg	<11	<23	6,800,000	1800	39000
Chrysene	µg/kg	<11	526	37,000	8800	390000
Dibenzo (a,h) Anthracene	µg/kg	<17	<34	38,000	88	390
Fluoranthene	µg/kg	4,950	6,970	500,000	600000	40000000
Fluorene	µg/kg	1,170	1,390	100,000	600000	40000000
Indeno (1,2,3-cd) Pyrene	µg/kg	<12	<23	680,000	88	3900
1-Methyl Naphthalene	µg/kg	9,640	12,900	23,000	1100000	70000000
2-Methyl Naphthalene	µg/kg	19,000	20,400	20,000	600000	40000000
Naphthalene	µg/kg	2,160	2,900	400	20,000	110000
Phenanthrene	µg/kg	2,030	3,540	1,800	18000	390000
Pyrene	µg/kg	3,680	5,470	8,700,000	500000	30000000

Key:

- PID = Photoionization Detection Result
- DRO = Diesel Range Organics
- bgs = below ground surface
- iui = instrument units as isobutylene
- = Not analyzed
- mg/kg = milligram per kilogram
- µg/kg = microgram per kilogram
- NS = No established Standard
- NR720 = Wisconsin Administrative Code Chapter NR 720
- RCL = residual contaminant level
- ¹ = Interim Guidance Numbers
- BOLD** = Exceeds Soil Standard

TABLE 1
SOIL ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin

	UNITS	1	2	3	4	5	6	7	8	NR720	COMM 46
Depth	feet bgs	2	2	2	2	2	2	2	2	RCL	Table 1
PID	iui	0	0	0	0	0	0	62	0	NS	NS
DRO	mg/kg	11	<6.5	<6.3	<6.4	<6.3	<6.1	275	8.9	100	NS

Key:

- PID = Photoionization Detection Result
- DRO = Diesel Range Organics
- bgs = below ground surface
- iui = instrument units as isobutylene
- = Not analyzed
- mg/kg = milligram per kilogram
- NS = No established Standard
- NR720 = Wisconsin Administrative Code Chapter NR 720
- RCL = residual contaminant level
- ¹ = Interim Guidance Numbers
- BOLD** = Exceeds Soil Standard

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-1								ES	PAL
	Date	10/19/1999	03/06/2000	06/26/2000	09/15/2000	03/27/2001	07/27/2001	01/07/2002	07/10/2002		
Nitrate	mg/l	<0.055	<0.055	NA	NA	NA	NA	NA	NA	---	---
Sulfate	mg/l	12	85	NA	NA	NA	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	3.0	NA	NA	NA	NA	NA	NA	---	---
Dissolved Lead	mg/l	<0.0012	NA	---	---						
VOCs											
Benzene	µg/l	8.7	6.3	9.3	10	7	5.7	7.4	9.69	5	0.5
Ethylbenzene	µg/l	0.49	<0.22	2.1	7.7	2.8	1.5	0.41	2.38	700	140
Toluene	µg/l	<0.20	<0.20	<0.39	<0.20	<1.0	0.31	<0.20	<0.50	1,000	200
Xylenes	µg/l	0.91	1.1	<1.1	1.2	2.2	0.95	0.27	0.594	10,000	1,000
Methyl-tert-butyl-Ether	µg/l	0.81	<0.16	0.34	<0.16	<0.80	<0.16	0.38	<0.50	60	12
Trimethylbenzenes	µg/l	3.4	1.6	4	2.99	6.4	0.82	<0.72	<2.0	480	96
n-Butylbenzene	µg/l	NA	5.25	---	---						
sec-Butylbenzene	µg/l	NA	1.14	---	---						
tert-Butylbenzene	µg/l	NA	<0.50	---	---						
Isopropylbenzene	µg/l	NA	3.2	---	---						
p-Isopropyltoluene	µg/l	NA	1.73	---	---						
Naphthalene	µg/l	NA	6.91	40	8						
n-Propylbenzene	µg/l	NA	3.83	---	---						
PAHs											
Acenaphthene	µg/l	<0.23	NA	NA	NA	1.4	<0.40	0.73	NA	---	---
Acenaphthylene	µg/l	<0.58	NA	NA	NA	<0.67	<0.65	<0.65	NA	---	---
Anthracene	µg/l	<0.019	NA	NA	NA	0.5	0.13	0.37	NA	3,000	600
Benzo (a) anthracene	µg/l	<0.018	NA	NA	NA	0.61	<0.033	0.08	NA	---	---
Benzo (b) flouranthene	µg/l	<0.046	NA	NA	NA	<0.058	<0.057	<0.057	NA	0.2	0.02
Benzo (k) flouranthene	µg/l	<0.031	NA	NA	NA	<0.052	<0.050	<0.51	NA	---	---
Benzo (a) pyrene	µg/l	<0.029	NA	NA	NA	<0.024	<0.023	<0.023	NA	0.2	0.02
Benzo (g,h,i) perylene	µg/l	<0.11	NA	NA	NA	<0.11	<0.11	<0.11	NA	---	---
Chrysene	µg/l	<0.014	NA	NA	NA	0.048	<0.029	<0.030	NA	0.2	0.02
Dibenzo (a,h) anthracene	µg/l	<0.17	NA	NA	NA	<0.052	<0.050	<0.051	NA	---	---
Flouranthene	µg/l	<0.11	NA	NA	NA	0.99	0.3	0.35	NA	400	80
Flourene	µg/l	1.7	NA	NA	NA	3.9	5.8	3.9	NA	400	80
Indeno (1,2,3-c,d) pyrene	µg/l	<0.088	NA	NA	NA	<0.041	<0.039	<0.040	NA	---	---
1-Methylnaphthalene	µg/l	28	NA	NA	NA	48	44	12	NA	---	---
2-Methylnaphthalene	µg/l	9.3	NA	NA	NA	7.1	<0.97	9.7	NA	---	---
Naphthalene	µg/l	6.9	5.1	NA	NA	<0.40	<0.38	<0.39	NA	40	8
Phenanthrene	µg/l	<0.015	NA	NA	NA	1.1	1.7	0.95	NA	---	---
Pyrene	µg/l	<0.050	NA	NA	NA	0.48	0.38	0.22	NA	250	50

Key:

ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard
PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit
NA = Not Analyzed
BOLD = Exceeds NR 140 Enforcement Standard

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-2								ES	PAL	
		Date	10/19/1999	03/06/2000	06/26/2000	09/15/2000	03/27/2001	07/27/2001	01/07/2002			07/10/2002
Nitrate	mg/l	2.7	2.8	NA	NA	NA	NA	NA	NA	NA	---	---
Sulfate	mg/l	230	220	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	0.13	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Lead	mg/l	<0.0012	NA	NA	---	---						
VOCs												
Benzene	µg/l	<0.13	0.22	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.50	5	0.5
Ethylbenzene	µg/l	0.4	<0.22	<0.38	<0.22	<0.22	<0.22	<0.22	<0.22	<0.50	700	140
Toluene	µg/l	<0.20	0.25	<0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	1,000	200
Xylenes	µg/l	3.3	0.45	<1.1	<0.23	<0.23	<0.23	<0.23	<0.23	<0.50	10,000	1,000
Methyl-tert-butyl-Ether	µg/l	<0.16	<0.16	<0.14	<0.16	<0.16	<0.16	<0.16	<0.16	<0.50	60	12
Trimethylbenzenes	µg/l	5.2	<0.29	<0.32	<0.51	<0.51	<0.51	<0.51	<0.51	<2.0	480	96
n-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
sec-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
tert-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
Isopropylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
p-Isopropyltoluene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
Naphthalene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	40	8
n-Propylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
PAHs												
Acenaphthene	µg/l	<0.24	NA	NA	NA	NA	NA	<0.40	<0.40	NA	---	---
Acenaphthylene	µg/l	<0.59	NA	NA	NA	NA	NA	<0.65	<0.65	NA	---	---
Anthracene	µg/l	<0.019	NA	NA	NA	NA	NA	<0.030	<0.030	NA	3,000	600
Benzo (a) anthracene	µg/l	<0.018	NA	NA	NA	NA	NA	<0.033	<0.033	NA	---	---
Benzo (b) flouranthene	µg/l	<0.046	NA	NA	NA	NA	NA	<0.057	<0.057	NA	0.2	0.02
Benzo (k) flouranthene	µg/l	<0.031	NA	NA	NA	NA	NA	<0.050	<0.050	NA	---	---
Benzo (a) pyrene	µg/l	<0.029	NA	NA	NA	NA	NA	<0.023	<0.023	NA	0.2	0.02
Benzo (g,h,i) perylene	µg/l	<0.11	NA	NA	NA	NA	NA	<0.11	<0.11	NA	---	---
Chrysene	µg/l	<0.014	NA	NA	NA	NA	NA	<0.029	<0.029	NA	0.2	0.02
Dibenzo (a,h) anthracene	µg/l	<0.17	NA	NA	NA	NA	NA	<0.050	<0.050	NA	---	---
Flouranthene	µg/l	<0.11	NA	NA	NA	NA	NA	<0.078	<0.078	NA	400	80
Flourene	µg/l	<0.031	NA	NA	NA	NA	NA	<0.079	<0.079	NA	400	80
Indeno (1,2,3-c,d) pyrene	µg/l	<0.090	NA	NA	NA	NA	NA	<0.039	<0.039	NA	---	---
1-Methylnaphthalene	µg/l	<0.43	NA	NA	NA	NA	NA	<0.52	<0.52	NA	---	---
2-Methylnaphthalene	µg/l	<0.65	NA	NA	NA	NA	NA	<0.97	<0.97	NA	---	---
Naphthalene	µg/l	<0.24	<1.1	NA	NA	NA	NA	<0.38	<0.38	NA	40	8
Phenanthrene	µg/l	<0.015	NA	NA	NA	NA	NA	<0.079	<0.079	NA	---	---
Pyrene	µg/l	<0.051	NA	NA	NA	NA	NA	<0.062	<0.062	NA	250	50
Key:												
ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard												
PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit												
NA = Not Analyzed												
BOLD = Exceeds NR 140 Enforcement Standard												

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-3								ES	PAL	
		Date	10/19/1999	03/06/2000	06/26/2000	09/15/2000	03/27/2001	09/19/2001	01/07/2002			07/10/2002
Nitrate	mg/l	<0.055	<0.11	NA	NA	NA	NA	NA	NA	NA	---	---
Sulfate	mg/l	12	23	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	0.66	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Lead	mg/l	<0.0012	NA	NA	---	---						
VOCs												
Benzene	µg/l	1.6	2.0	1.8	1.6	1.4	1.1	1.6	1.47	5	0.5	
Ethylbenzene	µg/l	1.0	1.9	<0.76	<0.22	<2.2	<0.44	<0.44	<0.50	700	140	
Toluene	µg/l	<0.040	<0.20	<0.78	<0.20	<2.0	<0.40	<0.40	<0.50	1,000	200	
Xylenes	µg/l	4.8	7.4	5	3.9	4.2	1.9	1.5	2.24	10,000	1,000	
Methyl-tert-butyl-Ether	µg/l	0.86	1.6	0.98	<0.16	<1.6	<0.32	<0.46 "M"	<0.50	60	12	
Trimethylbenzenes	µg/l	8.51	9.6	14.4	4.9	6.8	0.66	<1.02	2.99	480	96	
n-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	11.2	---	---	
sec-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	2.87	---	---	
tert-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	2.2	---	---	
isopropylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	14.4	---	---	
p-Isopropyltoluene	µg/l	NA	NA	NA	NA	NA	NA	NA	2	---	---	
Naphthalene	µg/l	NA	NA	NA	NA	NA	NA	NA	10.1	40	8	
n-Propylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	21.3	---	---	
PAHs												
Acenaphthene	µg/l	<0.22	NA	NA	NA	0.41	<0.40	<0.40	NA	---	---	
Acenaphthylene	µg/l	<0.55	NA	NA	NA	<0.65	<0.64	<0.64	NA	---	---	
Anthracene	µg/l	<0.018	NA	NA	NA	0.5	0.27	0.17	NA	3,000	600	
Benzo (a) anthracene	µg/l	<0.017	NA	NA	NA	0.15	<0.033	<0.033	NA	---	---	
Benzo (b) flouranthene	µg/l	<0.043	NA	NA	NA	<0.057	<0.056	<0.056	NA	0.2	0.02	
Benzo (k) flouranthene	µg/l	<0.029	NA	NA	NA	<0.051	<0.050	<0.050	NA	---	---	
Benzo (a) pyrene	µg/l	<0.027	NA	NA	NA	<0.023	<0.023	<0.023	NA	0.2	0.02	
Benzo (g,h,i) perylene	µg/l	<0.10	NA	NA	NA	<0.11	<0.11	<0.11	NA	---	---	
Chrysene	µg/l	<0.013	NA	NA	NA	<0.030	<0.029	<0.029	NA	0.2	0.02	
Dibenzo (a,h) anthracen	µg/l	<0.16	NA	NA	NA	<0.051	<0.050	<0.050	NA	---	---	
Flouranthene	µg/l	<0.10	NA	NA	NA	1.8	<0.077	0.46	NA	400	80	
Flourene	µg/l	4.0	NA	NA	NA	9.9	8.2	7.4	NA	400	80	
Indeno (1,2,3-c,d) pyren	µg/l	<0.083	NA	NA	NA	<0.040	<0.039	<0.039	NA	---	---	
1-Methylnaphthalene	µg/l	94	NA	NA	NA	120	130	100	NA	---	---	
2-Methylnaphthalene	µg/l	69	NA	NA	NA	80	110	86	NA	---	---	
Naphthalene	µg/l	60	85	120	87	62	81	55	NA	40	8	
Phenanthrene	µg/l	<0.014	NA	NA	NA	1.8	1.3	0.74	NA	---	---	
Pyrene	µg/l	<0.047	NA	NA	NA	0.67	<0.061	<0.061	NA	250	50	
Key:												
ES		= Wisconsin Administrative Code Chapter NR 140 Enforcement Standard										
PAL		= Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit										
NA		= Not Analyzed										
BOLD		= Exceeds NR 140 Enforcement Standard										

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-4								ES	PAL	
		Date	10/19/1999	03/06/2000	06/26/2000	09/15/2000	03/27/2001	07/27/2001	01/07/2002			07/10/2002
Nitrate	mg/l	<0.055	1.3	NA	NA	NA	NA	NA	NA	NA	---	---
Sulfate	mg/l	24	46	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	1.5	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Lead	mg/l	<0.0012	NA	NA	---	---						
VOCs												
Benzene	µg/l	<0.13	<0.13	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.50	5	0.5
Ethylbenzene	µg/l	<0.22	<0.22	<0.38	<0.22	<0.22	<0.22	<0.22	<0.22	<0.50	700	140
Toluene	µg/l	<0.20	<0.20	<0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	1,000	200
Xylenes	µg/l	<0.23	<0.23	<1.1	<0.23	<0.23	<0.23	<0.23	<0.23	<0.50	10,000	1,000
Methyl-tert-butyl-Ether	µg/l	1.0	<0.16	0.3	<0.93	<0.16	<0.16	0.5	0.736	60	60	12
Trimethylbenzenes	µg/l	<0.29	<0.29	<0.32	<0.51	<0.51	<0.51	<0.51	<0.51	<2.0	480	96
n-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
sec-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
tert-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
Isopropylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
p-Isopropyltoluene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
Naphthalene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	40	8
n-Propylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---
PAHs												
Acenaphthene	µg/l	<0.22	NA	NA	NA	NA	<0.40	<0.42	NA	---	---	---
Acenaphthylene	µg/l	<0.57	NA	NA	NA	NA	<0.65	<0.68	NA	---	---	---
Anthracene	µg/l	<0.018	NA	NA	NA	NA	<0.030	<0.032	NA	3,000	600	---
Benzo (a) anthracene	µg/l	<0.017	NA	NA	NA	NA	<0.033	<0.035	NA	---	---	---
Benzo (b) flouranthene	µg/l	<0.045	NA	NA	NA	NA	<0.057	<0.059	NA	0.2	0.02	---
Benzo (k) flouranthene	µg/l	<0.031	NA	NA	NA	NA	<0.050	<0.053	NA	---	---	---
Benzo (a) pyrene	µg/l	<0.029	NA	NA	NA	NA	<0.023	<0.024	NA	0.2	0.02	---
Benzo (g,h,i) perylene	µg/l	<0.10	NA	NA	NA	NA	<0.11	<0.12	NA	---	---	---
Chrysene	µg/l	<0.013	NA	NA	NA	NA	<0.029	<0.031	NA	0.2	0.02	---
Dibenzo (a,h) anthracen	µg/l	<0.16	NA	NA	NA	NA	<0.050	<0.053	NA	---	---	---
Flouranthene	µg/l	<0.10	NA	NA	NA	NA	<0.078	<0.082	NA	400	80	---
Flourene	µg/l	<0.031	NA	NA	NA	NA	<0.079	<0.083	NA	400	80	---
Indeno (1,2,3-c,d) pyren	µg/l	<0.087	NA	NA	NA	NA	<0.52	<0.041	NA	---	---	---
1-Methylnaphthalene	µg/l	<0.42	NA	NA	NA	NA	<0.52	<0.54	NA	---	---	---
2-Methylnaphthalene	µg/l	<0.62	NA	NA	NA	NA	<0.97	<1.0	NA	---	---	---
Naphthalene	µg/l	<0.22	1.7	NA	NA	NA	<0.38	<0.40	NA	40	8	---
Phenanthrene	µg/l	<0.014	NA	NA	NA	NA	<0.079	<0.083	NA	---	---	---
Pyrene	µg/l	<0.049	NA	NA	NA	NA	<0.062	<0.065	NA	250	50	---
Key:												
ES		= Wisconsin Administrative Code Chapter NR 140 Enforcement Standard										
PAL		= Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit										
NA		= Not Analyzed										
BOLD		= Exceeds NR 140 Enforcement Standard										

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-5								ES	PAL	
		Date	10/19/1999	03/06/2000	06/26/2000	09/15/2000	03/27/2001	07/27/2001	01/07/2002			07/10/2002
Nitrate	mg/l	<0.055	0.84	NA	NA	NA	NA	NA	NA	NA	---	---
Sulfate	mg/l	15	31	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	1.4	NA	NA	NA	NA	NA	NA	NA	---	---
Dissolved Lead	mg/l	<0.0012	NA	NA	---	---						
VOCs												
Benzene	µg/l	<0.13	<0.13	<0.31	<0.13	<0.13	4.5	<0.13	<0.50	5	0.5	
Ethylbenzene	µg/l	0.35	<0.22	<0.38	<0.22	<0.22	1.2	<0.22	<0.50	700	140	
Toluene	µg/l	0.82	<0.20	<0.39	<0.20	<0.20	1.3	<0.20	<0.50	1,000	200	
Xylenes	µg/l	<0.20	<0.57	<1.1	<0.23	<0.23	2.2	0.38	<0.50	10,000	1,000	
Methyl-tert-butyl-Ether	µg/l	0.34	<0.16	0.24	<0.16	<0.16	<0.80	0.36	<0.50	60	12	
Trimethylbenzenes	µg/l	0.34	<0.29	0.7	0.61	0.94	6.2	<0.73	<2.0	480	96	
n-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	4.26	---	---	
sec-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	0.602	---	---	
tert-Butylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	<0.50	---	---	
Isopropylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	0.975	---	---	
p-Isopropyltoluene	µg/l	NA	NA	NA	NA	NA	NA	NA	3.75	---	---	
Naphthalene	µg/l	NA	NA	NA	NA	NA	NA	NA	3.28	40	8	
n-Propylbenzene	µg/l	NA	NA	NA	NA	NA	NA	NA	0.974	---	---	
PAHs												
Acenaphthene	µg/l	<0.22	NA	NA	NA	<0.44	<0.40	<0.40	NA	---	---	
Acenaphthylene	µg/l	<0.56	NA	NA	NA	<0.70	<0.64	<0.64	NA	---	---	
Anthracene	µg/l	<0.018	NA	NA	NA	0.1	<0.030	<0.030	NA	3,000	600	
Benzo (a) anthracene	µg/l	<0.017	NA	NA	NA	<0.036	<0.033	<0.033	NA	---	---	
Benzo (b) flouranthene	µg/l	<0.044	NA	NA	NA	<0.061	<0.056	<0.056	NA	0.2	0.02	
Benzo (k) flouranthene	µg/l	<0.030	NA	NA	NA	<0.054	<0.050	<0.050	NA	---	---	
Benzo (a) pyrene	µg/l	<0.028	NA	NA	NA	<0.025	<0.023	<0.023	NA	0.2	0.02	
Benzo (g,h,i) perylene	µg/l	<0.10	NA	NA	NA	<0.12	<0.11	<0.11	NA	---	---	
Chrysene	µg/l	<0.013	NA	NA	NA	<0.032	<0.029	<0.029	NA	0.2	0.02	
Dibenzo (a,h) anthracen	µg/l	<0.16	NA	NA	NA	<0.054	<0.050	<0.050	NA	---	---	
Flouranthene	µg/l	<0.10	NA	NA	NA	0.27	<0.077	<0.077	NA	400	80	
Flourene	µg/l	0.98	NA	NA	NA	1.4	1.6	0.94	NA	400	80	
Indeno (1,2,3-c,d) pyren	µg/l	<0.085	NA	NA	NA	<0.043	<0.039	<0.039	NA	---	---	
1-Methylnaphthalene	µg/l	5.6	NA	NA	NA	8.1	11	3.4	NA	---	---	
2-Methylnaphthalene	µg/l	<0.61	NA	NA	NA	3.2	4.4	1.3	NA	---	---	
Naphthalene	µg/l	2.3	7.2	NA	NA	2.1	2.6	<0.38	NA	40	8	
Phenanthrene	µg/l	<0.014	NA	NA	NA	0.11	0.10	<0.078	NA	---	---	
Pyrene	µg/l	<0.048	NA	NA	NA	<0.066	<0.061	<0.061	NA	250	50	

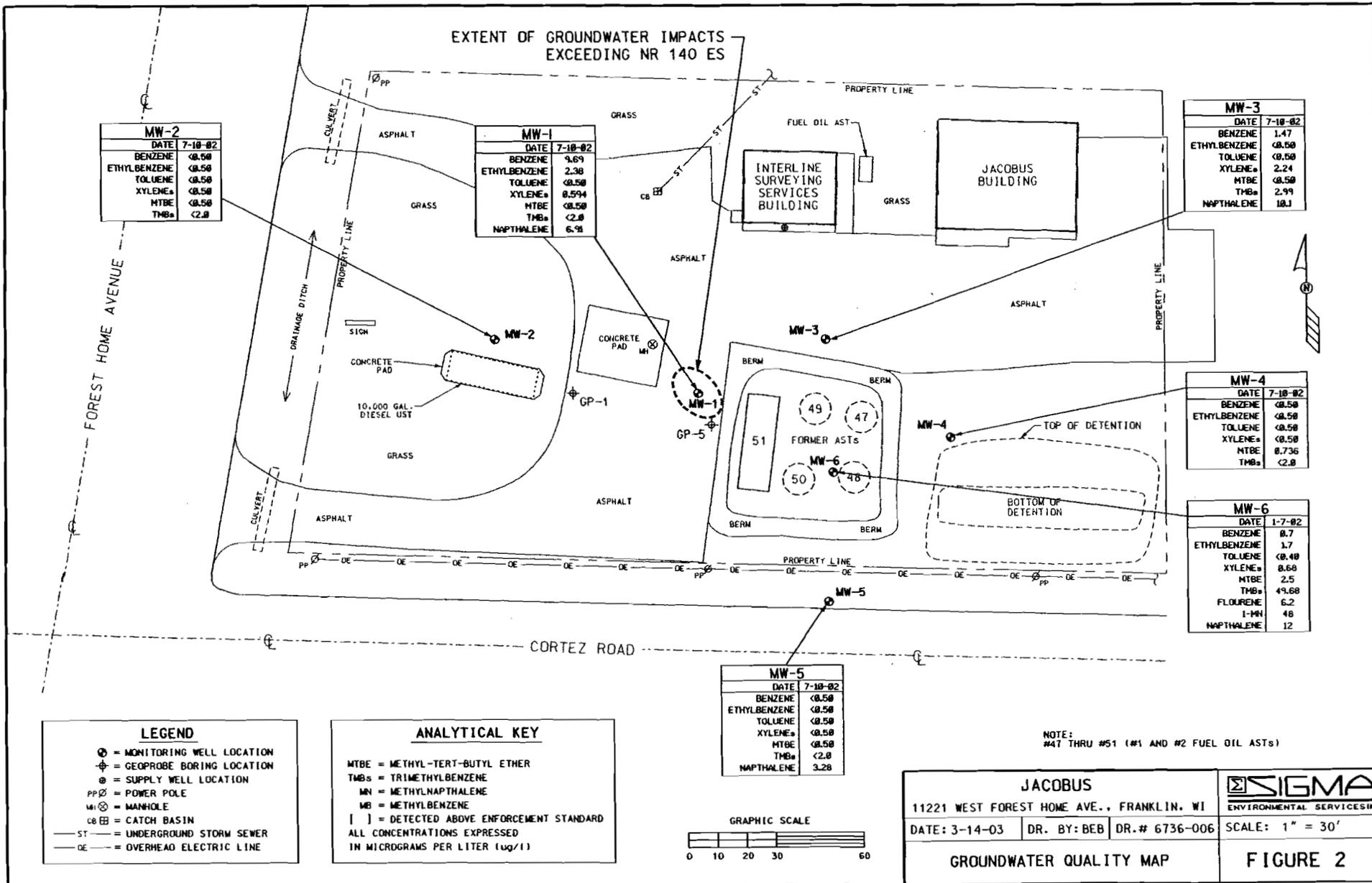
Key:

ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard
PAL = Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit
NA = Not Analyzed
BOLD = Exceeds NR 140 Enforcement Standard

TABLE 3
GROUNDWATER LABORATORY ANALYTICAL RESULTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin
Project Reference #4590

ANALYTE	UNITS	MW-6	Private Well		ES	PAL
	Date	01/07/2002	10/24/2001	01/14/2002		
Nitrate	mg/l	NA	NA	NA	---	---
Sulfate	mg/l	NA	NA	NA	---	---
Dissolved Manganese	mg/l	NA	NA	NA	---	---
Dissolved Lead	mg/l	NA	NA	NA	---	---
VOCs						
Benzene	µg/l	0.7	<0.25	<0.5	5	0.5
Ethylbenzene	µg/l	1.7	<0.12	<0.5	700	140
Toluene	µg/l	<0.40	<0.22	<0.5	1,000	200
Xylenes	µg/l	0.68	<0.74	<0.5	10,000	1,000
Methyl-tert-butyl-Ether	µg/l	2.5	NA	NA	60	12
Trimethylbenzenes	µg/l	49.68	<0.50	<0.51	480	96
n-Butylbenzene	µg/l	NA	<0.50	<0.50	---	---
sec-Butylbenzene	µg/l	NA	<0.50	<0.50	---	---
tert-Butylbenzene	µg/l	NA	<0.50	<0.50	---	---
Isopropylbenzene	µg/l	NA	<0.50	<0.50	---	---
p-Isopropyltoluene	µg/l	NA	<0.50	<0.50	---	---
Naphthalene	µg/l	NA	<0.50	<0.50	40	8
n-Propylbenzene	µg/l	NA	<0.50	<0.50	---	---
PAHs						
Acenaphthene	µg/l	0.71	<0.17	NA	---	---
Acenaphthylene	µg/l	<0.64	<1	<0.1	---	---
Anthracene	µg/l	0.099	<0.01	<0.1	3,000	600
Benzo (a) anthracene	µg/l	0.3	<0.074	<0.1	---	---
Benzo (b) flouranthene	µg/l	<0.056	<0.065	<0.1	0.2	0.02
Benzo (k) flouranthene	µg/l	<0.050	<0.52	<0.1	---	---
Benzo (a) pyrene	µg/l	<0.023	<0.1	<0.02	0.2	0.02
Benzo (g,h,i) perylene	µg/l	<0.11	<0.52	<0.1	---	---
Chrysene	µg/l	<0.029	<0.7	<0.1	0.2	0.02
Dibenzo (a,h) anthracen	µg/l	<0.050	<0.42	<0.1	---	---
Flouranthene	µg/l	0.57	<0.36	<0.1	400	80
Flourene	µg/l	6.2	<0.33	<0.1	400	80
Indeno (1,2,3-c,d) pyren	µg/l	<0.039	<0.59	<0.1	---	---
1-Methylnaphthalene	µg/l	48	<0.21	NA	---	---
2-Methylnaphthalene	µg/l	32	<0.2	NA	---	---
Naphthalene	µg/l	12	<0.22	<0.1	40	8
Phenanthrene	µg/l	1.60	0.054J	<0.1	---	---
Pyrene	µg/l	1.2	<0.059	<0.1	250	50
Key:						
	ES	= Wisconsin Administrative Code Chapter NR 140 Enforcement Standard				
	PAL	= Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit				
	NA	= Not Analyzed				
	BOLD	= Exceeds NR 140 Enforcement Standard				

EXTENT OF GROUNDWATER IMPACTS
EXCEEDING NR 140 ES



MW-2	
DATE	7-10-02
BENZENE	<0.50
ETHYLBENZENE	<0.50
TOLUENE	<0.50
XYLENE _s	<0.50
MTBE	<0.50
TMB _s	<2.0

MW-1	
DATE	7-10-02
BENZENE	9.69
ETHYLBENZENE	2.30
TOLUENE	<0.50
XYLENE _s	0.594
MTBE	<0.50
TMB _s	<2.0
NAPHTHALENE	6.91

MW-3	
DATE	7-10-02
BENZENE	1.47
ETHYLBENZENE	<0.50
TOLUENE	<0.50
XYLENE _s	2.24
MTBE	<0.50
TMB _s	2.99
NAPHTHALENE	10.1

MW-4	
DATE	7-10-02
BENZENE	<0.50
ETHYLBENZENE	<0.50
TOLUENE	<0.50
XYLENE _s	<0.50
MTBE	0.736
TMB _s	<2.0

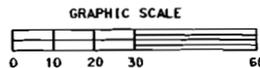
MW-6	
DATE	1-7-02
BENZENE	0.7
ETHYLBENZENE	1.7
TOLUENE	<0.40
XYLENE _s	0.60
MTBE	2.5
TMB _s	49.68
FLOURENE	6.2
1-MN	48
NAPHTHALENE	12

MW-5	
DATE	7-10-02
BENZENE	<0.50
ETHYLBENZENE	<0.50
TOLUENE	<0.50
XYLENE _s	<0.50
MTBE	<0.50
TMB _s	<2.0
NAPHTHALENE	3.28

LEGEND	
⊙	= MONITORING WELL LOCATION
⊕	= GEOPROBE BORING LOCATION
⊗	= SUPPLY WELL LOCATION
PP	= POWER POLE
M	= MANHOLE
CB	= CATCH BASIN
ST	= UNDERGROUND STORM SEWER
OE	= OVERHEAD ELECTRIC LINE

ANALYTICAL KEY	
MTBE	= METHYL-TERT-BUTYL ETHER
TMB _s	= TRIMETHYLBENZENE
1-MN	= METHYLNAPHTHALENE
MB	= METHYLBENZENE
[]	= DETECTED ABOVE ENFORCEMENT STANDARD
ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (ug/l)	

NOTE:
#47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

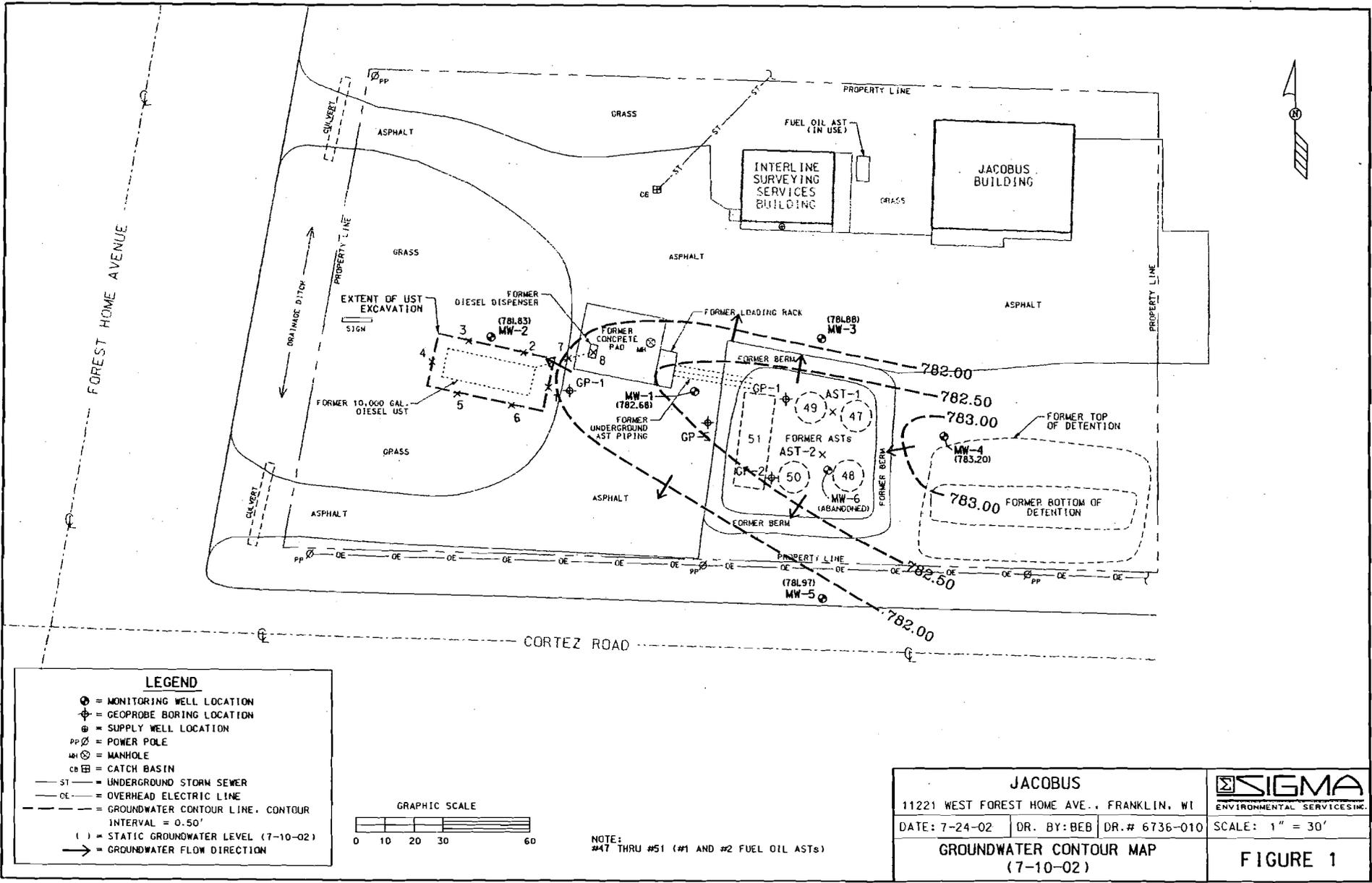


JACOBUS			SIGMA ENVIRONMENTAL SERVICES INC.
11221 WEST FOREST HOME AVE., FRANKLIN, WI			
DATE: 3-14-03	DR. BY: BEB	DR. # 6736-006	SCALE: 1" = 30'
GROUNDWATER QUALITY MAP			FIGURE 2

TABLE 2
STATIC WATER LEVEL MEASUREMENTS
JACOBUS BULK FACILITY
11221 West Forest Home Avenue
Franklin, Wisconsin

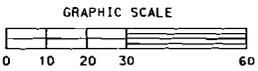
Well #	Elevation Top of Casing	Elevation Ground Surface	Groundwater Levels (feet btoc)	Groundwater Elevations	Date
MW-1	785.91	786.34	2.74	783.17	10/19/1999
			1.72	784.19	03/06/2000
			1.90	784.01	06/26/2000
			0.92	784.99	09/15/2000
			1.88	784.03	03/27/2001
			3.48	782.43	07/27/2001
			2.39	783.52	09/19/2001
			3.75	782.16	01/07/2002
			1.41	784.50	03/18/2002
			3.23	782.68	07/10/2002
MW-2	786.59	787.04	3.63	782.96	10/19/1999
			2.32	784.27	03/06/2000
			2.44	784.15	06/26/2000
			1.51	785.08	09/15/2000
			1.42	785.17	03/27/2001
			4.22	782.37	07/27/2001
			2.94	783.65	09/19/2001
			4.34	781.57	01/07/2002
			1.73	784.18	03/18/2002
			4.08	781.83	07/10/2002
MW-3	786.01	786.33	3.22	782.79	10/19/1999
			2.52	783.49	03/06/2000
			3.01	783.00	06/26/2000
			1.88	784.13	09/15/2000
			2.33	783.68	03/27/2001
			NM	NM	07/27/2001
			2.30	783.71	09/19/2001
			4.18	781.73	01/07/2002
			2.30	783.61	03/18/2002
			4.03	781.88	07/10/2002
MW-4	784.95	785.29	2.26	782.69	10/19/1999
			1.50	783.45	03/06/2000
			2.14	782.81	06/26/2000
			1.12	783.83	09/15/2000
			1.35	783.60	03/27/2001
			3.08	781.87	07/27/2001
			1.27	783.68	09/19/2001
			3.00	782.91	01/07/2002
			1.15	784.76	03/18/2002
			2.71	783.20	07/10/2002
MW-5	784.38	784.74	1.70	782.68	10/19/1999
			1.16	783.22	03/06/2000
			1.61	782.77	06/26/2000
			0.91	783.47	09/15/2000
			1.07	783.31	03/27/2001
			2.49	781.89	07/27/2001
			0.65	783.73	09/19/2001
			2.71	781.67	01/07/2002
			1.05	783.33	03/18/2002
			2.41	781.97	07/10/2002
MW-6	785.60		3.05	782.55	01/07/2002
			0.30	785.30	03/18/2002

Notes: Elevations based on survey performed October 19, 1999,
by Interline Survey Services, Inc.
btoc = below top of casing.
NM - Not measured.



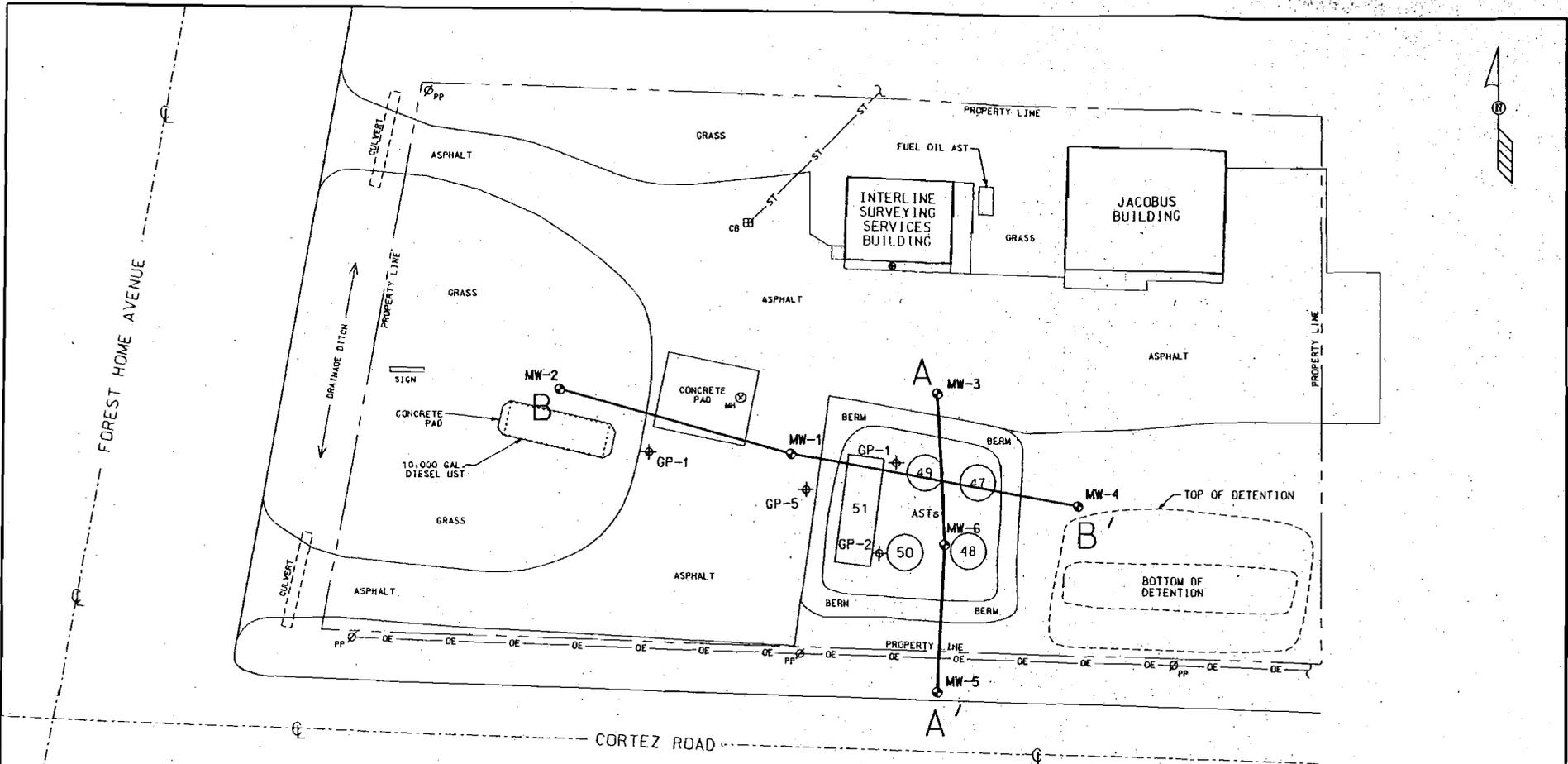
LEGEND

- ⊙ = MONITORING WELL LOCATION
- ⊕ = GEOPROBE BORING LOCATION
- ⊙ = SUPPLY WELL LOCATION
- PP ⊙ = POWER POLE
- ⊕ ⊙ = MANHOLE
- CB ⊕ = CATCH BASIN
- ST — = UNDERGROUND STORM SEWER
- OE — = OVERHEAD ELECTRIC LINE
- - - - = GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 0.50'
- () = STATIC GROUNDWATER LEVEL (7-10-02)
- = GROUNDWATER FLOW DIRECTION



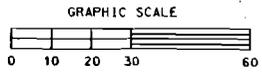
NOTE:
#47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

JACOBUS		SIGMA ENVIRONMENTAL SERVICES INC.
11221 WEST FOREST HOME AVE., FRANKLIN, WI		
DATE: 7-24-02	DR. BY: BEB	DR. # 6736-010
GROUNDWATER CONTOUR MAP (7-10-02)		FIGURE 1



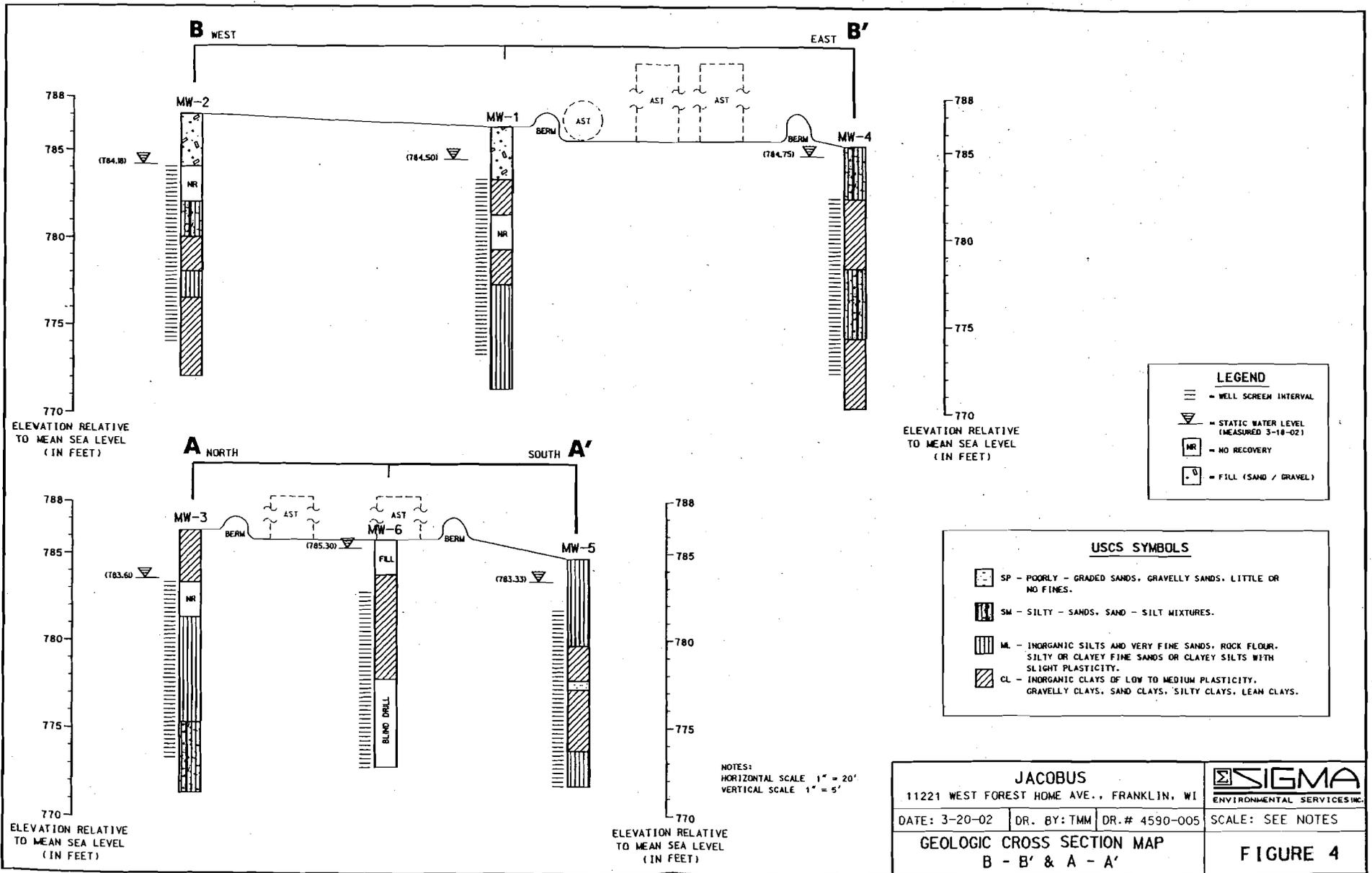
LEGEND

- ⊙ = MONITORING WELL LOCATION
- ⊕ = GEOPROBE BORING LOCATION
- ⊗ = SUPPLY WELL LOCATION
- PP ⊗ = POWER POLE
- MH ⊗ = MANHOLE
- CB ⊗ = CATCH BASIN
- = UNDERGROUND STORM SEWER
- OE — = OVERHEAD ELECTRIC LINE
- A — A' = CROSS SECTION LOCATION



NOTE:
#47 THRU #51 (#1 AND #2 FUEL OIL ASTs)

JACOBUS			ENVIRONMENTAL SERVICES INC.
11221 WEST FOREST HOME AVE., FRANKLIN, WI			
DATE: 11-1-99	DR. BY: TMM	DR.# 4590-004	SCALE: 1" = 30'
GEOLOGIC CROSS SECTION LOCATION MAP			FIGURE 3



STATEMENT BY RESPONSIBLE PARTY

Jacobus Energy, the responsible party for the property located at 11221 West Forest Home Avenue, Franklin, Wisconsin, states that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this statement) for case file reference 02-41-185295 is complete and accurate to the best of our knowledge.



Signature of Representative for Responsible Party



Date