

## Source Property Information

CLOSURE DATE: 03/04/2013

BRRTS #: 02-67-000801

FID #: 267054920

ACTIVITY NAME: JACOBUS OIL CO

DATCP #:

PROPERTY ADDRESS: N116W16261 Main St

PECFA#: 53022254111A

MUNICIPALITY: Germantown

PARCEL ID #: GTNC\_224027

### \*WTM COORDINATES:

### WTM COORDINATES REPRESENT:

X: 673374 Y: 307830

Approximate Center Of Contaminant Source

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

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

## CONTINUING OBLIGATIONS

### Contaminated Media for Residual Contamination:

Groundwater Contamination > ES (236)

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

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

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

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see "Impacted Off-Source Property Information,  
Form 4400-246")*

### Site Specific Obligations:

Soil: maintain industrial zoning (220)

Cover or Barrier (222)

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

Direct Contact

Soil to GW Pathway

Structural Impediment (224)

Vapor Mitigation (226)

Site Specific Condition (228)

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 #:  (No Dashes) PARCEL ID #:   
ACTIVITY NAME:  WTM COORDINATES: X:  Y:

**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 #: 2**                      **Title: Site Plan Map**
- 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 #: 2**                      **Title: Final Soil Quality / Remedial Soil Excavation Map**

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ACTIVITY NAME: Jacobus Oil Co.

**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 #: B8 Title: Cross Section A-A'

Figure #: B9 Title: Cross Section B-B'

- 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 #: 5 / 6 Title: Shallow Groundwater Quality Map / Deeper Groundwater Quality 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 #: 1 / 3 Title: Shallow GW Contour Map (4-30-12) / Shallow GW Contour Map (7-23-12)

Figure #: 2 / 4 Title: PZ Potentiometric Surface Map (4-30-12) / PZ Potentiometric Surface Map (7-23-12)

**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 #: combined Title: Final Post-Excavation Soil Quality Data Tables (composite of three tables)

- 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 #: 2 Title: Groundwater Quality Data

- 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 #: 1 Title: Static Groundwater 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).

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ACTIVITY NAME: Jacobus Oil Co.

**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: 3**

**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:**







March 4, 2013

Michael Helgeson  
Jacobus Energy, Inc.  
11815 W. Bradley Rd.  
Milwaukee, WI 53224

Dear Mr. Helgeson:

Subject: Final Case Closures with Continuing Obligations, Jacobus Oil Co, N116 W16261 Main Street, Germantown, File reference BRRTS #0267000801, FID #267054920.

The Department of Natural Resources (WDNR) considers the above designated Jacobus Oil Co. case closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter anyone who purchases this property from you.

This final closure decision is based on the correspondence and data you provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Southeast Region WDNR Closure Committee reviewed your request for closure on December 4, 2012. This Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter pending monitoring well abandonment was issued by the DNR on December 6, 2012, and documentation that the wells were abandoned was received by the WDNR on January 24, 2013.

This property was a petroleum storage bulk plant surrounded by farm fields, condominiums, a road and rail line, Main Street and some businesses. After extensive investigations consisting of soil borings, monitoring wells, temporary wells and geoprobe borings, Contaminated soil was excavated and properly disposed of off-site in stages, in 2003, 2005, and 2011 for a total of about 13,16 tons soil. Confirmation soil samples show that residual contamination was left behind in several locations, but not in the direct contact, upper four foot soil zone. Groundwater monitoring occurred from 1990 to 2012 to determine that the groundwater contamination is stable or naturally degrading over time. This property is currently vacant, as all the buildings were taken down for the various soil remediation projects.

#### Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

- Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
- Residual soil contamination exists that must be properly managed should it be excavated or removed.

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- If changes to the current property use or land use are planned, an assessment must be made of whether the closure is still protective.
- Remaining soil contamination could result in vapor intrusion if future construction activities occur. If new building construction is planned, vapor control technologies will be required for occupied buildings, unless the property owner assesses the potential for vapor intrusion, and the WDNR agrees that conditions are protective of the new use. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the WDNR to determine if additional response actions are warranted.
- If construction occurs over the highest levels of remaining contaminated soil, it is probably appropriate that additional contaminated soil excavation and disposal occur, even if it's slab-on-grade construction, depending on the then current evaluation of the residual.

#### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. WDNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf> or at the web address listed below for the GIS Registry.

All site information is also on file at the Southeast Regional DNR office at 1155 Pilgrim Road, Plymouth, WI 53073. This letter and information that was submitted with your closure request application will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

#### Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere.

#### Residual Groundwater Contamination (ch. NR 140, 812, Wis. Adm. Code)

Groundwater contamination greater than enforcement standards is present both on this contaminated property and off this property, as shown on the attached map. You notified property owners of the presence of groundwater contamination. If you intend to construct a new well, or reconstruct an existing well, you'll need prior WDNR approval.

#### Residual Soil Contamination (ch. NR 718, chs. 500 to 536, Wis. Adm. Code or ch. 289, Wis. Stats.)

Soil contamination remains in a perimeter outside the central portion of the site as indicated on the attached map. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to people.

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Petroleum volatile organic compounds, including benzene remain in soil and groundwater on and off site as shown on the attached maps at levels that may be of concern for vapor intrusion in the future, depending on construction and occupancy of a building . No buildings currently remain on the property. Therefore, before a building is constructed, the property owner must notify the DNR. Vapor control technologies are required for construction of occupied buildings unless the property owner assesses the vapor pathway and WDNR concurs that conditions at the property are protective of the new use.

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

#### General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

#### PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (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 Department of Safety and Professional Services PECFA Program to determine the method for salvaging the equipment.

#### Final Words

The following WDNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, is included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>.

Please send written notifications in accordance with the above requirements to WDNR Plymouth Service Center, 1155 Pilgrim Rd., Plymouth, WI 53073, to the attention of John Feeney.



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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 to the environment.

The WDNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact John Feeney at 920-892-8756 extension 3023, or [johnm.feeney@wisconsin.gov](mailto:johnm.feeney@wisconsin.gov).

Sincerely,



Frances Koonce, Sub-Team Supervisor  
Southeast Region Remediation & Redevelopment Program  
Wisconsin Department of Natural Resources

Attachments:

- remaining groundwater contamination map
- remaining soil contamination map

cc: Sigma Environmental  
DSPS  
SER File

**LEGEND**

+++++	= RAILROAD TRACKS	⊕	= GEOPROBE / HANDAUGER
---	= PROPERTY LINE	JMW	= JACOBUS MONITORING WELL
---	= FENCE	JPZ	= JACOBUS SUMP
W	= WATER LINE	●	= SUMP
SAN	= SANITARY SEWER	JCMW	= CMC MONITORING WELL
PDP	= PERFORATED DRAIN PIPE	●	= INLET VENT WELL
SDP	= SOLID DRAIN PIPE	X	= SOIL VAPOR POINT WELL
G	= GAS LINE	○	= MANHOLE
---	= FORMER STRUCTURE		

**ANALYTICAL KEY**

B = BENZENE  
 E = ETHYLBENZENE  
 MTBE = METHYL-TERT-BUTYL-ETHER  
 T = TOLUENE  
 TMB = TRIMETHYLBENZENES, TOTAL  
 X = XYLENES, TOTAL  
 N = NAPHTHALENE  
 FP = FREE PRODUCT (PETROLEUM)  
 NA = NOT ANALYZED  
 ( ) = CONCENTRATION EXCEEDS NR 140 ENFORCEMENT STANDARD  
 ( ) = CONCENTRATION EXCEEDS NR 140 PREVENTIVE ACTION LIMIT  
 ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (µg/L)

**JCMW-10**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**NORTH SUMP**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	NA	NA	NA	<0.49	NA
E	NA	NA	NA	<0.98	NA
MTBE	NA	NA	NA	<0.47	NA
T	NA	NA	NA	<0.89	NA
TMB	NA	NA	NA	<2.7	NA
X	NA	NA	NA	<3.2	NA
N	NA	NA	NA	<2	NA

**SOUTH SUMP**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	(2.22)	(3.9)	(3)	[45]	[24.1]
E	2.56	<0.65	<0.55	2.49	1.24
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	<0.53	<0.86	<0.72	1.61	0.60
TMB	<1.13	<1.49	<1.20	<2.7	<1.54
X	<1.58	<2.15	<1.62	<3.2	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-3**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	[1,510]	[101]	[2,490]	[160]
E	<0.76	50	12.5	94	<39
MTBE	<0.42	<4.9	<2.5	<4.7	<40
T	<0.53	<8.6	<7.2	12	<26.5
TMB	<1.13	13.3	14	19.2	54
X	<1.58	47	36	22.3	105
N	<1.4	<12	<24	<20	<105

**JMW-1**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	(1.31)	[540]	[86]	[39]
E	<0.76	1.41	(230)	46	35
MTBE	<0.42	<0.49	<5	<0.47	<0.8
T	<0.53	<0.86	118	17.9	7.2
TMB	<1.13	2.87	[532]	88.6	75
X	<1.58	3.68	[934]	125	126.8
N	<1.4	<1.2	(253)	(43)	(20.3)

**JMW-2**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	[45]	[227]	[5.0]
E	<0.76	<0.65	2.1	15.1	<0.78
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	<0.53	<0.86	1.49	7.0	<0.53
TMB	<1.13	<1.49	1.49	2.4	<1.54
X	<1.58	<2.15	1.49	10.09	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-7**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	[840]	[210]	[11.2]
E	<0.76	<0.65	<27.5	<0.98	<0.78
MTBE	<0.42	<0.49	<12.5	<0.47	<0.8
T	<0.53	<0.86	<36	1.06	<0.53
TMB	<1.13	<1.49	<60	<2.7	<1.54
X	<1.58	<2.15	<81	<3.2	<1.9
N	<1.4	<1.2	<120	<2	<2.1

**JMW-10**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**BASEMENT SUMP**

DATE	8/15/07
B	<0.25
E	<0.22
MTBE	<0.23
T	<0.11
TMB	<0.44
X	<0.39
N	<0.43

**JMW-5**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	NA	NA	NA	<0.49	NA
E	NA	NA	NA	<0.98	NA
MTBE	NA	NA	NA	<0.47	NA
T	NA	NA	NA	1.39	NA
TMB	NA	NA	NA	<2.7	NA
X	NA	NA	NA	<3.2	NA
N	NA	NA	NA	<2	NA

**JMW-8**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

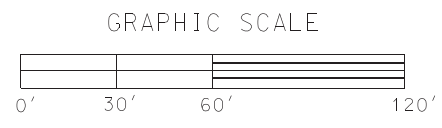
**JMW-6**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**JMW-9**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**ESTIMATED EXTENT OF PVOC IMPACTS ABOVE NR 140 ES IN SHALLOW GROUNDWATER**



**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.  
 2. PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.



**SHALLOW GROUNDWATER QUALITY MAP**  
 FORMER JACOBUS BULK PLANT  
 N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN

**FIGURE 5**

Project: 12442  
 Directory: CAD & GRAPHICS  
 Filename: 12442 Site Maps.ai  
 Created By: AJR  
 Date: 8/27/12

**LEGEND**

+++++	= RAILROAD TRACKS	⊕	= GEOPROBE / HANDAUGER
---	= PROPERTY LINE	JMW	= JACOBUS MONITORING WELL
---	= FENCE	JPZ	= JACOBUS SUMP
W	= WATER LINE	●	= SUMP
SAN	= SANITARY SEWER	JCMW	= CMC MONITORING WELL
PDP	= PERFORATED DRAIN PIPE	●	= INLET VENT WELL
SDP	= SOLID DRAIN PIPE	X	= SOIL VAPOR POINT WELL
G	= GAS LINE	○	= MANHOLE
---	= FORMER STRUCTURE		

**ANALYTICAL KEY**

B = BENZENE  
 E = ETHYLBENZENE  
 MTBE = METHYL-TERT-BUTYL-ETHER  
 T = TOLUENE  
 TMB = TRIMETHYLBENZENES, TOTAL  
 X = XYLENES, TOTAL  
 N = NAPHTHALENE  
 FP = FREE PRODUCT (PETROLEUM)  
 NA = NOT ANALYZED  
 [ ] = CONCENTRATION EXCEEDS NR 140 ENFORCEMENT STANDARD  
 ( ) = CONCENTRATION EXCEEDS NR 140 PREVENTIVE ACTION LIMIT  
 ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (µg/L)

**JMW-3D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[204]	[4,300]	[1,840]	[145]	[370]
E	1.57	13.7	<27.5	<19.6	<7.8
MTBE	0.43	<9.8	<12.5	<9.4	<8
T	<0.53	<17.2	<36	<17.8	<5.3
TMB	2.32	<29.8	<60	<54	<15.4
X	<1.58	<43	<81	<64	<19
N	<1.4	<24	<120	<40	<21

**JCMW-10D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**JMW-1D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[4,600]	[2,910]	[980]	[1.59]	[127]
E	<46	50	<27.5	<0.98	<0.78
MTBE	<42	<24.5	<12.5	<0.47	<0.8
T	<53	<43	<36	<0.89	<0.53
TMB	<1.13	<64.5	<60	<2.7	<1.54
X	<1.58	93	<81	<3.2	<1.9
N	<140	<60	<120	<2	<2.1

**JMW-10D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	<0.38	<0.49	NA
E	<0.76	<0.65	<0.55	<0.98	NA
MTBE	<0.42	<0.49	<0.25	<0.47	NA
T	<0.53	<0.86	<0.72	<0.89	NA
TMB	<1.13	1.53 "J"	<1.20	<2.7	NA
X	<1.58	<2.15	<1.62	<3.2	NA
N	<1.4	<1.2	<2.4	<2	NA

**JMW-2D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[33]	[3.5]	[0.80]	<0.49	<0.5
E	11.4	0.68	<0.55	<0.98	<0.78
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	2.1	<0.86	<0.72	<0.89	<0.53
TMB	<1.13	<1.49	<1.20	<2.7	<1.54
X	10.5	<2.15	<1.62	<3.2	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-6D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11	4/30/12	7/23/12
B	[143]	[3,300]	[3,600]	[288]	[9,800]	[7,100]	[9,500]
E	<7.6	<13	<27.5	<0.98	<39	<23	<23
MTBE	(14.6)	(16.4)	(24)	<0.47	<40	<28.5	<28.5
T	6.1	<17.2	<36	<0.89	<26.5	<24	<24
TMB	<11.3	<29.8	<60	<2.7	<77	50	<78.5
X	<15.8	<43	<81	<3.2	<95	<72.5	<72.5
N	<14	<24	<120	<2	<105	[127]	<115

**JMW-8D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	[23.7]	[12.1]
E	<0.76	NA	NA	<0.98	<0.78
MTBE	<0.42	NA	NA	2.64	1
T	<0.53	NA	NA	<0.89	<0.53
TMB	<1.13	NA	NA	<2.7	<1.54
X	<1.58	NA	NA	<3.2	<1.9
N	<1.4	NA	NA	<2	<2.1

**JMW-11D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	<0.38	<0.49	NA
E	<0.76	<0.65	<0.55	<0.98	NA
MTBE	<0.42	<0.49	<0.25	<0.47	NA
T	<0.53	<0.86	<0.72	<0.89	NA
TMB	<1.13	<1.49	<1.20	<2.7	NA
X	<1.58	<2.15	<1.62	<3.2	NA
N	<1.4	<1.2	<2.4	<2	NA

**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.  
 2. PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.

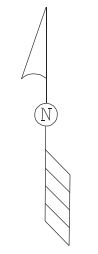
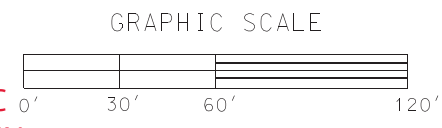


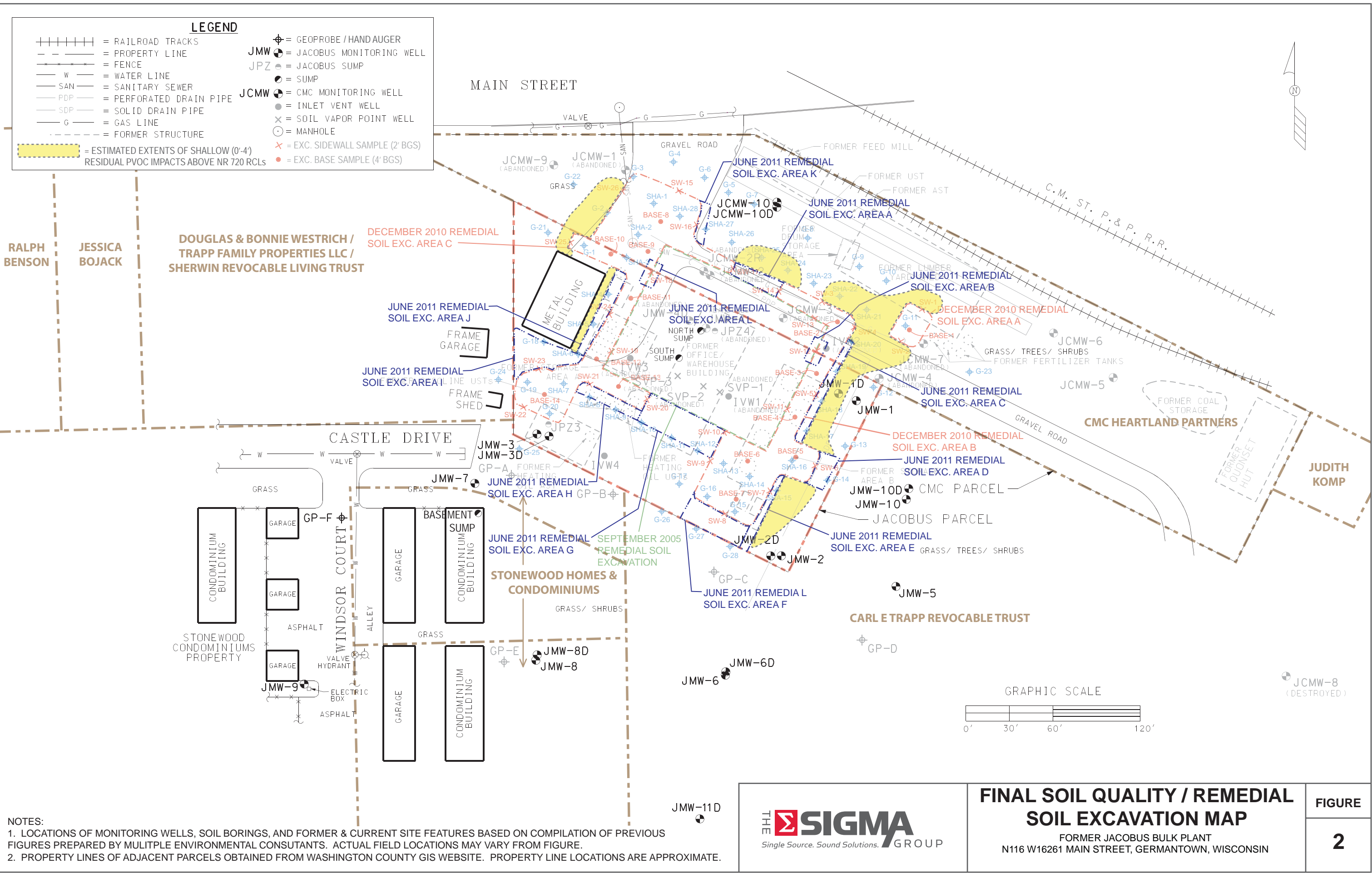
**DEEPER GROUNDWATER QUALITY MAP**  
 FORMER JACOBUS BULK PLANT  
 N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN

**FIGURE 6**

Project: 12442 | Directory: CAD & GRAPHICS | Filename: 12442 Site Maps.ai | Created By: AJR | Date: 8/27/12

**ESTIMATED EXTENT OF PVOC IMPACTS ABOVE NR 140 ESs IN DEEPER GROUNDWATER**





**LEGEND**

+++++ = RAILROAD TRACKS	⊕ = GEOPROBE / HANDAUGER
- - - = PROPERTY LINE	JMW ⊕ = JACOBUS MONITORING WELL
- - - = FENCE	JPZ ⊕ = JACOBUS SUMP
- W - = WATER LINE	⊙ = SUMP
- SAN - = SANITARY SEWER	JCMW ⊕ = CMC MONITORING WELL
- PDP - = PERFORATED DRAIN PIPE	⊙ = INLET VENT WELL
- SDP - = SOLID DRAIN PIPE	⊗ = SOIL VAPOR POINT WELL
- G - = GAS LINE	⊙ = MANHOLE
- - - = FORMER STRUCTURE	⊗ = EXC. SIDEWALL SAMPLE (2' BGS)
--- = ESTIMATED EXTENTS OF SHALLOW (0'-4') RESIDUAL PVOC IMPACTS ABOVE NR 720 RCLs	● = EXC. BASE SAMPLE (4' BGS)

Date: 10/12/12  
 Created By: AJR  
 Filename: 12442 Site Maps.ai  
 Directory: CAD & GRAPHICS  
 Project: 12442

**NOTES:**

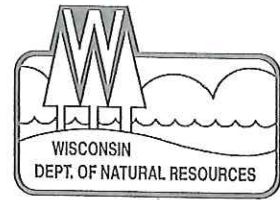
- LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.
- PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.

<p>Single Source. Sound Solutions. GROUP</p>	<p><b>FINAL SOIL QUALITY / REMEDIAL SOIL EXCAVATION MAP</b></p> <p>FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN</p>	<p><b>FIGURE</b></p> <p><b>2</b></p>
	<p>GRAPHIC SCALE</p> <p>0' 30' 60' 120'</p>	



State of Wisconsin  
DEPARTMENT OF NATURAL  
RESOURCES  
Plymouth Service Center  
1155 N Pilgrim Road  
Plymouth WI 53073

Scott Walker, Governor  
Cathy Stepp, Secretary  
Telephone 608-266-2621  
Toll Free 1-888-936-7463



December 6, 2012

Michael Helgeson  
Jacobus Energy, Inc.  
11815 W. Bradley Rd.  
Milwaukee, WI 53224

Dear Mr. Helgeson:

SUBJECT: Conditional Case Closure pending well abandonment, Jacobus Oil Co, N116 W16261 Main Street, Germantown, File reference BRRTS #0267000801, FID #267054920.

The Department of Natural Resources reviewed your case closure request recently and has determined that well abandonment is appropriate at this time. Please have your consultant abandon the monitoring wells at the site and send the well abandonment documentation to me. When I receive the documents the department will issue a final closure letter for this site. Note that if the wells are out of use for a long period of time without being abandoned, the department will re-open this case.

If you have any questions about this letter, please call me at 920-892-8756, extension 3023.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Feeney'.

John Feeney  
Wisconsin Department of natural Resources

Cc: Sigma  
SER File

228415

VOL 205 PAGE 173  
A. D., 1955

This Indenture, Made this 6th day of June

between Lavern A. Schaetzel and Lillian L. Schaetzel, his wife

parties of the first part, and  
Schaetzel Oil, Inc., a corporation duly organized and  
existing under and by virtue of the laws of the State of Wisconsin, located at German town Wisconsin,  
party of the second part,

Witnesseth, That the said parties of the first part, for and in consideration of the sum of  
One and no/100 (\$1.00) Dollar, and other good and valuable consideration,  
to them in hand paid by the said party of the second part, the receipt whereof is hereby confessed  
and acknowledged, have given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and  
by these presents do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party  
of the second part, its successors and assigns forever, the following described real estate, situated in the  
County of Washington and State of Wisconsin, to-wit:

All that part of the Northwest One-quarter of the  
Southeast One-quarter (NW 1/4 SE 1/4) of Section Twenty-  
two (22), Township No. Nine (9) North of Range No.  
Twenty (20) East, located in the Village of German-  
town, Washington County, Wisconsin, described as  
follows:

Commencing at the center of Section Twenty-two (22),  
Township No. Nine (9) North of Range No. Twenty (20)  
East; thence east on the center line of Main Street  
Two Hundred Seventeen (217 ft.) feet; thence south  
Sixty-two degrees 6 minutes (62° 6') east One Hundred  
Seventy-Seven and Five Hundredths (177.05 ft.) feet  
to the place of beginning of this description; thence  
south One Hundred Sixty-Nine and Seventy-five Hundredths  
(169.75 ft.) feet; thence south Sixty-two degrees 6  
minutes (62° 6') east Two Hundred Thirteen and Fifty-  
Two Hundredths (213.52 ft.) feet; thence north Twenty-  
seven degrees fifty-four minutes (27° 54') east One  
Hundred Fifty (150 ft.) feet; thence north sixty-two  
degrees 6 minutes (62° 6') west Two Hundred Ninety-  
Two and Ninety-five Hundredths (292.95 ft.) feet to the  
place of beginning.



Together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise  
appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said parties 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 party of the second part, and to its successors and assigns FOREVER.

And the said Lavern A. Schaetzel and Lillian L. Schaetzel, his wife,

for themselves, their heirs, executors and administrators, do covenant, grant, bargain, and agree to and with the said party of the second part, its successors and assigns, that at the time of the revealing and delivery of these presents they are well seized 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 incumbrances whatever,

and that the above bargained premises in the quiet and peaceable possession of the said party of the second part, its successors and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they will forever WARRANT AND DEFEND.

In Witness Whereof, the said part i.e.s. of the first part has hereunto set their hand and seals this 6th day of June A.D., 1955

SIGNED AND SEALED IN PRESENCE OF

Witness signatures: Robert D. Marth, State of Wisconsin, WASHINGTON County. Lavern A. Schaetzel (SEAL), Lillian L. Schaetzel (SEAL).

Personally came before me, this 6th day of June A.D., 1955 the above named Lavern A. Schaetzel and Lillian L. Schaetzel

to me known to be the persons who executed the foregoing instrument and acknowledged the same.

Notary Public signature: Wm. J. Marth, Washington County, Wis. My commission expires 3/10 A.D., 1952.

228415

No. \_\_\_\_\_

TO \_\_\_\_\_

Premises \_\_\_\_\_

Warranty Deed

This instrument should be immediately placed upon record to avoid future trouble and litigation.

REGISTER'S OFFICE,

State of Wisconsin,

WASHINGTON County,

Received for Record this 4 day of

June A.D., 1955

at 900 clock AM, and recorded in

Vol. \_\_\_\_\_ of Deeds, on page \_\_\_\_\_

Edwin Beck

Register of Deeds.

Deputy.

Marth & Marth

ATTORNEYS AT LAW

West Bend, Wisconsin



# Washington County Tax Inquiry

## HISTORY FILE INQUIRY

Parcel No: Parcel# 2012 GTNV 224027

OWNER: JACOBUS QUICKFLASH  
PHY ADDRESS: N116 W16261 MAIN ST  
PARTIAL ASSESSED:

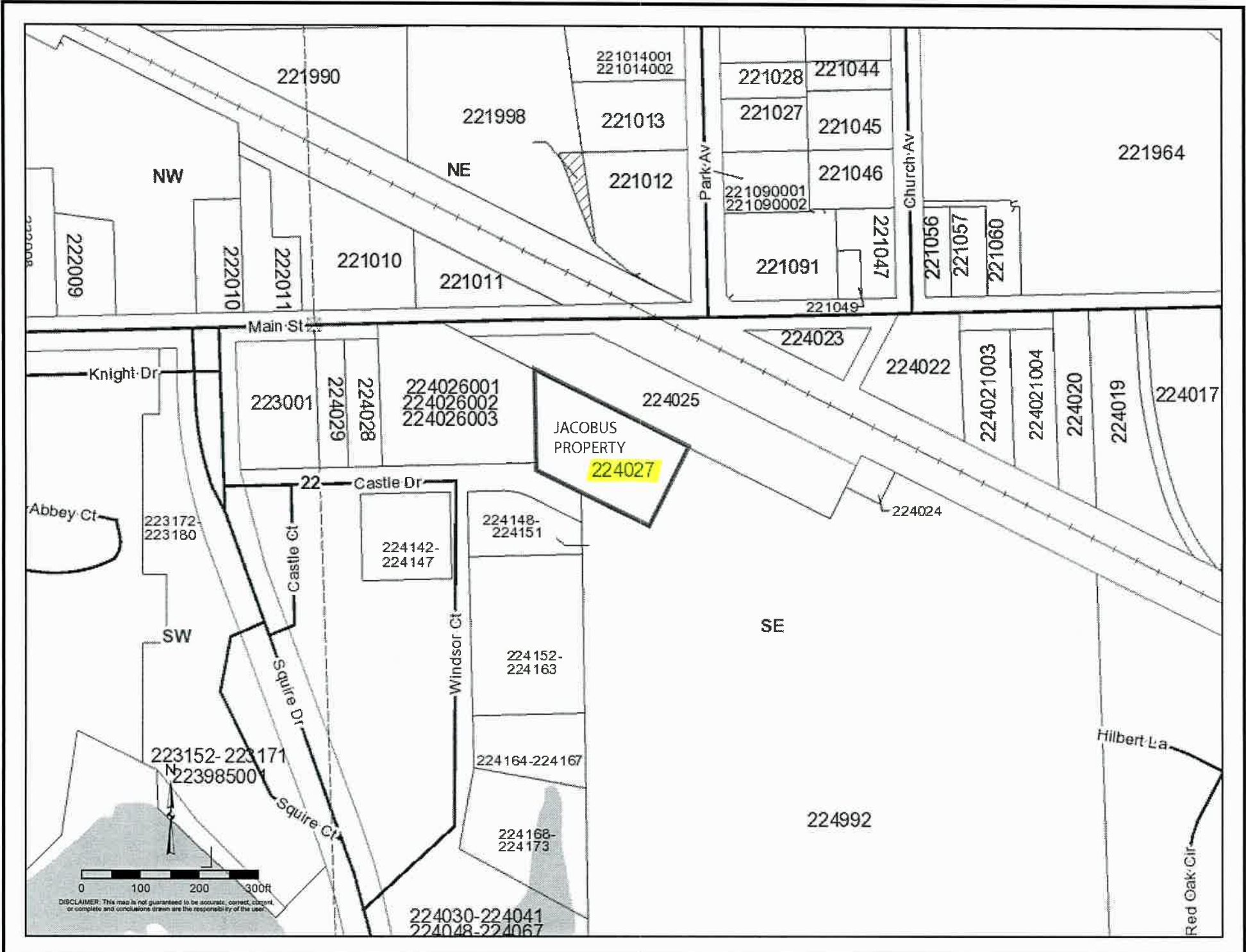
Mail to:  
JACOBUS QUICKFLASH  
PO BOX 13009  
WAUWATOSA WI 53226

Date (MMDDYYYY)	Vol	Page	Csm#	Par	Acres	Name
8/04/1955	205	173				QUICKFLASH JACOBUS
0						
0						
0						
0						
0						
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0						
0						

Enter

Back





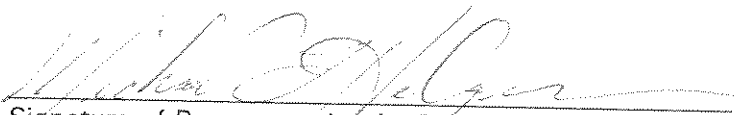
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

224030-224041  
224048-224067

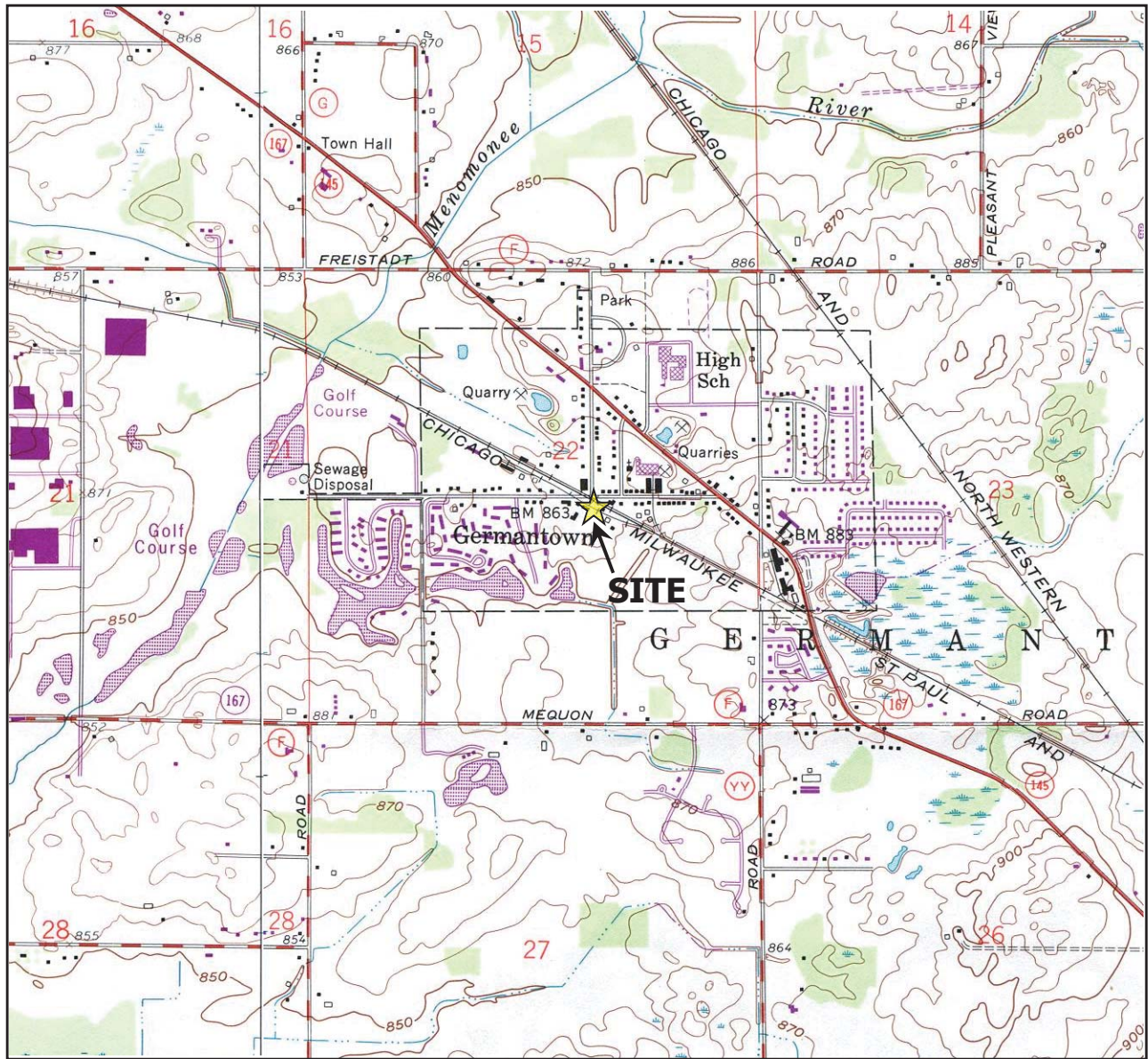
**GIS Registry Packet**  
**Jacobus Oil Co - N116 W162616 Main Street, Germantown, WI**  
**BRRTS #02-67-000801**

**STATEMENT BY RESPONSIBLE PARTY**

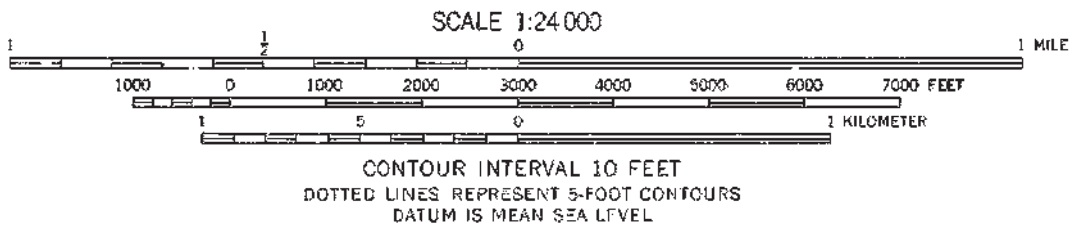
Jacobus Energy, Inc., the responsible party for the property located at N116 W16261 Main Street, Germantown, Wisconsin states that the legal description provided to the Wisconsin Department of Natural Resources in this case closure request and Geographic Information System (GIS) Registry packet for WDNR BRRTS #02-67-000801 is complete and accurate to the best of our knowledge.

  
Signature of Representative for Responsible Party

10-31-12  
Date



NW ¼ of SE ¼ of Sec. 22, T9N, R20E. Adapted from U.S.G.S. 7.5 minute series, Menomonee Falls, Wisconsin, quadrangle dated 1958 (photorevised 1971 and 1976) and Sussex, Wisconsin, quadrangle dated 1959 (revised 1994).

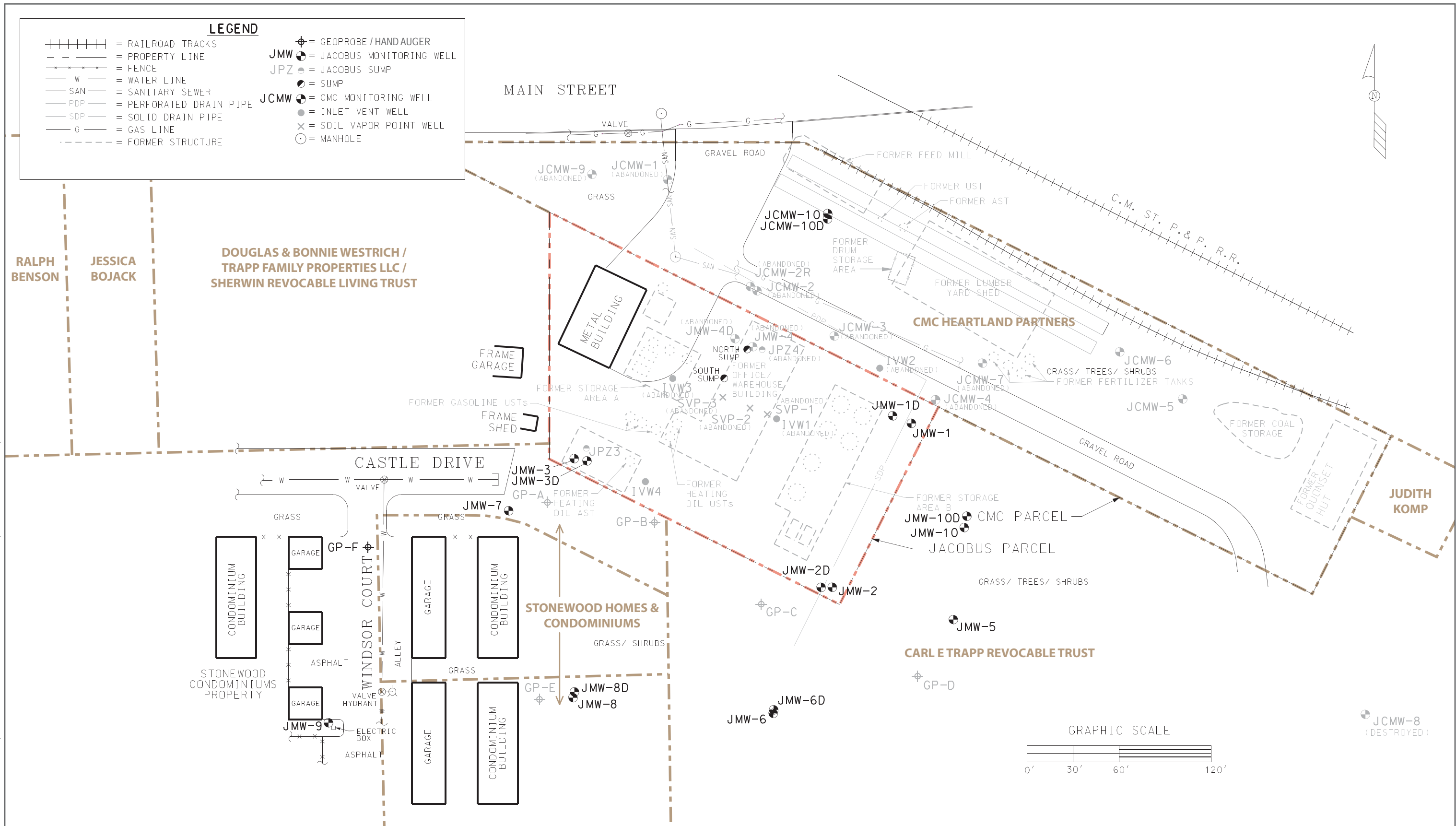
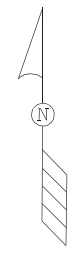


**Figure 1. Site Location Map**  
Former Jacobus Bulk Facility  
N116 W16261 Main Street  
Germantown, Wisconsin



**LEGEND**

++++++ = RAILROAD TRACKS	⊕ = GEOPROBE / HANDAUGER
- - - - = PROPERTY LINE	JMW ⊕ = JACOBUS MONITORING WELL
- - - - = FENCE	JPZ ⊕ = JACOBUS SUMP
- W - - = WATER LINE	● = SUMP
- SAN - = SANITARY SEWER	JCMW ⊕ = CMC MONITORING WELL
- PDP - = PERFORATED DRAIN PIPE	● = INLET VENT WELL
- SDP - = SOLID DRAIN PIPE	⊗ = SOIL VAPOR POINT WELL
- G - - = GAS LINE	○ = MANHOLE
- - - - = FORMER STRUCTURE	

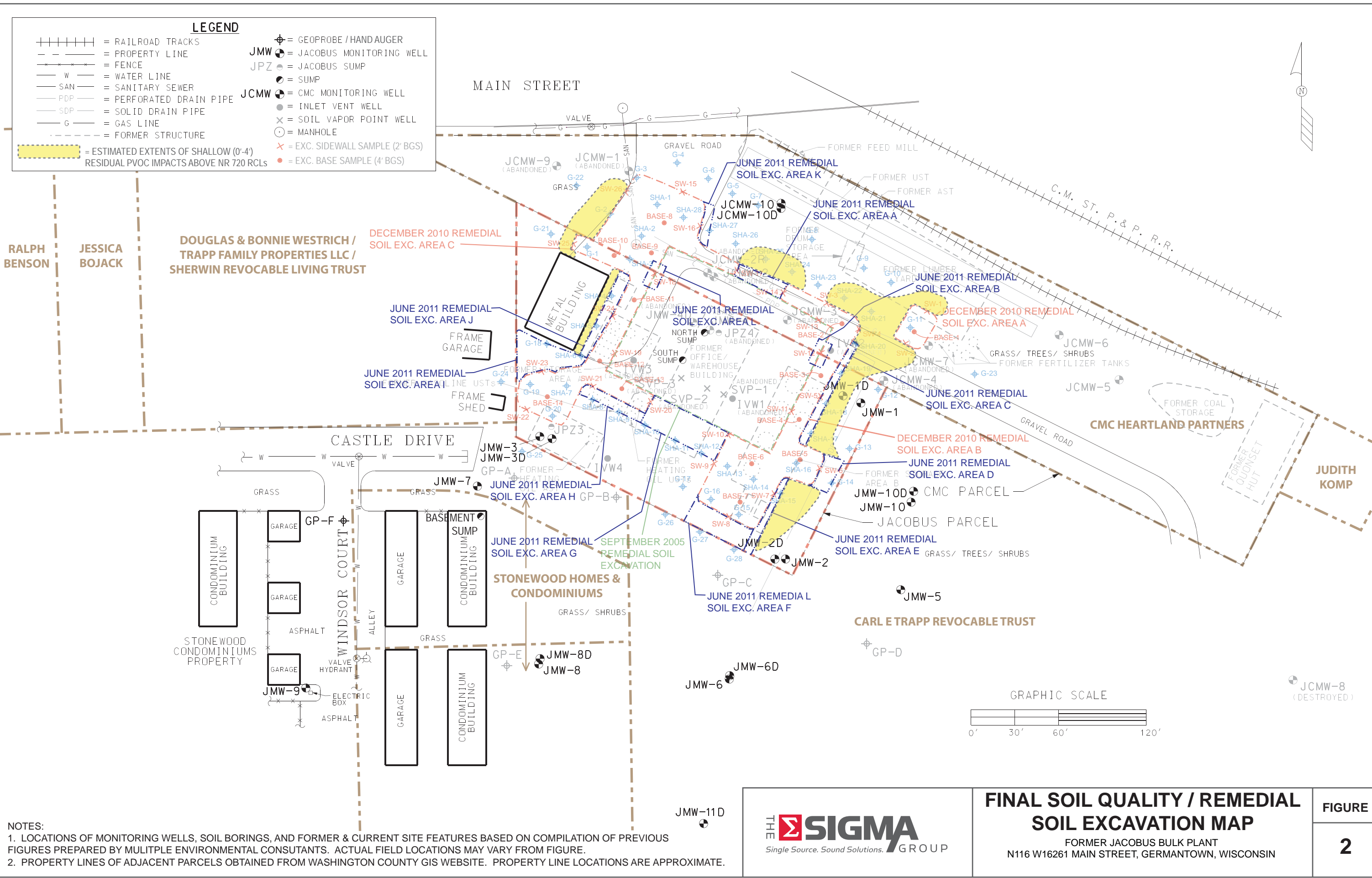


**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.  
 2. PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.

	<b>SITE PLAN MAP</b>	<b>FIGURE</b>
	FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN	<b>2</b>

Date: 8/27/12  
 Created By: AJR  
 Filename: 12442 Site Maps.ai  
 Directory: CAD & GRAPHICS  
 Project: 12442





**LEGEND**

- +++++ = RAILROAD TRACKS
- - - = PROPERTY LINE
- - - = FENCE
- W = WATER LINE
- SAN = SANITARY SEWER
- PDP = PERFORATED DRAIN PIPE
- SDP = SOLID DRAIN PIPE
- G = GAS LINE
- - - = FORMER STRUCTURE
- [Yellow Dashed Box] = ESTIMATED EXTENTS OF SHALLOW (0'-4') RESIDUAL PVOC IMPACTS ABOVE NR 720 RCLs
- ⊕ = GEOPROBE / HANDAUGER
- JMW ⊕ = JACOBUS MONITORING WELL
- JPZ ⊕ = JACOBUS SUMP
- ⊕ = SUMP
- JCMW ⊕ = CMC MONITORING WELL
- ⊕ = INLET VENT WELL
- ⊗ = SOIL VAPOR POINT WELL
- ⊙ = MANHOLE
- ⊗ = EXC. SIDEWALL SAMPLE (2' BGS)
- ⊙ = EXC. BASE SAMPLE (4' BGS)

Date: 10/12/12  
 Created By: AJR  
 Filename: 12442 Site Maps.ai  
 Directory: CAD & GRAPHICS  
 Project: 12442

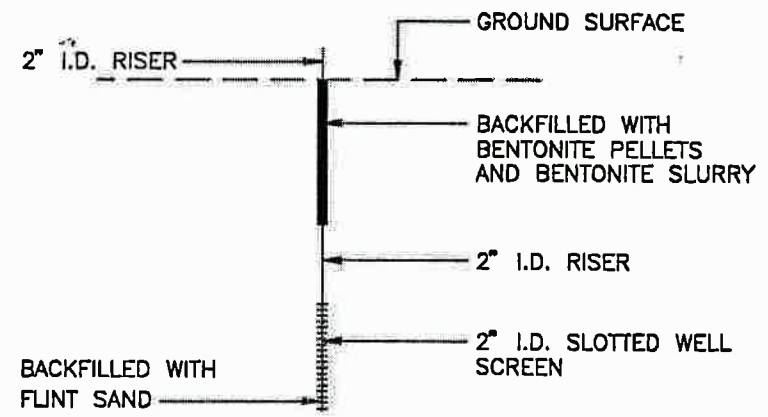
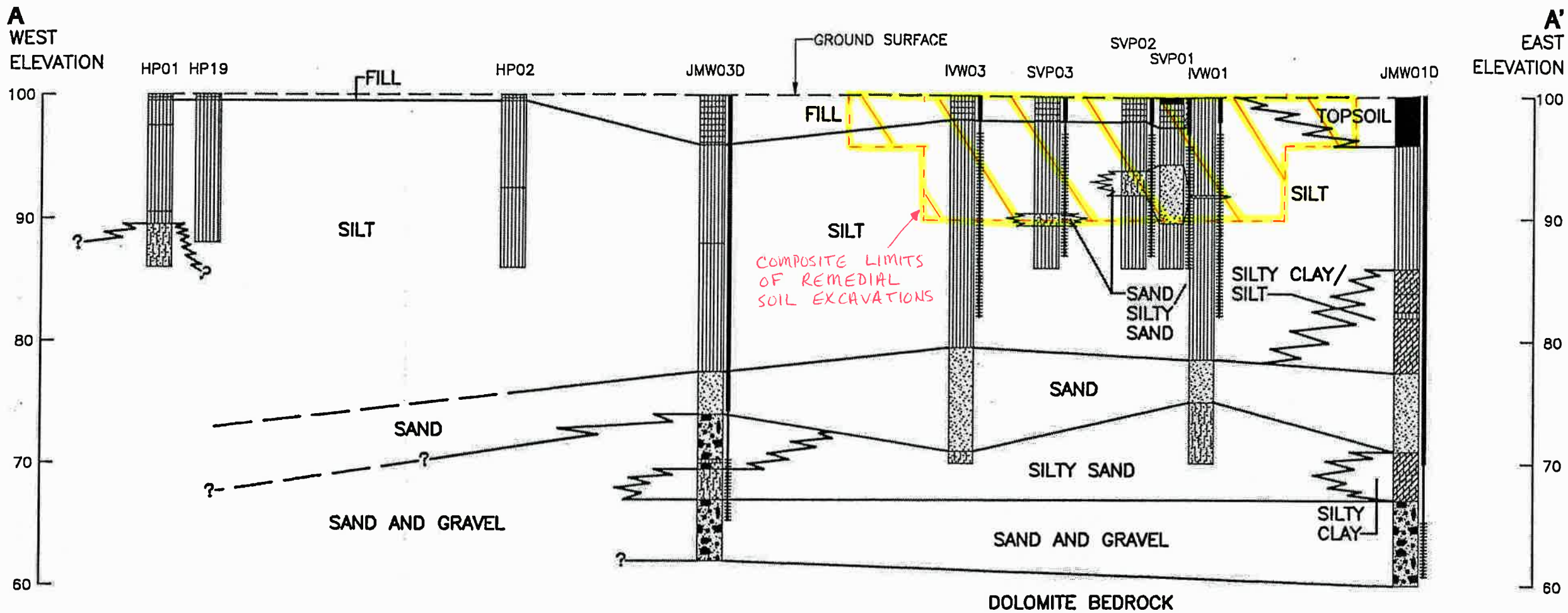
**NOTES:**

- LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.
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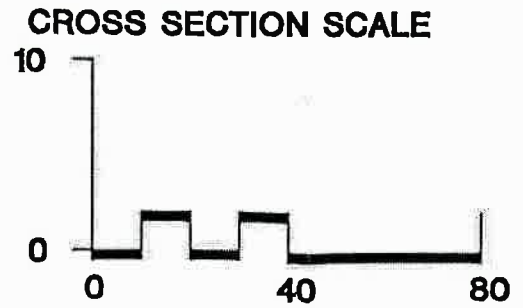
<p style="font-size: small;">Single Source. Sound Solutions. GROUP</p>	<p><b>FINAL SOIL QUALITY / REMEDIAL SOIL EXCAVATION MAP</b></p> <p>FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN</p>	<p><b>FIGURE</b></p> <p style="font-size: 2em;"><b>2</b></p>
	<p>GRAPHIC SCALE</p> <p>0' 30' 60' 120'</p>	

This document has been developed using application and may not be used without the written approval of Montgomery Watson.

QUALITY CONTROL  
 Lead Professional MCB  
 5-12-96  
 6-12-96  
 Technical Review  
 Project Manager MGC  
 7-10-96  
 Management Review  
 Other



**TYPICAL WELL INSTALLATION DETAIL**  
NOT TO SCALE



**SCALE IN FEET**  
**VERTICAL EXAGGERATION: FOUR TIMES**

**LEGEND**

- FILL
- TOPSOIL
- SAND WITH LOW SILT AND CLAY CONTENT (SP OR SW), MAY ALSO INCLUDE SW-SM, SW-SC, SP-SM AND SP-SC
- SILTY SAND (SM), MAY ALSO INCLUDE SP-SM AND SW-SM
- SAND AND GRAVEL WITH LOW SILT AND CLAY CONTENT (SP/GP OR SW/GW), MAY ALSO INCLUDE SW-SM/GW-GM, SW-SC/GW-GC, SP-SM/GP-GM, AND SP-SC/GP-GC
- SILT, NON-PLASTIC OR LOW PLASTICITY (ML)
- SILTY CLAY, LOW PLASTICITY (CL-ML)
- LEAN CLAY, MODERATE PLASTICITY (CL)
- DOLOMITE

**NOTES**

1. THE STRATUM LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. REFER TO DRAWING 3967.0110-B1 FOR ADDITIONAL NOTES AND LEGEND.
3. CROSS SECTION LOCATIONS ARE SHOWN ON DRAWING 3967.0110-B1.
4. FOR THE PURPOSE OF ILLUSTRATING SUBSOIL CONDITIONS ON THE CROSS SECTIONS, SOME OF THE BORING LOGS HAVE BEEN SIMPLIFIED. FOR A DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT INDIVIDUAL BORINGS, REFER TO SOIL BORING LOGS, APPENDIX \_ OF TEXT.
5. FOR COMPLETE MONITORING WELL INSTALLATION DETAILS REFER TO APPENDIX B OF TEXT.
6. HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION.
7. QUESTION MARKS AT THE CONTACTS BETWEEN SUBSOIL TYPES INDICATES THE CONTACTS ARE INFERRED.

**CROSS SECTION A-A'**  
 GROUNDWATER INVESTIGATION AND REMEDIAL ACTION PLAN  
 THE JACOBUS COMPANY  
 N116 W16261 MAIN STREET  
 GERMANTOWN, WISCONSIN

Drawing Number  
 3967.0110 **B8**

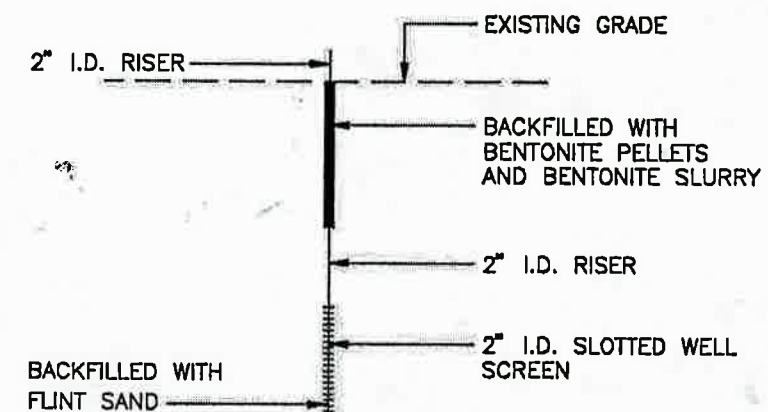
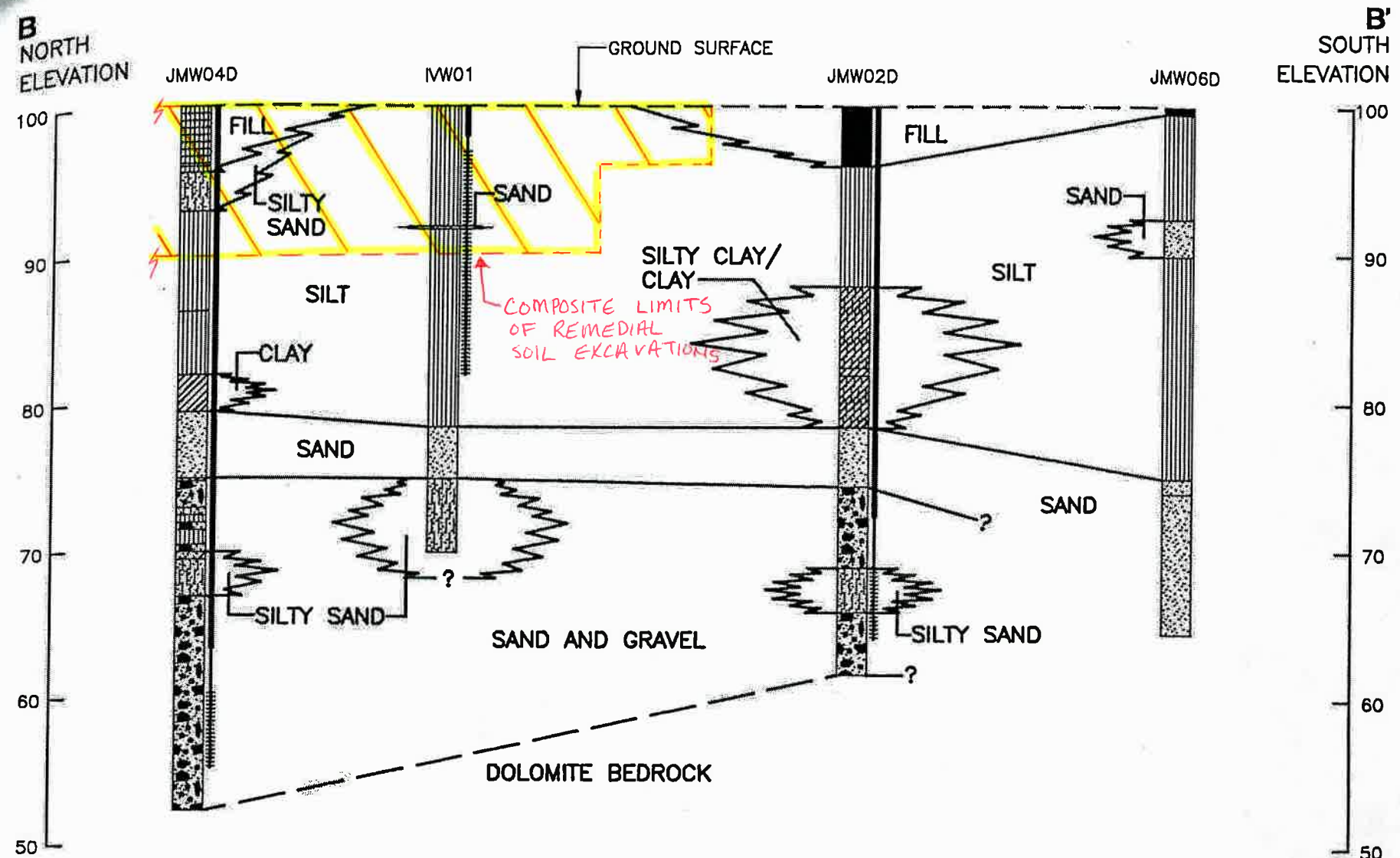
**MONTGOMERY WATSON**

Developed By MCB  
 Drawn By DLF  
 Approved By Margaret C. Harwood 7/16/96  
 Reference  
 Revisions



This document has been developed for a specific application and should not be used without the written approval of Montgomery Watson.

Quality Control  
 Lead Professional MCB  
 8-12-96  
 6-12-96  
 Technical Review  
 Project Manager MCB  
 7-10-98  
 Management Review  
 Other



**TYPICAL WELL INSTALLATION DETAIL**  
NOT TO SCALE

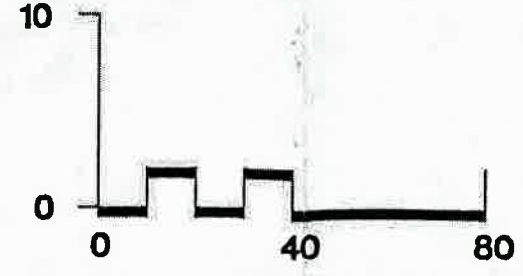
**LEGEND**

- FILL
- TOPSOIL
- SAND WITH LOW SILT AND CLAY CONTENT (SP OR SW), MAY ALSO INCLUDE SW-SM, SW-SC, SP-SM AND SP-SC
- SILTY SAND (SM), MAY ALSO INCLUDE SP-SM AND SW-SM
- SAND AND GRAVEL WITH LOW SILT AND CLAY CONTENT (SP/GP OR SW/GW), MAY ALSO INCLUDE SW-SM/GW-GM, SW-SC/GW-GC, SP-SM/GP-GM, AND SP-SC/GP-GC
- SILT, NON-PLASTIC OR LOW PLASTICITY (ML)
- SILTY CLAY, LOW PLASTICITY (CL-ML)
- LEAN CLAY, MODERATE PLASTICITY (CL)
- DOLOMITE

**NOTES**

1. THE STRATUM LINES ARE BASED ON INTERPOLATION BETWEEN BORINGS AND MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS.
2. REFER TO DRAWING 3967.0110-B1 FOR ADDITIONAL NOTES AND LEGEND.
3. CROSS SECTION LOCATIONS ARE SHOWN ON DRAWING 3967.0110-B1.
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5. FOR COMPLETE MONITORING WELL INSTALLATION DETAILS REFER TO APPENDIX B OF TEXT.
6. HORIZONTAL DISTANCES ARE MEASURED WITH RESPECT TO THE CENTER OF EACH SOIL BORING LOCATION.
7. QUESTION MARKS AT THE CONTACTS BETWEEN SUBSOIL TYPES INDICATES THE CONTACTS ARE INFERRED.

**CROSS SECTION SCALE**



**SCALE IN FEET**  
**VERTICAL EXAGGERATION: FOUR TIMES**

**CROSS SECTION B-B**

GROUNDWATER INVESTIGATION AND REMEDIAL ACTION PLAN  
 THE JACOBUS COMPANY  
 N116 W16261 MAIN STREET  
 GERMANTOWN, WISCONSIN

Drawing Number  
 3967.0110 **B9**

**MONTGOMERY WATSON**



Developed By MCB  
 Drawn By DLF

Approved By *[Signature]*  
 Date 7/16/96  
 Reference  
 Revisions

**LEGEND**

+++++	= RAILROAD TRACKS	⊕	= GEOPROBE / HANDAUGER
---	= PROPERTY LINE	JMW	= JACOBUS MONITORING WELL
---	= FENCE	JPZ	= JACOBUS SUMP
W	= WATER LINE	●	= SUMP
SAN	= SANITARY SEWER	JCMW	= CMC MONITORING WELL
PDP	= PERFORATED DRAIN PIPE	●	= INLET VENT WELL
SDP	= SOLID DRAIN PIPE	X	= SOIL VAPOR POINT WELL
G	= GAS LINE	○	= MANHOLE
---	= FORMER STRUCTURE		

**ANALYTICAL KEY**

B = BENZENE  
 E = ETHYLBENZENE  
 MTBE = METHYL-TERT-BUTYL-ETHER  
 T = TOLUENE  
 TMB = TRIMETHYLBENZENES, TOTAL  
 X = XYLENES, TOTAL  
 N = NAPHTHALENE  
 FP = FREE PRODUCT (PETROLEUM)  
 NA = NOT ANALYZED  
 ( ) = CONCENTRATION EXCEEDS NR 140 ENFORCEMENT STANDARD  
 ( ) = CONCENTRATION EXCEEDS NR 140 PREVENTIVE ACTION LIMIT  
 ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (µg/L)

**JCMW-10**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**NORTH SUMP**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	NA	NA	NA	<0.49	NA
E	NA	NA	NA	<0.98	NA
MTBE	NA	NA	NA	<0.47	NA
T	NA	NA	NA	<0.89	NA
TMB	NA	NA	NA	<2.7	NA
X	NA	NA	NA	<3.2	NA
N	NA	NA	NA	<2	NA

**SOUTH SUMP**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	(2.22)	(3.9)	(3)	[45]	[24.1]
E	2.56	<0.65	<0.55	2.49	1.24
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	<0.53	<0.86	<0.72	1.61	0.60
TMB	<1.13	<1.49	<1.20	<2.7	<1.54
X	<1.58	<2.15	<1.62	<3.2	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-3**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	[1,510]	[101]	[2,490]	[160]
E	<0.76	50	12.5	94	<39
MTBE	<0.42	<4.9	<2.5	<4.7	<40
T	<0.53	<8.6	<7.2	12	<26.5
TMB	<1.13	13.3	14	19.2	54
X	<1.58	47	36	22.3	105
N	<1.4	<12	<24	<20	<105

**JMW-1**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	(1.31)	[540]	[86]	[39]
E	<0.76	1.41	(230)	46	35
MTBE	<0.42	<0.49	<5	<0.47	<0.8
T	<0.53	<0.86	118	17.9	7.2
TMB	<1.13	2.87	[532]	88.6	75
X	<1.58	3.68	[934]	125	126.8
N	<1.4	<1.2	(253)	(43)	(20.3)

**JMW-2**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	[45]	[227]	[5.0]
E	<0.76	<0.65	2.1	15.1	<0.78
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	<0.53	<0.86	1.49	7.0	<0.53
TMB	<1.13	<1.49	1.49	2.4	<1.54
X	<1.58	<2.15	1.49	10.09	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-7**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	[840]	[210]	[11.2]
E	<0.76	<0.65	<27.5	<0.98	<0.78
MTBE	<0.42	<0.49	<12.5	<0.47	<0.8
T	<0.53	<0.86	<36	1.06	<0.53
TMB	<1.13	<1.49	<60	<2.7	<1.54
X	<1.58	<2.15	<81	<3.2	<1.9
N	<1.4	<1.2	<120	<2	<2.1

**JMW-10**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**BASEMENT SUMP**

DATE	8/15/07
B	<0.25
E	<0.22
MTBE	<0.23
T	<0.11
TMB	<0.44
X	<0.39
N	<0.43

**JMW-5**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	NA	NA	NA	<0.49	NA
E	NA	NA	NA	<0.98	NA
MTBE	NA	NA	NA	<0.47	NA
T	NA	NA	NA	1.39	NA
TMB	NA	NA	NA	<2.7	NA
X	NA	NA	NA	<3.2	NA
N	NA	NA	NA	<2	NA

**JMW-8**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

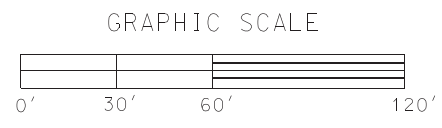
**JMW-6**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**JMW-9**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**ESTIMATED EXTENT OF PVOC IMPACTS ABOVE NR 140 ES IN SHALLOW GROUNDWATER**



**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.  
 2. PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.



**SHALLOW GROUNDWATER QUALITY MAP**  
 FORMER JACOBUS BULK PLANT  
 N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN

**FIGURE 5**

Project: 12442  
 Directory: CAD & GRAPHICS  
 Filename: 12442 Site Maps.ai  
 Created By: AJR  
 Date: 8/27/12



**LEGEND**

+++++	= RAILROAD TRACKS	⊕	= GEOPROBE / HANDAUGER
---	= PROPERTY LINE	JMW	= JACOBUS MONITORING WELL
---	= FENCE	JPZ	= JACOBUS SUMP
W	= WATER LINE	●	= SUMP
SAN	= SANITARY SEWER	JCMW	= CMC MONITORING WELL
PDP	= PERFORATED DRAIN PIPE	●	= INLET VENT WELL
SDP	= SOLID DRAIN PIPE	X	= SOIL VAPOR POINT WELL
G	= GAS LINE	○	= MANHOLE
---	= FORMER STRUCTURE		

**ANALYTICAL KEY**

B = BENZENE  
 E = ETHYLBENZENE  
 MTBE = METHYL-TERT-BUTYL-ETHER  
 T = TOLUENE  
 TMB = TRIMETHYLBENZENES, TOTAL  
 X = XYLENES, TOTAL  
 N = NAPHTHALENE  
 FP = FREE PRODUCT (PETROLEUM)  
 NA = NOT ANALYZED  
 [ ] = CONCENTRATION EXCEEDS NR 140 ENFORCEMENT STANDARD  
 ( ) = CONCENTRATION EXCEEDS NR 140 PREVENTIVE ACTION LIMIT  
 ALL CONCENTRATIONS EXPRESSED IN MICROGRAMS PER LITER (µg/L)

**JMW-3D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[204]	[4,300]	[1,840]	[145]	[370]
E	1.57	13.7	<27.5	<19.6	<7.8
MTBE	0.43	<9.8	<12.5	<9.4	<8
T	<0.53	<17.2	<36	<17.8	<5.3
TMB	2.32	<29.8	<60	<54	<15.4
X	<1.58	<43	<81	<64	<19
N	<1.4	<24	<120	<40	<21

**JCMW-10D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	<0.49	NA
E	<0.76	NA	NA	<0.98	NA
MTBE	<0.42	NA	NA	<0.47	NA
T	<0.53	NA	NA	<0.89	NA
TMB	<1.13	NA	NA	<2.7	NA
X	<1.58	NA	NA	<3.2	NA
N	<1.4	NA	NA	<2	NA

**JMW-1D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[4,600]	[2,910]	[980]	[1.59]	[127]
E	<46	50	<27.5	<0.98	<0.78
MTBE	<42	<24.5	<12.5	<0.47	<0.8
T	<53	<43	<36	<0.89	<0.53
TMB	<1.13	<64.5	<60	<2.7	<1.54
X	<1.58	93	<81	<3.2	<1.9
N	<140	<60	<120	<2	<2.1

**JMW-10D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	<0.38	<0.49	NA
E	<0.76	<0.65	<0.55	<0.98	NA
MTBE	<0.42	<0.49	<0.25	<0.47	NA
T	<0.53	<0.86	<0.72	<0.89	NA
TMB	<1.13	1.53 "J"	<1.20	<2.7	NA
X	<1.58	<2.15	<1.62	<3.2	NA
N	<1.4	<1.2	<2.4	<2	NA

**JMW-2D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	[33]	[3.5]	[0.80]	<0.49	<0.5
E	11.4	0.68	<0.55	<0.98	<0.78
MTBE	<0.42	<0.49	<0.25	<0.47	<0.8
T	2.1	<0.86	<0.72	<0.89	<0.53
TMB	<1.13	<1.49	<1.20	<2.7	<1.54
X	10.5	<2.15	<1.62	<3.2	<1.9
N	<1.4	<1.2	<2.4	<2	<2.1

**JMW-6D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11	4/30/12	7/23/12
B	[143]	[3,300]	[3,600]	[288]	[9,800]	[7,100]	[9,500]
E	<7.6	<13	<27.5	<0.98	<39	<23	<23
MTBE	(14.6)	(16.4)	(24)	<0.47	<40	<28.5	<28.5
T	6.1	<17.2	<36	<0.89	<26.5	<24	<24
TMB	<11.3	<29.8	<60	<2.7	<77	50	<78.5
X	<15.8	<43	<81	<3.2	<95	<72.5	<72.5
N	<14	<24	<120	<2	<105	[127]	<115

**JMW-8D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	NA	NA	[23.7]	[12.1]
E	<0.76	NA	NA	<0.98	<0.78
MTBE	<0.42	NA	NA	2.64	1
T	<0.53	NA	NA	<0.89	<0.53
TMB	<1.13	NA	NA	<2.7	<1.54
X	<1.58	NA	NA	<3.2	<1.9
N	<1.4	NA	NA	<2	<2.1

**JMW-11D**

DATE	3/9/09	6/29/10	9/27/10	7/19/11	10/7/11
B	<0.45	<0.4	<0.38	<0.49	NA
E	<0.76	<0.65	<0.55	<0.98	NA
MTBE	<0.42	<0.49	<0.25	<0.47	NA
T	<0.53	<0.86	<0.72	<0.89	NA
TMB	<1.13	<1.49	<1.20	<2.7	NA
X	<1.58	<2.15	<1.62	<3.2	NA
N	<1.4	<1.2	<2.4	<2	NA

**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.  
 2. PROPERTY LINES OF ADJACENT PARCELS OBTAINED FROM WASHINGTON COUNTY GIS WEBSITE. PROPERTY LINE LOCATIONS ARE APPROXIMATE.

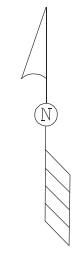
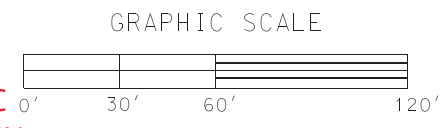


**DEEPER GROUNDWATER QUALITY MAP**  
 FORMER JACOBUS BULK PLANT  
 N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN

**FIGURE 6**

Project: 12442 | Directory: CAD & GRAPHICS | Filename: 12442 Site Maps.ai | Created By: AJR | Date: 8/27/12

**ESTIMATED EXTENT OF PVOC IMPACTS ABOVE NR 140 ESs IN DEEPER GROUNDWATER**



**LEGEND**

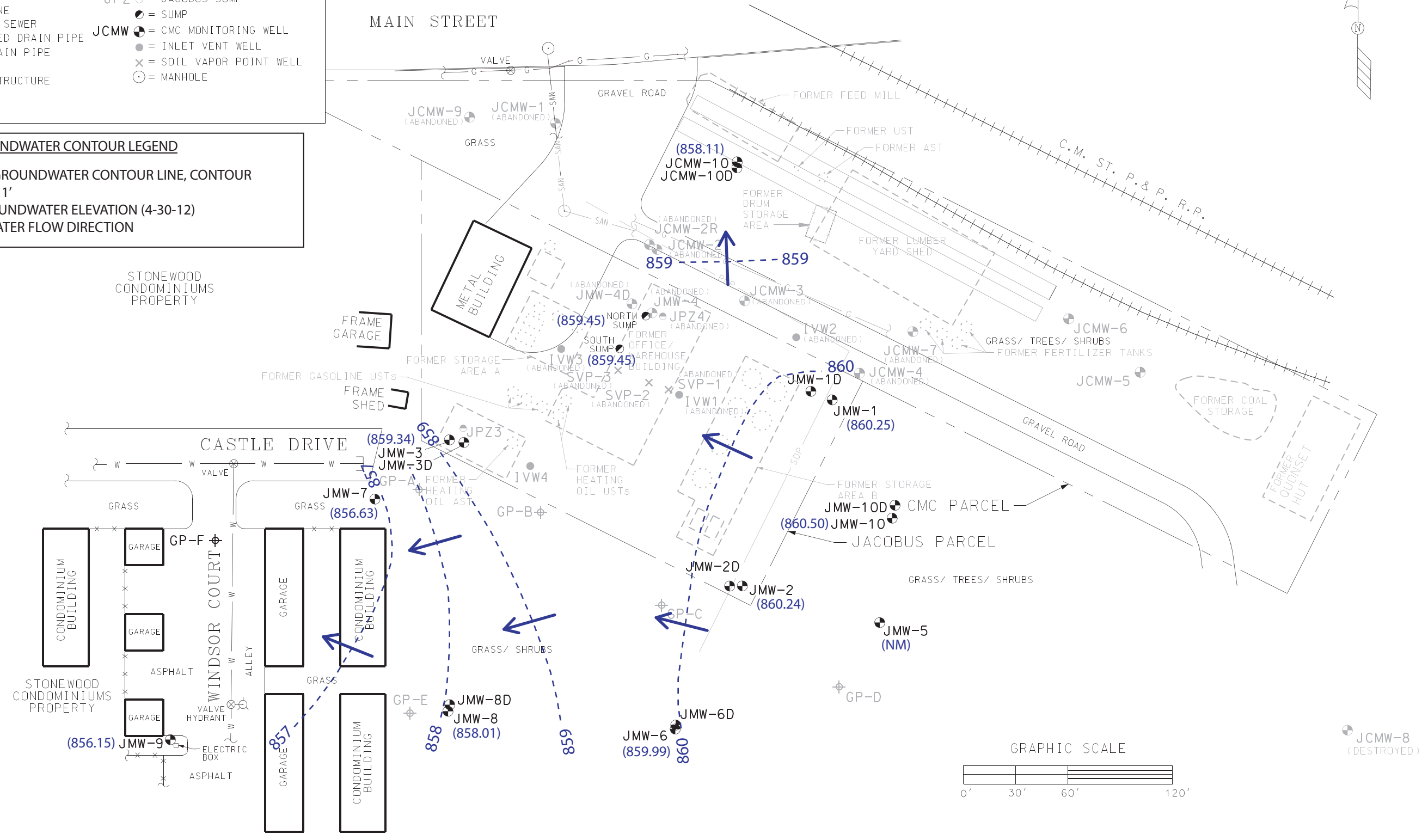
++++++ = RAILROAD TRACKS	⊕ = GEOPROBE / HANDAUGER
- - - - = PROPERTY LINE	JMW ⊕ = JACOBUS MONITORING WELL
- - - - = FENCE	JPZ ⊕ = JACOBUS SUMP
- W - - = WATER LINE	⊕ = SUMP
- SAN - - = SANITARY SEWER	JCMW ⊕ = CMC MONITORING WELL
- PDP - - = PERFORATED DRAIN PIPE	⊕ = INLET VENT WELL
- SDP - - = SOLID DRAIN PIPE	⊗ = SOIL VAPOR POINT WELL
- G - - - = GAS LINE	○ = MANHOLE
- - - - = FORMER STRUCTURE	

**GROUNDWATER CONTOUR LEGEND**

- - - - = SHALLOW GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 1'

(860.25) = STATIC GROUNDWATER ELEVATION (4-30-12)

➔ = GROUNDWATER FLOW DIRECTION



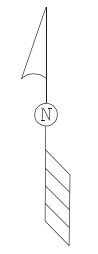
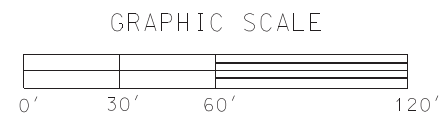
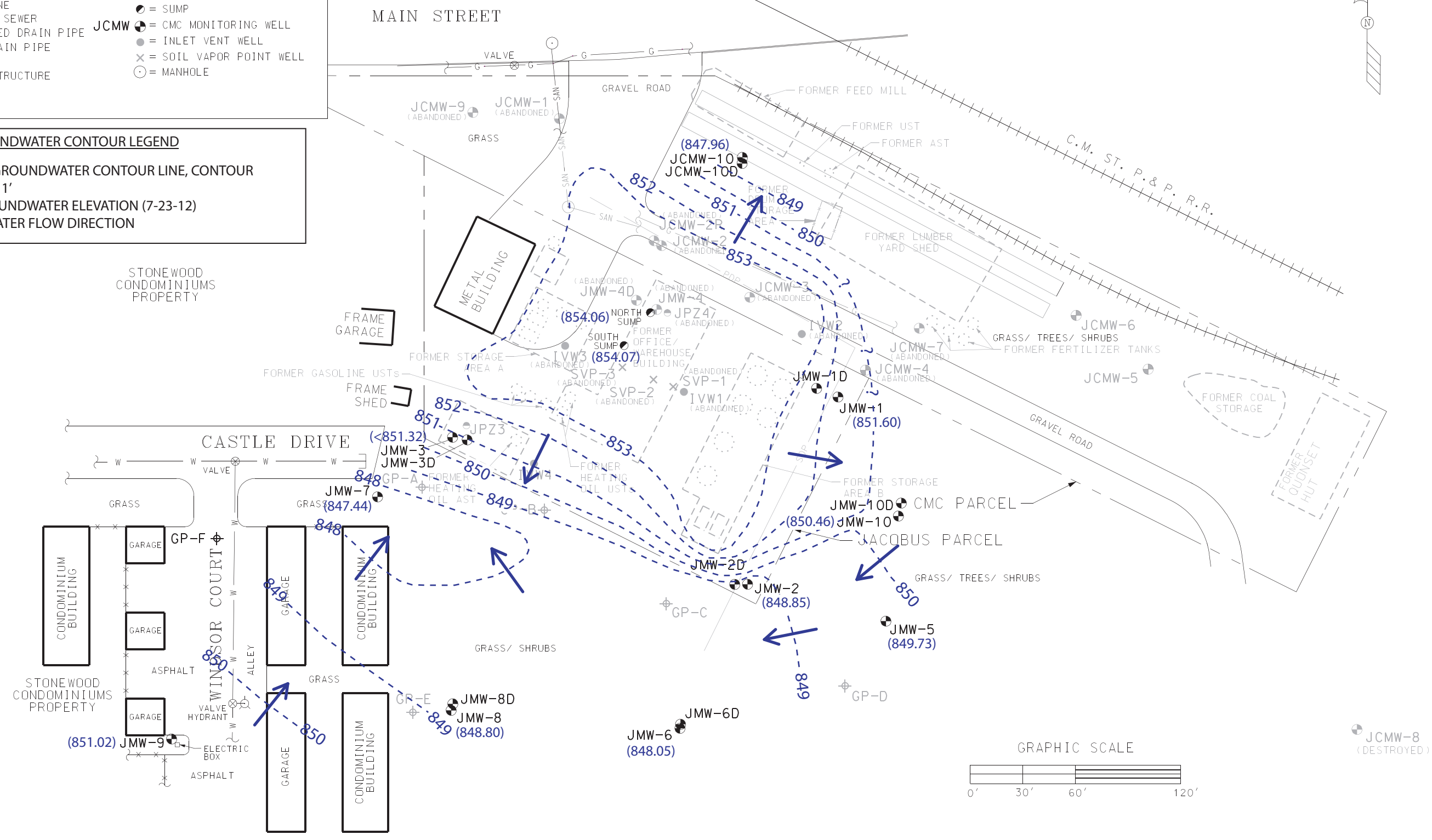
Date: 5/8/12  
 Created By: AJR  
 Filename: 12442 Site Maps.ai  
 Directory: CAD & GRAPHICS  
 Project: 12442

**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.

 Single Source. Sound Solutions. GROUP	<b>SHALLOW GROUNDWATER          CONTOUR MAP (4-30-12)</b> FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN	<b>FIGURE</b> <b>1</b>
--	--	---------------------------

- LEGEND**
- +++++ = RAILROAD TRACKS
  - - - - - = PROPERTY LINE
  - - - - - = FENCE
  - W = WATER LINE
  - SAN = SANITARY SEWER
  - PDP = PERFORATED DRAIN PIPE
  - SDP = SOLID DRAIN PIPE
  - G = GAS LINE
  - - - - - = FORMER STRUCTURE
  - ⊕ = GEOPROBE / HANDAUGER
  - JMW ⊕ = JACOBUS MONITORING WELL
  - JPZ ⊕ = JACOBUS SUMP
  - ⊕ = SUMP
  - JCMW ⊕ = CMC MONITORING WELL
  - ⊕ = INLET VENT WELL
  - ⊗ = SOIL VAPOR POINT WELL
  - = MANHOLE

- GROUNDWATER CONTOUR LEGEND**
- - - - - = SHALLOW GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 1'
  - (860.25) = STATIC GROUNDWATER ELEVATION (7-23-12)
  - ➔ = GROUNDWATER FLOW DIRECTION



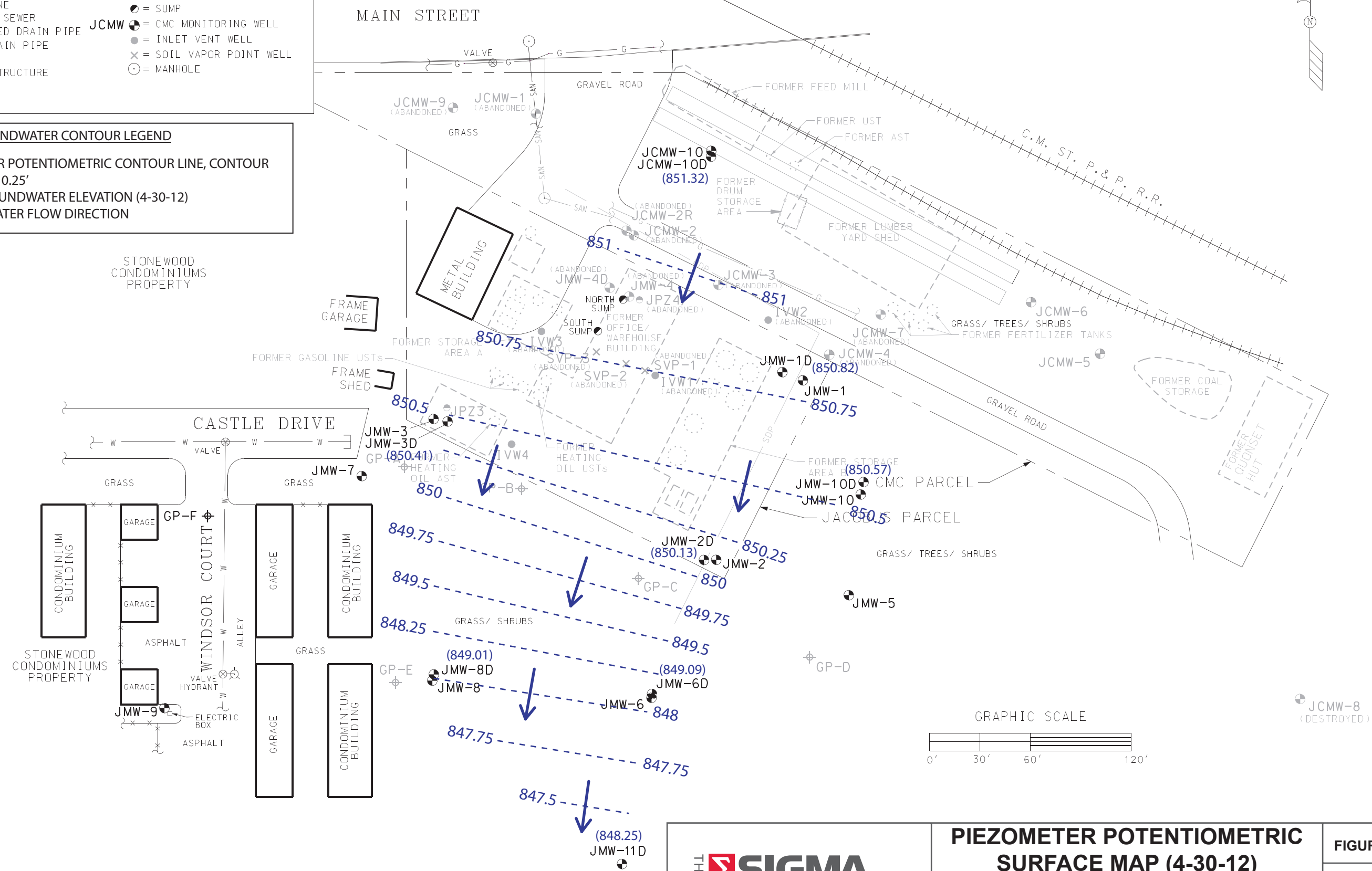
Date: 5/8/12  
 Created By: AJR  
 Filename: 12442 Site Maps.ai  
 Directory: CAD & GRAPHICS  
 Project: 12442

**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.


<p style="font-size: small;">Single Source. Sound Solutions. GROUP</p>	<p><b>SHALLOW GROUNDWATER CONTOUR MAP (7-23-12)</b></p> <p>FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN</p>	<p><b>FIGURE</b></p> <p style="font-size: 2em; font-weight: bold;">3</p>

LEGEND	
+++++	= RAILROAD TRACKS
---	= PROPERTY LINE
- - -	= FENCE
W	= WATER LINE
SAN	= SANITARY SEWER
PDP	= PERFORATED DRAIN PIPE
SDP	= SOLID DRAIN PIPE
G	= GAS LINE
- - -	= FORMER STRUCTURE
⊕	= GEOPROBE / HANDAUGER
JMW	= JACOBUS MONITORING WELL
JPZ	= JACOBUS SUMP
●	= SUMP
JCMW	= CMC MONITORING WELL
●	= INLET VENT WELL
X	= SOIL VAPOR POINT WELL
○	= MANHOLE

GROUNDWATER CONTOUR LEGEND	
- - -	= PIEZOMETER POTENTIOMETRIC CONTOUR LINE, CONTOUR INTERVAL = 0.25'
(850.82)	= STATIC GROUNDWATER ELEVATION (4-30-12)
→	= GROUNDWATER FLOW DIRECTION



NOTES:  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.

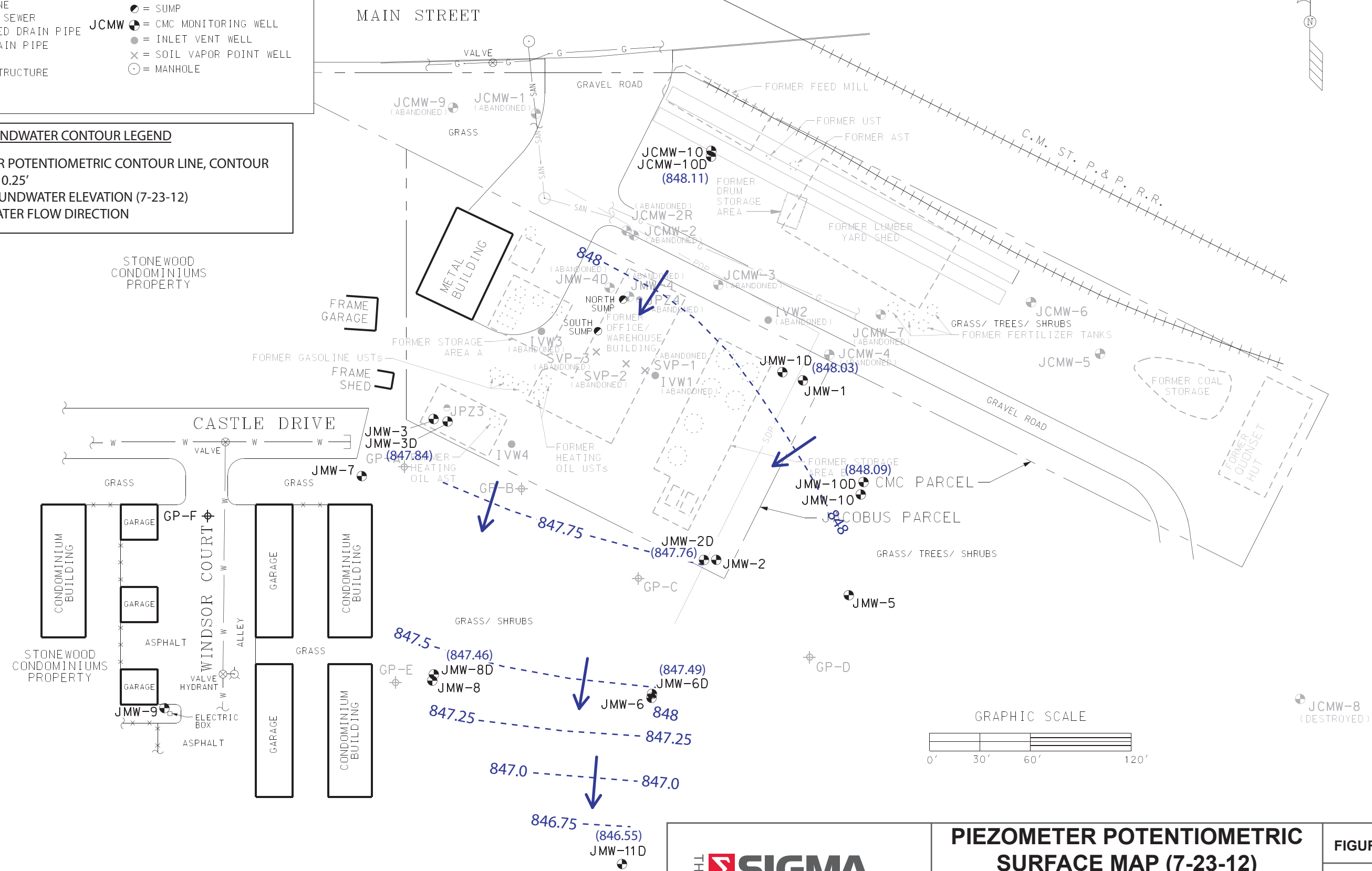
 Single Source. Sound Solutions. GROUP	<b>PIEZOMETER POTENTIOMETRIC SURFACE MAP (4-30-12)</b> FORMER JACOBUS BULK PLANT N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN		<b>FIGURE</b> <b>2</b>
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Project: 12442 | Directory: CAD & GRAPHICS | Filename: 12442 Site Maps.ai | Created By: AJR | Date: 5/8/12




- LEGEND**
- +++++ = RAILROAD TRACKS
  - - - = PROPERTY LINE
  - - - - - = FENCE
  - W = WATER LINE
  - SAN = SANITARY SEWER
  - PDP = PERFORATED DRAIN PIPE
  - SDP = SOLID DRAIN PIPE
  - G = GAS LINE
  - - - - - = FORMER STRUCTURE
  - ⊕ = GEOPROBE / HANDAUGER
  - JMW ⊕ = JACOBUS MONITORING WELL
  - JPZ ⊕ = JACOBUS SUMP
  - ⊕ = SUMP
  - JCMW ⊕ = CMC MONITORING WELL
  - ⊕ = INLET VENT WELL
  - ⊗ = SOIL VAPOR POINT WELL
  - = MANHOLE

- GROUNDWATER CONTOUR LEGEND**
- - - - - = PIEZOMETER POTENTIOMETRIC CONTOUR LINE, CONTOUR INTERVAL = 0.25'
  - (850.82) = STATIC GROUNDWATER ELEVATION (7-23-12)
  - ➔ = GROUNDWATER FLOW DIRECTION



**NOTES:**  
 1. LOCATIONS OF MONITORING WELLS, SOIL BORINGS, AND FORMER & CURRENT SITE FEATURES BASED ON COMPILATION OF PREVIOUS FIGURES PREPARED BY MULTIPLE ENVIRONMENTAL CONSULTANTS. ACTUAL FIELD LOCATIONS MAY VARY FROM FIGURE.

 <p>Single Source. Sound Solutions. GROUP</p>	<p><b>PIEZOMETER POTENTIOMETRIC SURFACE MAP (7-23-12)</b></p> <p>FORMER JACOBUS BULK PLANT        N116 W16261 MAIN STREET, GERMANTOWN, WISCONSIN</p>	<p><b>FIGURE</b></p> <p style="font-size: 2em;"><b>4</b></p>
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Project: 12442 | Directory: CAD & GRAPHICS | Filename: 12442 Site Maps.ai | Created By: AJR | Date: 5/8/12

**Table 1**  
**August 2007 Hand Auger Soil Quality Results**  
**Former Jacobus Bulk Plant - N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 6905**

Sample Location:	SHA-1	SHA-2	SHA-3	SHA-4	SHA-5	SHA-6	SHA-7	SHA-8	SHA-9	SHA-10	SHA-11	SHA-12	SHA-13	SHA-14	NR 720 RCL <sup>2</sup>	NR 746 Table 1/ Table 2 <sup>3</sup>	
Sample Depth (feet bgs):	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Date:	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07			
Photoionization Detector	ppm	340	365	87	227	31	2.3	1,260	1,161	480	4.1	20.8	0.0	66	670	---	---
<b>PVOCs</b>																	
Benzene	µg/kg	[ 2,500 ]	[ 46,000 ]	[ 1,100 ]	490	57	110	[ 25,000 ]	380	<1,000 "R"	48	29	<31	[ 1,800 ]	[ 8,300 ]	5.5	8,500 / 1,100
Ethylbenzene	µg/kg	5,700	4,800	1,500	1,200	28	88	15,000	950	2,100	120	<28	<31	310	32,000	2,900	4,600 / NS
Methyl-tert-butyl-ether	µg/kg	<31	<28	<32	<160	<28	<29	<290	<27	<27	<28	<28	<31	<150	<600	NS	NS / NS
Toluene	µg/kg	470	2,500	120	290	54	170	14,000	890	560	110	36	42	5,400	41,000	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	3,700	900	2,200	12,000	81	160	53,000	9,900	25,000	750	62	41	31,000	110,000	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	300	280	420	3,000	<28	53	22,000	3,500	7,500	290	<28	<31	55,000	39,000	NS	11,000 / NS
Xylenes (total)	µg/kg	8,600	11,000	1,600	3,300	190	620	120,000	12,000	22,000	1,100	110	150	42,000	180,000	4,100	42,000 / NS
Naphthalene	µg/kg	<74	<330	87	6,500	<34	<35	73,000	2,000	670	85	<34	<37	190	8,300	NS	2,700 / NS
<b>PAHs</b>																	
Acenaphthene	µg/kg	<120	<560	<65	2,000	<56	<58	1,500	<540	<110	<55	<57	<62	<310	77	38,000	900,000
Acenaphthylene	µg/kg	<210	<950	<110	<1,600	<95	<98	<1,000	<910	<180	<94	<97	<110	<520	<100	700	18,000
Anthracene	µg/kg	<12	65	<6.5	2,400	<5.6	<5.8	1,000	58	<11	<5.5	<5.7	<6.2	<31	160	3,000,000	5,000,000
Benzo(a)anthracene	µg/kg	22	[ 360 ]	<6.5	[ 3,900 ]	11	23	[ 1,600 ]	65	32	6.5	<5.7	<6.2	<31	[ 110 ]	17,000	88
Benzo(b)fluoranthene	µg/kg	20	[ 130 ]	<6.5	[ 510 ]	7.7	23	61	<54	12	6.3	<5.7	8.0	<31	<6.0	360,000	88
Benzo(k)fluoranthene	µg/kg	<12	<56	<6.5	180	<5.6	14	140	<54	<11	<5.5	<5.7	7.5	<31	<6.0	870,000	880
Benzo(a)pyrene	µg/kg	[ 21 ]	[ 160 ]	<6.5	<93	8.5	[ 27 ]	<59	<54	<11	<5.5	<5.7	[ 10 ]	<31	<6.0	48,000	8.8
Benzo(ghi)perylene	µg/kg	20	130	<6.5	140	6.1	27	<59	<54	<11	9.4	<5.7	9.3	<31	<6.0	6,800,000	1,800
Chrysene	µg/kg	17	170	<6.5	1,600	8.1	21	620	<54	<11	<5.5	<5.7	7.3	<31	54	37,000	8,800
Dibenzo(a,h)anthracene	µg/kg	<19	<84	<9.7	<140	<8.4	<8.7	<88	<80	<16	<8.3	<8.5	<9.4	<46	<8.9	38,000	8.8
Fluoranthene	µg/kg	56	810	<13	26,000	24	60	8,100	300	24	25	<11	20	65	800	500,000	600,000
Fluorene	µg/kg	<25	<110	<13	5,200	<11	<12	7,500	250	<21	<11	<11	<12	<61	580	100,000	600,000
Indeno(1,2,3-cd)pyrene	µg/kg	18	[ 120 ]	<6.5	<93	6.8	21	<59	<54	<11	7.7	<5.7	8.7	<31	<6.0	680,000	88
1-Methylnaphthalene	µg/kg	<74	<330	<39	30,000	<34	<35	77,000	3,100	490	68	<34	<37	970	3,800	23,000	1,100,000
2-Methylnaphthalene	µg/kg	<62	570	60	44,000	<28	<29	160,000	5,600	970	130	<28	<31	850	7,700	20,000	600,000
Naphthalene	µg/kg	<74	<330	87	6,500	<34	<35	[ 73,000 ]	2,000	670	85	<34	<37	190	8,300	400	20,000
Phenanthrene	µg/kg	41	500	<6.5	13,000	13	41	7,900	180	22	17	<5.7	8.5	<31	840	1,800	18,000
Pyrene	µg/kg	13	140	<6.5	17,000	13	58	7,500	<54	23	10	<5.7	13	56	580	8,700,000	500,000

Notes:

- µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
- NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level for protection of groundwater.
- NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
- Protection of GW RCL = Interim guidance RCL for protection of groundwater pathway from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
- Direct Contact RCL = Interim guidance RCL for protection of direct contact at a non-industrial property from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
- Laboratory flag: "R" = Reporting limit raised due to high concentrations of non-target analytes
- NS = no standard established
- Exceedances:
  - box** = Concentration exceeds NR 746 Table 1 value (for PVOCs & naphthalene)
  - [ brackets ]** = Concentration exceeds NR 746 Table 2 value (for PVOCs & naphthalene) OR interim guidance direct contact RCL (for PAHs)
  - bold, italics** = Concentration exceeds NR 720 generic RCL (for PVOCs) OR interim guidance protection of groundwater RCL (for PAHs)

**SOIL REMOVED BY REMEDIAL SOIL  
 = EXCAVATION AT A LATER DATE**



**Table 1**  
**August 2007 Hand Auger Soil Quality Results**  
**Former Jacobus Bulk Plant - N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 6905**

Sample Location:	SHA-15	SHA-16	SHA-17	SHA-18	SHA-19	SHA-20	SHA-21	SHA-22	SHA-23	SHA-24	SHA-25	SHA-26	SHA-27	SHA-28	MeOH Blank	NR 720 RCL <sup>2</sup>	NR 746 Table 1 / Table 2 <sup>3</sup>	
Sample Depth (feet bgs):	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Date:	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07	08/15/07			
Photoionization Detector	ppm	0.0	787	417	6.2	33	14.6	0.0	0.0	0.0	0.0	237	91	410	---	---	---	
<b>PVOCs</b>																		
Benzene	µg/kg	85	[ 16,000 ]	600	37	580	130	72	46	<30	31	32	<990 "R"	<300 "R"	<2,100 "R"	<25	5.5	8,500 / 1,100
Ethylbenzene	µg/kg	180	57,000	830	130	790	130	88	39	<30	<30	33	2,300	1,900	17,000	<25	2,900	4,600 / NS
Methyl-tert-butyl-ether	µg/kg	<31	<580	<62	<29	<30	<31	<33	<32	<30	<30	<30	<31	<31	<65	<25	NS	NS / NS
Toluene	µg/kg	92	1,000	140	64	180	84	100	49	<30	34	31	170	72	260	<25	1,500	38,000 / NS
1,2,4-Trimethylbenzene	µg/kg	240	130,000	2,700	320	2,000	510	86	<32	<30	<30	36	2,800	6,100	11,000	<25	NS	83,000 / NS
1,3,5-Trimethylbenzene	µg/kg	82	41,000	900	55	840	180	<33	<32	<30	<30	<30	870	1,200	1,500	<25	NS	11,000 / NS
Xylenes (total)	µg/kg	840	190,000	5,600	570	2,500	730	420	160	<90	120	120	3,900	1,300	14,000	<75	4,100	42,000 / NS
Naphthalene	µg/kg	<37	20,000	1,500	<35	120	<37	<80	440	<36	<73	<36	87	160	240	NA	NS	2,700 / NS
<b>PAHs</b>																		
Acenaphthene	µg/kg	<62	660	<120	<58	<120	<61	<130	<320	<60	<120	<60	<120	<120	<130	NA	38,000	900,000
Acenaphthylene	µg/kg	<110	<490	<210	<99	<200	<100	<230	<550	<100	<210	<100	<210	<210	<220	NA	700	18,000
Anthracene	µg/kg	<6.2	630	140	<5.8	<12	<6.1	<13	430	<6.0	<12	<6.0	41	<12	<13	NA	3,000,000	5,000,000
Benzo(a)anthracene	µg/kg	<6.2	[ 140 ]	[ 120 ]	<5.8	13	<6.1	42	[ 920 ]	6.0	46	<6.0	[ 180 ]	31	<13	NA	17,000	88
Benzo(b)fluoranthene	µg/kg	<6.2	<29	<12	<5.8	<12	<6.1	43	[ 590 ]	<6.0	42	<6.0	62	29	<13	NA	360,000	88
Benzo(k)fluoranthene	µg/kg	<6.2	<29	<12	<5.8	<12	<6.1	23	380	<6.0	34	<6.0	30	23	<13	NA	870,000	880
Benzo(a)pyrene	µg/kg	<6.2	<29	<12	<5.8	[ 14 ]	<6.1	[ 49 ]	[ 750 ]	<6.0	[ 41 ]	<6.0	[ 120 ]	[ 37 ]	<13	NA	48,000	8.8
Benzo(ghi)perylene	µg/kg	<6.2	<29	<12	<5.8	17	<6.1	71	580	<6.0	55	<6.0	94	35	26	NA	6,800,000	1,800
Chrysene	µg/kg	<6.2	330	83	<5.8	12	<6.1	36	780	<6.0	45	<6.0	120	32	18	NA	37,000	8,800
Dibenzo(a,h)anthracene	µg/kg	<9.4	<44	<19	<8.7	<18	<9.2	<20	[ 96 ]	<9.0	<18	<9.1	<19	<19	<20	NA	38,000	8.8
Fluoranthene	µg/kg	<12	6,100	680	<12	43	<12	95	2,000	<12	140	<12	400	76	54	NA	500,000	600,000
Fluorene	µg/kg	<12	2,200	390	<12	<24	<12	<27	190	<12	<24	<12	27	<25	<26	NA	100,000	600,000
Indeno(1,2,3-cd)pyrene	µg/kg	<6.2	<29	<12	<5.8	<12	<6.1	45	[ 460 ]	<6.0	32	<6.0	26	28	<13	NA	680,000	88
1-Methylnaphthalene	µg/kg	<37	18,000	2,600	<35	110	<37	<80	<190	<36	<73	<36	<74	<74	<78	NA	23,000	1,100,000
2-Methylnaphthalene	µg/kg	<31	36,000	4,600	<29	170	<31	<67	1,100	<30	<61	<30	82	110	75	NA	20,000	600,000
Naphthalene	µg/kg	<37	[ 20,000 ]	1,500	<35	120	<37	<80	440	<36	<73	<36	87	160	240	NA	400	20,000
Phenanthrene	µg/kg	<6.2	4,400	610	<5.8	33	<6.1	54	1,500	6.3	84	<6.0	180	27	31	NA	1,800	18,000
Pyrene	µg/kg	<6.2	4,000	700	<5.8	<12	<6.1	55	1,300	<6.0	97	<6.0	190	56	22	NA	8,700,000	500,000

- Notes:
- µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
  - NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level for protection of groundwater.
  - NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
  - Protection of GW RCL = Interim guidance RCL for protection of groundwater pathway from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
  - Direct Contact RCL = Interim guidance RCL for protection of direct contact at a non-industrial property from WDNR publication RR-519-97 "Soil Cleanup Levels for Polycyclic Aromatic Hydrocarbons (PAHs) Interim Guidance" (April 1997)
  - Laboratory flag: "R" = Reporting limit raised due to high concentrations of non-target analytes
  - NS = no standard established
  - Exceedances:
    - box** = Concentration exceeds NR 746 Table 1 value (for PVOCs & naphthalene)
    - [ brackets ]** = Concentration exceeds NR 746 Table 2 value (for PVOCs & naphthalene) OR interim guidance direct contact RCL (for PAHs)
    - bold, italics** = Concentration exceeds NR 720 generic RCL (for PVOCs) OR interim guidance protection of groundwater RCL (for PAHs)

**= SOIL REMOVED BY REMEDIAL SOIL EXCAVATION AT A LATER DATE**

SOIL BORING DATA TABLE FOR JACOBUS - GERMANTOWN LUST INVESTIGATION BRRTS# 02-67-000801  
BY METCO

SAMPLING CONDUCTED ON NOVEMBER 19, 2008

SOIL SAMPLES

Sample Location Number	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11	G-12	G-13	G-14	G-15	G-16	G-17	G-18	G-19	G-20	G-21	G-22	G-23	G-24	G-25	G-26	G-27	G-28	
Sample Depth in Feet	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	3.5-4	
Soil Type	SILT/CLAY	SILT/CLAY	SANDY SILT	SANDY SILT	SAND	SILT SAND GRAVEL	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SILT	SAND	SILT	SILT	SILT	SILT	SILT	SANDY SILT	SILT	SILT	SILT	SILT	
Petroleum Odors	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Staining	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Moisture	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST	MOIST
HNU	220	100	0	6	0	0	0	0	0	0	350	0	0	0	250	150	80	0	350	250	0	0	0	0	0	0	0	0	0
Solids Percent	81.2	77.7	87.7	87.4	87.9	90.4	83.8	84.9	86	86.9	85.4	78.9	84.5	94.8	86.6	85	85.1	86.6	85.7	86.2	80.1	86.1	87.2	84.7	85.2	80.8	84.8	83.4	
Benzene/ppb	340	430	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	5500	< 25	< 25	< 25	2980	350	41	< 25	57000	1320	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Ethylbenzene/ppb	5800	2870	< 25	34	< 25	< 25	< 25	< 25	< 25	< 25	11600	< 25	< 25	< 25	49400	12700	2810	35	73000	4100	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Methyl tert-butyl ether/ppb	< 250	< 250	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 1250	< 25	< 25	< 25	< 250	< 25	< 25	< 25	< 250	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Toluene/ppb	1910	1310	< 25	39	25.4	< 25	< 25	< 25	< 25	< 25	5000	< 25	< 25	< 25	9900	490	244	53	35000	3600	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,2,4-Trimethylbenzene/ppb	8100	2010	< 25	< 25	38	< 25	< 25	< 25	< 25	< 25	74000	< 25	< 25	< 25	94000	34000	7200	< 25	97000	8400	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
1,3,5-Trimethylbenzene/ppb	9600	1200	< 25	108	< 25	< 25	< 25	< 25	< 25	< 25	25800	< 25	< 25	< 25	34000	12100	2460	< 25	35000	2960	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
m & p-Xylene/ppb	5300	1990	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	80000	< 50	< 50	< 50	209000	64000	14600	98	253000	16900	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
o-Xylene/ppb	990	1950	< 25	< 25	41	< 25	< 25	< 25	< 25	< 25	53000	< 25	< 25	< 25	60000	15800	2830	47	61000	5200	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Acenaphthene/ppb	2630	860	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	210	< 13	< 13	< 13	82	27.9 "J"	< 13	< 13	750	92	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13	< 13
Acenaphthylene/ppb	1150 "J"	400	< 14	< 14	< 14	29.8 "J"	< 14	< 14	< 14	< 14	94	< 14	< 14	< 14	28.5 "J"	< 14	< 14	< 14	286	46	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14	< 14
Anthracene/ppb	680 "J"	159	< 8.8	< 8.8	< 8.8	27.1 "J"	< 8.8	< 8.8	< 8.8	< 8.8	32 "J"	< 8.8	< 8.8	< 8.8	39 "J"	< 8.8	< 8.8	< 8.8	125 "J"	16.1 "J"	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8	< 8.8
Benzo(a)anthracene/ppb	< 750	< 75	< 15	< 15	25.5 "J"	88	< 15	< 15	< 15	< 15	< 30	< 15	< 15	< 15	< 30	< 15	< 15	< 15	< 75	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15	< 15
Benzo(a)pyrene/ppb	< 385	< 38.5	< 7.7	< 7.7	37	119	< 7.7	< 7.7	< 7.7	< 7.7	< 15.4	< 7.7	< 7.7	< 7.7	< 15.4	< 7.7	< 7.7	< 7.7	< 38.5	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7	< 7.7
Benzo(b)fluoranthene/ppb	< 550	< 55	< 11	< 11	50	174	< 11	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 55	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Benzo(g,h,i)perylene/ppb	< 600	< 60	< 12	< 12	48	194	< 12	< 12	< 12	< 12	< 24	< 12	< 12	< 12	< 24	< 12	< 12	< 12	< 60	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12
Benzo(k)fluoranthene/ppb	< 550	< 55	< 11	< 11	14.2 "J"	51	< 11	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 55	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Chrysene/ppb	< 340	< 34	< 6.8	< 6.8	32	111	< 6.8	< 6.8	< 6.8	< 6.8	< 13.6	< 6.8	< 6.8	< 6.8	< 13.6	< 6.8	< 6.8	< 6.8	< 34	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8	< 6.8
Dibenz(a,h)anthracene/ppb	< 485	< 48.5	< 9.7	< 9.7	10.4 "J"	30.7 "J"	< 9.7	< 9.7	< 9.7	< 9.7	< 19.4	< 9.7	< 9.7	< 9.7	< 19.4	< 9.7	< 9.7	< 9.7	< 48.5	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7	< 9.7
Fluoranthene/ppb	< 580	93 "J"	< 11	< 11	36	159	< 11	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 22	< 11	< 11	< 11	< 55	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11	< 11
Fluorene/ppb	4500	1600	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	390	< 12	< 12	< 12	201	73	17.7 "J"	< 12	1070	192	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12
Indeno(1,2,3-cd)pyrene/ppb	< 495	< 49.5	< 9.9	< 9.9	32	124	< 9.9	< 9.9	< 9.9	< 9.9	< 19.8	< 9.9	< 9.9	< 9.9	< 19.8	< 9.9	< 9.9	< 9.9	< 49.5	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9
1-Methylnaphthalene/ppb	67000	18900	13.1 "J"	96	< 12	< 12	< 12	< 12	< 12	< 12	5800	< 12	< 12	< 12	5600	1020	390	66	15700	2400	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12
2-Methylnaphthalene/ppb	134000	430	< 9.4	16.2 "J"	12 "J"	13.5 "J"	< 9.4	< 9.4	< 9.4	< 9.4	12.2 "J"	11700	< 9.4	< 9.4	11900	2320	890	135	33000	5100	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4
Naphthalene/ppb	32000	630	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	8400	< 12	< 12	< 12	8200	2880	1430	42	8700	2950	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12
Phenanthrene/ppb	10600	3900	< 9.4	< 9.4	19.5 "J"	67	< 9.4	< 9.4	< 9.4	< 9.4	690	< 9.4	< 9.4	< 9.4	320	82	24.1 "J"	< 9.4	1630	269	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4	< 9.4
Pyrene/ppb	590 "J"	244	< 9.9	< 9.9	41	137	< 9.9	< 9.9	< 9.9	< 9.9	< 19.8	< 9.9	< 9.9	< 9.9	124	< 9.9	< 9.9	< 9.9	< 49.5	22 "J"	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9	< 9.9

NOTE: Bold = detects NS = NOT SAMPLED  
J Flag: Analyte detected between LOD and LOQ

= SOIL REMOVED BY REMEDIAL SOIL  
EXCAVATION AT A LATER DATE



**Table 1**  
**Post-Remediation Soil Quality Results - 2010 Remedial Soil Excavation**  
**Former Jacobus Bulk Plant - N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

	Area A														Area B							NR 720 RCL <sup>3</sup>	NR 746 Table 1/ Table 2 <sup>4</sup>
	Sidewall Samples			Base Sample											Base Samples								
	SW-1	SW-2	Base-1	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11	SW-12	SW-13	SW-14	Base-2	Base-3	Base-4	Base-5	Base-6	Base-7		
Sample Location:	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4		
Sample Depth (feet bgs):	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4		
Date:	12/15/10	12/15/10	12/15/10	12/16/10	12/16/10	12/16/10	12/15/10	12/15/10	12/15/10	12/15/10	12/15/10	12/15/10	12/16/10	12/16/10	12/16/10	12/16/10	12/16/10	12/15/10	12/15/10	12/15/10	12/15/10		
<b>PVOCs + Naphthalene</b>																							
Benzene	222	46	125	223	158	6,100 *	4,100 *	21,000 *	122,000 *	140	530	162	480	134	460	63	18,400 *	8,400 *	6,500 *	8,000 *	1,390 *		
Ethylbenzene	88	38	82	420	68	64,000	29,100	164,000	330,000	69	6,500	63	4,100	87	2,000	28.2	56,000	29,400	49,000	36,000	4,000		
Methyl-tert-butyl-ether	<25	<25	<25	<25	<25	<250	<250	<1,250	<1,250	<25	<250	<25	<250	<25	<250	<25	<250	<250	<250	<250	<250		
Naphthalene	<25	124	45	2,680	<25	82,000	38,000	138,000	115,000	<25	9,600	<25	8,100	57	4,800	<25	63,000	19,300	18,600	24,200	3,900		
Toluene	460	124	211	480	360	14,000	6,100	390,000	820,000	289	2,010	308	880	153	610	129	6,000	6,600	6,100	85,000	12,600		
1,2,4-Trimethylbenzene	123	63	90	1,200	96	303,000	122,000	890,000	940,000	88	45,000	79	21,800	213	6,600	<25	168,000	71,000	111,000	127,000	10,800		
1,3,5-Trimethylbenzene	57	<25	42	294	36	108,000	56,000	340,000	360,000	26.2	21,600	26.2	9,900	83	1,170	<25	51,000	25,200	33,000	41,000	3,500		
Xylenes (total)	470	76	317	1,220	330	294,900	121,800	1,470,000	2,480,000	289	45,300	277	22,200	308	7,880	130	126,600	79,700	130,800	228,000	24,000		

	Area C														NR 720 RCL <sup>3</sup>	NR 746 Table 1/ Table 2 <sup>4</sup>			
	Sidewall Samples										Base Samples								
	SW-15	SW-16	SW-17	SW-18	SW-19	SW-20	SW-21	SW-22	SW-23	SW-24	SW-25	SW-26	Base-8	Base-9			Base-10	Base-11	Base-12
Sample Location:	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4
Sample Depth (feet bgs):	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4
Date:	12/20/10	12/20/10	12/22/10	12/17/10	12/16/10	12/16/10	12/16/10	12/16/10	12/16/10	12/16/10	12/17/11	12/20/11	12/20/10	12/20/10	12/17/10	12/16/10	12/16/10	12/16/10	12/16/10
<b>PVOCs + Naphthalene</b>																			
Benzene	<25	<250	1,430 *	56,000 *	70	1,160 *	10,300 *	101	295,000 *	12,100 *	165	350	98	1,770 *	3,060 *	12,600 *	161,000 *	254,000 *	350,000 *
Ethylbenzene	1,150	9,200	3,120	107,000	35	1,590	59,000	208	308,000	41,000	184	3,800	2,370	8,100	42,000	50,000	259,000	320,000	390,000
Methyl-tert-butyl-ether	<25	<250	<25	<250	<25	<250	<1,250	<25	<1,250	<250	<25	<25	<25	<250	<250	<250	<1,250	<1,250	<2,500
Naphthalene	670	2,590	950	64,000	48	1,290	57,000	<25	91,000	71,000	147	460	1,300	4,600	84,000	112,000	65,000	127,000	120,000
Toluene	62	1,110	320	75,000	135	810	85,000	114	26,900	8,900	540	110	152	1,310	6,100	6,800	1,170,000	1,250,000	1,770,000
1,2,4-Trimethylbenzene	3,300	12,900	4,800	194,000	66	7,800	360,000	309	460,000	198,000	470	280	3,400	17,100	134,000	135,000	450,000	680,000	600,000
1,3,5-Trimethylbenzene	580	1,100	670	81,000	<25	2,560	132,000	95	149,000	49,000	253	248	870	1,010	36,000	39,000	143,000	233,000	205,000
Xylenes (total)	460	6,470	3,660	134,000	128	9,590	690,000	757	1,270,000	92,000	1,420	595	839	9,960	29,800	94,100	1,430,000	1,720,000	2,010,000

- Notes:
1. µg/kg = micrograms per kilogram (equivalent to parts per billion, ppb)
  2. NR 720 RCL = Wisconsin Administrative Code, Chapter NR 720 generic Residual Contaminant Level.
  3. NR 746 Table 1/Table 2 = Wisconsin Administrative Code, Chapter NR 746 Table 1 ("Indicators of Residual Petroleum Hydrocarbon Product in Soil Pores") Soil Screening Levels / Table 2 ("Protection of Human Health from Direct Contact with Contaminated Soil") values
  4. NS = no standard established
  5. Exceedances:
    - box = Concentration exceeds NR 746 Table 1 value
    - \* = Concentration exceeds NR 746 Table 2 value
    - bold, italics** = Concentration exceeds NR 720 generic RCL

**|** = SOIL REMOVED BY REMEDIAL SOIL  
 EXCAVATION AT A LATER DATE

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-1 Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
11/02/1990	[ 1,140 ]	( 200 )	---	105	---	200	[ 330 ]	NA	---	---	---	---	---	---	---	---
10/29/1991	[ 661 ]	88	---	91	---	( 1,740 )	[ 150 ]	( 3 )	---	---	---	---	---	---	---	---
03/26/1992	[ 490 ]	35	---	61	---	( 650 )	( 76 )	( 5.0 )	---	---	---	---	---	---	---	---
06/11/1992	[ 550 ]	20	---	20	---	( 1,200 )	[ 140 ]	( 7.5 )	---	---	---	---	---	---	---	---
08/11/1992	[ 600 ]	10	---	48	---	( 950 )	( 85 )	( 14.0 )	---	---	---	---	---	---	---	---
12/08/1992	[ 420 ]	40	---	120	---	[ 2,300 ]	[ 100 ]	( 2.0 )	---	---	---	---	---	---	---	---
03/31/1993	[ 700 ]	38	---	71	---	( 1,100 )	[ 250 ]	( 5.0 )	---	---	---	---	---	---	---	---
06/24/1993	[ 460 ]	50	---	57	---	( 1,100 )	( 23 )	( 5.0 )	---	---	---	---	---	---	---	---
09/29/1993	[ 530 ]	50	---	( 670 )	---	( 1,400 )	[ 250 ]	( 7.7 )	---	---	---	---	---	---	---	---
02/29/1996	[ 791 ]	< 10	< 10	< 10	( 203 )	( 594 )	[ 256 ]	NA	78	42	<10	34	<10	<10	<50	43
07/17/1998	[ 480 ]	78	25	30	( 430 )	( 492 )	[ 220 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 380 ]	( 190 )	<9.2	70	( 770 )	( 1,400 )	[ 230 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	[ 175 ]	89.3	<1.00	90.9	( 429 )	( 969 )	[ 134 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 44.0 ]	11.4	<5.11	11.0	56.6	187	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 1,130 ]	( 253 )	( 49.5 )	67.0	( 239.9 )	( 553 )	<80.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																
10/11/2005	[ 75 ]	24	<0.92	14	54	110	( 13 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 98 ]	97	<1.2	24.0	( 230 )	310	( 91 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	[ 17 ]	16	<0.23	3.0	40	54	( 16 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 91 ]	74	<0.23	22	( 176 )	240	( 81 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 278 ]	101	<31	75	( 254 )	( 572 )	( 68 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	( 1.31 )	1.41 "J"	<0.49	<0.86	2.87 "J"	3.68 "J"	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 540 ]	( 230 )	<5	118	( 532 )	( 934 )	[ 253 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in December 2010/January 2011 and June 2011																
07/19/2011	[ 86 ]	46	<0.47	17.9	88.6	125	( 43 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 39 ]	35	<0.8	7.2	75	126.8	( 20.3 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JMW-1 -- all concentrations were reported below the laboratory detection limits, except for 1-methylnaphthalene [39 µg/L, no NR 140 standards established], 2-methylnaphthalene [51 µg/L, no NR 140 standards established], and pyrene [4.9 µg/L, which is below NR 140 PAL of 50 µg/L].

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-1D Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/28/1996	( 3.1 )	3.6	<0.2	<0.2	22	4.3	<0.3	NA	<0.2	2.8	0.9	<0.2	0.9	<0.2	<1.0	1.0
07/16/1998	( 0.6 "J" )	<0.30	<0.20	<0.20	<0.30	<0.60	<0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 13 ]	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	[ 33.8 ]	1.60	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 60.1 ]	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 730 ]	( 614 )	[ 242 ]	( 289 )	[ 2,195 ]	[ 4,510 ]	[ 740 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	[ 240 ]	<1.1	<1.2	<0.55	<2.15	<2.0	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/05 Dup	270	<1.1	<1.2	<0.55	<2.15	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	( 3.7 )	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	[ 34 ]	0.50 "J"	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 1,300 ]	4.6	<0.23	0.58	11	0.70 "J"	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	[ 190 ]	<1.1	<1.2	<0.55	<2.15	<2.0	<0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 12,900 ]	4.5	<0.7	1.97	5.7	5.4	<1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	[ 4,600 ]	<46	<42	<53	<1.13	<1.58	<140	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	[ 2,910 ]	50 "J"	<24.5	<43	<64.5	93 "J"	<60	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 980 ]	<27.5	<12.5	<36	<60	<81	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	( 1.59 )	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 127 ]	<0.78	<0.8	<0.53	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-1D - - all concentrations were reported below the laboratory detection limits.

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-1D - - all concentrations were reported below the laboratory detection limits.

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-2 Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
11/02/1990	[ 14,800 ]	( 481 )	---	[ 4,210 ]	---	100	( 15 )	NA	---	---	---	---	---	---	---	---
10/29/1991	[ 7,180 ]	( 390 )	---	[ 912 ]	---	( 1,520 )	( 63 )	( 3.0 )	---	---	---	---	---	---	---	---
03/26/1992	[ 3,300 ]	50	---	( 500 )	---	( 460 )	( 13 )	( 5.0 )	---	---	---	---	---	---	---	---
06/11/1992	[ 7,300 ]	( 510 )	---	[ 3,400 ]	---	( 500 )	( 5 )	( 8.8 )	---	---	---	---	---	---	---	---
08/11/1992	[ 14,000 ]	( 500 )	---	( 500 )	---	( 1,000 )	( 5 )	( 14.0 )	---	---	---	---	---	---	---	---
12/08/1992	[ 1,800 ]	90	---	( 300 )	---	( 1,400 )	[ 100 ]	( 2.0 )	---	---	---	---	---	---	---	---
03/31/1993	[ 1,600 ]	( 340 )	---	91	---	( 600 )	( 15 )	( 5.0 )	---	---	---	---	---	---	---	---
06/24/1993	[ 1,700 ]	( 230 )	---	88	---	( 400 )	( 14 )	( 7.9 )	---	---	---	---	---	---	---	---
09/29/1993	[ 8,700 ]	( 890 )	---	[ 1,300 ]	---	( 1,600 )	( 29 )	[ 35 ]	---	---	---	---	---	---	---	---
02/29/1996	[ 96 ]	123	<0.5	27	( 97 )	328	( 12 )	NA	<0.5	8.6	0.5 "J"	3.9	<0.5	<0.2	<1.0	12
07/17/1998	[ 4,800 ]	( 400 )	<2.0	( 210 )	( 96 )	( 690 )	( 25 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 370 ]	72	<9.2	<8.2	32	<14	( 16 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	[ 2,190 ]	( 463 )	<1.00	( 202 )	81.72	362	( 13.0 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	( 2.33 )	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
2/04 Dup #1	1.58	<5.00	<0.511	<5.00	<10.00	<5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 2,080 ]	51.5	( 14.3 )	33.6	<50.0	27.4	<40.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	[ 260 ]	5.9	<1.2	2.6	1.8 "J"	2.0 "J"	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 670 ]	56	<1.2	11	2.3 "J"	120	<2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 170 ]	9.3	<0.23	0.51	1.9	0.41 "J"	0.99 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	[ 44 ]	2.0	<0.23	0.32 "J"	0.83 "J"	<0.39	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 1,800 ]	54	<31	82	<71	<92.5	<44	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	<0.4	<0.65	<0.49	<0.86	<1.49	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 45 ]	2.1	<0.25	1.49 "J"	1.49 "J"	1.49 "J"	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	[ 227 ]	15.1	<0.47	7.0	2.4 "J"	10.09 "J"	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 5.0 ]	<0.78	<0.8	<0.53	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-2 -- all concentrations were reported below the laboratory detection limits, except for benzo(b)fluoranthene [0.060 µg/L, which is below NR 140 ES of 0.2 µg/L] and benzo(k)fluoranthene [0.11 µg/L, no NR 140 standards established].

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-2 -- all concentrations were reported below the laboratory detection limits.



**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-2D	JACOBUS PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	0.4	<0.2	<0.2	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	<0.20	<0.20	<0.20	<0.20	<0.30	<0.30	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 7.5 ]	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	( 0.741 )	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	( 0.610 )	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 8.93 ]	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	( 1.9 )	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	[ 33 ]	11.4	<0.42	2.1	<1.13	10.5	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	( 3.5 )	0.68 "J"	<0.49	<0.86	<1.49	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	( 0.80 "J" )	<0.55	<0.25	<0.72	<1.20	<1.62	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	<0.5	<0.78	<0.8	<0.53	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-2D -- all concentrations were reported below the laboratory detection limits

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-2D -- all concentrations were reported below the laboratory detection limits.

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-3 Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl- benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naph- thalene	Dissolved Lead	Di-isopropyl ether	n-Butyl- benzene	sec-Butyl- benzene	Isopropyl- benzene	p-Isopropyl- toluene	Chloro- benzene	Chloro- ethane	n-Propyl- benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	NS	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	NS	NS
11/02/1990	[ 59,200 ]	[ 3,890 ]	---	[ 52,300 ]	---	[ 18,350 ]	[ 220 ]	NA	---	---	---	---	---	---	---	---
10/29/1991	[ 31,000 ]	[ 3,380 ]	---	[ 46,900 ]	---	[ 24,900 ]	[ 400 ]	( 8.0 )	---	---	---	---	---	---	---	---
03/26/1992	[ 32,000 ]	[ 9,200 ]	---	[ 69,000 ]	---	[ 27,000 ]	[ 200 ]	[ 16.0 ]	---	---	---	---	---	---	---	---
06/11/1992	[ 36,000 ]	[ 9,000 ]	---	[ 35,000 ]	---	[ 7,100 ]	( 79 )	( 13.0 )	---	---	---	---	---	---	---	---
08/11/1992	[ 42,000 ]	[ 5,000 ]	---	[ 34,000 ]	---	[ 8,600 ]	( 48 )	( 9.9 )	---	---	---	---	---	---	---	---
12/08/1992	[ 8,100 ]	[ 1,200 ]	---	[ 1,700 ]	---	( 1,200 )	[ 100 ]	( 2.0 )	---	---	---	---	---	---	---	---
03/31/1993	[ 11,000 ]	[ 3,800 ]	---	[ 29,000 ]	---	[ 18,000 ]	[ 210 ]	( 7.8 )	---	---	---	---	---	---	---	---
06/24/1993	[ 9,500 ]	[ 3,200 ]	---	[ 26,000 ]	---	[ 16,000 ]	[ 220 ]	[ 16 ]	---	---	---	---	---	---	---	---
09/29/1993	[ 12,000 ]	[ 2,900 ]	---	[ 24,000 ]	---	[ 22,000 ]	[ 210 ]	[ 33 ]	---	---	---	---	---	---	---	---
02/29/1996	[ 1,970 ]	[ 3,070 ]	<20	[ 9,740 ]	[ 2,777 ]	[ 14,600 ]	[ 303 ]	NA	53	266	<20	58	<20	<20	<100	259
07/16/1998	[ 420 ]	( 340 )	<4.0	130	[ 540 ]	( 1,010 )	( 78 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 41 ]	( 220 )	<2.3	36	( 410 )	( 1,000 )	( 31 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/01 Dup #1	150	250	<92	<82	460	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	[ 100 ]	136	( 16.5 )	44.2	( 297 )	374	<100	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 316 ]	( 216 )	4.62	115	( 149.2 )	( 551 )	( 18.0 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 107 ]	23.0	1.75	5.58	17.2	49.8	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																
10/11/2005	( 76 )	( 140 )	<2.3	51	( 144 )	( 450 )	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 6.7 ]	40	<1.2	6.5	( 147 )	190	3.1 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
1/06 Dup	6.6	39	<1.2	5.6	162	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	0.40 "J"	0.35 "J"	<0.23	<0.11	0.81 "J"	1.2 "J"	0.93 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/06 Dup	0.35 "J"	0.22 "J"	<0.23	<0.11	0.79 "J"	1.1 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 280 ]	44	<0.23	3.1	34.8	52	1.3 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 410 ]	( 163 )	<31	25	( 367 )	( 720 )	<44	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	[ 1,510 ]	50	<4.9	<8.6	13.3 "J"	47	<12	<0.7	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 101 ]	12.5 "J"	<2.5	<7.2	14 "J"	36 "J"	<24	<0.7	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in December 2010/January 2011 and June 2011																
07/19/2011	[ 2,490 ]	94	<4.7	12 "J"	19.2 "J"	22.3 "J"	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 160 ]	<39	<40	<26.5	54 "J"	105 "J"	<105	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-3 - - all concentrations were reported below the laboratory detection limits, except for benzo(b)fluoranthene [0.062 µg/L, which is below NR 140 ES of 0.2 µg/L] and phenanthrene [1.6 µg/L, no NR 140 standards established].

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-3D Sample Date	JACOBUS PARCEL															
	Benzene	Ethylbenzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Chlorobenzene	Chloroethane	n-Propylbenzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	<0.2	<0.2	<0.2	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	<0.20	<0.30	<0.20	<0.20	<0.30	<0.60	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	( 1.6 )	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	( 1.09 )	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	[ 1,200 ]	5.1	1.4	0.26 "J"	1.8	0.40 "J"	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 150 ]	0.56 "J"	<0.78	<0.22	1.0 "J"	<0.78	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	[ 97 ]	0.48 "J"	<0.46	<0.22	1.4 "J"	<0.78	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 1,600 ]	6.2	2.6	0.44	2.5	0.41 "J"	0.59 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	[ 76 ]	0.35 "J"	0.71 "J"	<0.11	<0.44	<0.39	<0.41	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/07 Dup	74	0.37 "J"	0.69 "J"	<0.11	<0.44	<0.39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 229 ]	<6.8	<6.2	<4.6	<14.2	<18.5	<8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	[ 204 ]	1.57	0.43	<0.53	2.32	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	[ 4,300 ]	13.7 "J"	<9.8	<17.2	<29.8	<43	<24	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 1,840 ]	<27.5	<12.5	<36	<60	<81	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	[ 145 ]	<19.6	<9.4	<17.8	<54	<64	<40	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 370 ]	<7.8	<8	<5.3	<15.4	<19	<21	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-3D - - all concentrations were reported below the laboratory detection limits, except for benzo(b)fluoranthene [0.051 µg/L, which is below NR 140 ES of 0.2 µg/L].

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-3D - - all concentrations were reported below the laboratory detection limits.

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JPZ-3		JACOBUS PARCEL														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	[ 366 ]	75	<2.0	[ 1,300 ]	71	( 1,063 )	4.5	NA	7.1	4.0	<2.0	<2.0	<2.0	<2.0	<10	<2.0
07/17/1998	[ 340 ]	130	<20	[ 940 ]	100	( 920 )	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JPZ-3 - - all concentrations were reported below the laboratory detection limits.

JMW-4		JACOBUS PARCEL														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
11/02/1990	[ 22,500 ]	[ 1,460 ]	---	[ 11,600 ]	---	[ 13,720 ]	[ 870 ]	NA	---	---	---	---	---	---	---	---
10/29/1991	[ 13,700 ]	[ 3,410 ]	---	[ 1,280 ]	---	[ 20,000 ]	[ 830 ]	( 11 )	---	---	---	---	---	---	---	---
03/26/1992	[ 1,600 ]	[ 5,500 ]	---	[ 9,100 ]	---	[ 15,000 ]	[ 880 ]	[ 34 ]	---	---	---	---	---	---	---	---
06/11/1992	[ 1,300 ]	( 500 )	---	( 500 )	---	[ 7,400 ]	[ 420 ]	[ 23 ]	---	---	---	---	---	---	---	---
08/11/1992	[ 22,000 ]	[ 26,000 ]	---	[ 5,000 ]	---	[ 100,000 ]	[ 170,000 ]	( 12 )	---	---	---	---	---	---	---	---
12/08/1992	[ 12,000 ]	( 650 )	---	[ 2,100 ]	---	[ 13,000 ]	[ 100 ]	[ 19 ]	---	---	---	---	---	---	---	---
03/31/1993	[ 37,000 ]	[ 41,000 ]	---	[ 10,000 ]	---	[ 160,000 ]	[ 970 ]	[ 24 ]	---	---	---	---	---	---	---	---
06/24/1993	[ 14,000 ]	[ 2,900 ]	---	[ 1,400 ]	---	[ 13,000 ]	[ 870 ]	[ 24 ]	---	---	---	---	---	---	---	---
09/29/1993	[ 16,000 ]	[ 2,200 ]	---	[ 1,000 ]	---	[ 9,800 ]	[ 690 ]	[ 58 ]	---	---	---	---	---	---	---	---
02/29/1996	[ 7,470 ]	<200	<200	<200	[ 2,940 ]	[ 2,570 ]	<300	NA	<200	1,230	<200	<200	<200	<20	<100	<200
2/96 Dup	8,640	<200	<200	<200	6,517	4,520	446	NA	<200	2,220	<200	<200	334	<20	<100	<200
07/16/1998	[ 2,000 ]	( 390 )	<20	<20	[ 1,880 ]	( 1,500 )	[ 190 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 3,700 ]	( 520 )	<230	<210	[ 1,660 ]	( 1,800 )	<350	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/01 Dup #2	3,400	550	<23	60 "J"	1,850	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	[ 4,060 ]	[ 1,350 ]	<200	<500	[ 23,520 ]	[ 5,420 ]	[ 34,300 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 1,940 ]	( 530 )	<51.1	72.2	[ 3,193 ]	[ 2,060 ]	[ 739 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005 - monitoring well JMW-4 abandoned on 9/26/05																

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-4 - - all concentrations were reported below the laboratory detection limits, except for 1-methylnaphthalene [140 µg/L, no NR 140 standards established], 2-methylnaphthalene [130 µg/L, no NR 140 standards established], fluoranthene [27 µg/L, which is below the NR 140 PAL of 80 µg/L], fluorene [14 µg/L, which is below the NR 140 PAL of 80 µg/L], and phenanthrene [15 µg/L, no NR 140 standards established].

JMW-4D		JACOBUS PARCEL														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	( 0.6 )	<0.2	<0.20	<0.2	0.6 "J"	0.9 "J"	<0.3	NA	1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	( 0.6 "J" )	<0.30	<0.20	<0.20	<0.30	<0.60	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 310 ]	10	( 12 "J" )	6.9 "J"	20.9	61	<6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	[ 14.9 ]	<0.500	6.68	<0.500	<2.00	3.78	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/03 Dup #2	17.3	<0.500	8.41	0.648	1.07	5.09	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 18.0 ]	<5.00	2.58	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 1,940 ]	<50.0	[ 111 ]	<50.0	<100.0	<50.0	<80.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/04 Dup #1	1,840	8.20	84.3	14.1	8.12	12.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005 - monitoring well JMW-4D abandoned on 9/26/05																

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-4D - - all concentrations were reported below the laboratory detection limits.



**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JPZ-4		JACOBUS PARCEL														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	[ 1,860 ]	( 587 )	<10	( 189 )	[ 1,586 ]	[ 3,269 ]	[ 345 ]	NA	22.0	264	<10	13	<10	<10	<50	53
07/17/1998	[ 520 ]	120	( 12 )	8.0	( 306 )	148	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005 - sump JPZ-4 abandoned on 9/26/05																

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JPZ-4 -- all concentrations were reported below the laboratory detection limits, except for 1-methylnaphthalene [54 µg/L, no NR 140 standards established], 2-methylnaphthalene [13 µg/L, no NR 140 standards established], fluoranthene [23 µg/L, which is below NR 140 PAL of 80 µg/L], phenanthrene [11 µg/L, no NR 140 standards established], and pyrene [57 µg/L, which is below NR 140 ES of 250 µg/L].

JMW-5		JACOBUS PARCEL														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	[ 5.5 ]	<0.2	---	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	( 3.7 )	<0.30	<0.20	<0.20	<0.6	<0.90	<0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																
10/11/2005	( 3.0 )	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
01/09/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	( 0.72 "J" )	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in December 2010/January 2011 and June 2011																
07/19/2011	<0.49	<0.98	<0.47	1.39 "J"	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-5 -- all concentrations were reported below the laboratory detection limits.

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-6 Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl- benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naph- thalene	Dissolved Lead	Di-isopropyl ether	n-Butyl- benzene	sec-Butyl- benzene	Isopropyl- benzene	p-Isopropyl- toluene	Chloro- benzene	Chloro- ethane	n-Propyl- benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	<0.2	<0.2	<0.2	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	<0.20	<0.30	<0.20	<0.20	<0.30	<0.60	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	<0.21	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	<0.25	<0.22	<0.23	0.18 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	<1.4	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	<0.25	<0.22	<0.23	0.12 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	<0.25	<0.22	<0.23	0.17 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-6 -- all concentrations were reported below the laboratory detection limits, except for benzo(b)fluoranthene [0.14 µg/L, which is below NR 140 ES of 0.2 µg/L] and pyrene [0.046 µg/L, which is below NR 140 PAL of 50 µg/L].

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-6D Sample Date	JACOBUS PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/29/1996	[ 30 ]	<0.2	<0.2	<0.2	0.6	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2
07/16/1998	[ 16 ]	<0.30	8.2	0.60 "J"	<0.60	<0.90	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/98 Dup	17	<0.30	8.6	0.60 "J"	<0.60	<0.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 23 ]	<0.22	( 33 )	0.89 "J"	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in July 2003</b>																
08/22/2003	[ 28.1 ]	1.76	( 41.8 )	5.87	<2.00	2.68	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/26/2004	[ 24.9 ]	<5.00	( 40.2 )	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 48.9 ]	<5.00	( 34.0 )	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	[ 86 ]	0.51 "J"	( 40 )	0.93	0.42 "J"	1.5	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 120 ]	1.2 "J"	( 48 )	3.5	<0.88	2.5 "J"	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	[ 13 ]	<0.22	( 32 )	0.45	0.58 "J"	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 170 ]	1.2	( 38 )	2.0	0.47 "J"	2.2	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/06 Dup	200	1.0 "J"	34	1.7	<1.76	2.1 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	[ 430 ]	0.67 "J"	( 28 )	2.3	0.42 "J"	1.9	<0.42	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	[ 1,400 ]	1.62	( 25.8 )	17.1	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	[ 143 ]	<7.6	( 14.6 )	6.1	<11.3	<15.8	<14	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	[ 3,300 ]	<13	( 16.4 "J" )	<17.2	<29.8	<43	<24	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	[ 3,600 ]	<27.5	( 24 "J" )	<36	<60	<81	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	[ 288 ]	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 9,800 ]	<39	<40	<26.5	<77	<95	<105	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	[ 7,100 ]	<23	<28.5	<24	50 "J"	<72.5	[ 127 "J" ]	NA	NA	NA	NA	NA	NA	NA	NA	NA
4/12 Dup	7,400	<23	<28.5	<24	44 "J"	<72.5	118 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	[ 9,500 ]	<23	<28.5	<24	<78.5	<72.5	<115	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/12 Dup	9,400	<23	<28.5	<24	<78.5	<72.5	<115	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-6D -- all concentrations were reported below the laboratory detection limits

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-6D -- all concentrations were reported below the laboratory detection limits

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-7	OFF-SITE																
	Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
	NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
	NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
	07/16/1998	[ 15.000 ]	<200	<200	( 200 "J" )	<200	<300	<0.23	NA	<300	<300	<200	<200	<200	<300	<800	<200
	10/02/2001	( 1.9 )	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																	
	08/22/2003	[ 51.3 ]	<0.500	<0.200	<0.500	<2.00	<0.500	3.26	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/2004	[ 144 ]	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																	
	10/11/2005	[ 28 ]	0.73 "J"	<0.23	<0.11	<0.44	<0.50	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/09/2006	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
	04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/10/2006	[ 240 ]	<0.22	<0.23	1.4	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/15/2007	[ 16 ]	<0.22	<0.23	<0.11	<0.44	<0.39	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/08/2008	( 4 )	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/29/2010	<0.4	<0.65	<0.49	<0.86	<1.49	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/2010	[ 840 ]	<27.5	<12.5	<36	<60	<81	<120	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in December 2010/January 2011 and June 2011																	
	07/19/2011	[ 210 ]	<0.98	<0.47	1.06 "J"	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/2011	[ 11.2 ]	<0.78	<0.8	<0.53	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: PAHs (Method 8310) analyzed on 7/16/98 at JMW-7 -- all concentrations were reported below the laboratory detection limits, except for benz(b)fluoranthene [0.032 µg/L, which is below NR 140 ES of 0.2 µg/L] and pyrene [0.032 µg/L, which is below NR 140 PAL of 50 µg/L].

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JMW-7 -- all concentrations were reported below the laboratory detection limits

JMW-8	OFF-SITE																
	Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
	NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
	NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
Remedial soil excavation work completed in July 2003																	
	08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	02/26/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																	
	10/11/2005	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/09/2006	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
	04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in December 2010/January 2011 and June 2011																	
	07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-8D		OFF-SITE														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
01/09/2006	<0.25	<0.22	<0.37	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/06/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	0.56 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	[ 23.7 ]	<0.98	2.64	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	[ 12.1 ]	<0.78	0.95 "J"	<0.53	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

JMW-9		OFF-SITE														
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	( 2.3 "J" )	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
01/09/2006	<0.25	<0.22	<0.23	0.26 "J"	<0.44	<0.39	<0.50	<1.4	NA	NA	NA	NA	NA	NA	NA	NA
04/07/2006	<0.25	<0.22	<0.23	0.19 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-10 OFF-SITE																
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	( 0.72 )	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	<0.50
01/09/2006	<0.80	<2.0	<2.0	<0.80	<1.60	<2.0	<1.0	NA	<2.0	<0.80	<1.0	<0.80	<0.80	<0.80	<4.0	<2.0
04/07/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	<0.25	2.7	<0.23	<0.11	3.7	7.1	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	NA	NA	NA	NA	NA	NA	NA	<0.7	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	NA	NA	NA	NA	NA	NA	NA	<0.7	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note 1: 1,2-dichloroethane was reported at 8.4 µg/L on 10/11/05, which exceeds the NR 140 ES of 5 µg/L. 1,2-dichloroethane was reported below the laboratory detection limit of 2.0 µg/L on 1/9/06.

JMW-10D OFF-SITE																
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
<b>Remedial soil excavation work completed in September 2005</b>																
10/11/2005	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
01/09/2006	<0.25	<0.22	<0.23	0.13 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/07/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/29/2010	<0.4	<0.65	<0.49	<0.86	1.53 "J"	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/27/2010	<0.38	<0.55	<0.25	<0.72	<1.20	<1.62	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-11D	OFF-SITE																
	Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
	NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
	NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
	12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/29/2010	<0.4	<0.65	<0.49	<0.86	<1.49	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/2010	<0.38	<0.55	<0.25	<0.72	<1.20	<1.62	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Remedial soil excavation work completed in December 2010/January 2011 and June 2011																
	07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

NORTH SUMP	JACOBUS PARCEL																
	Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
	NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
	NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
	Remedial soil excavation work completed in September 2005																
	10/11/2005	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	01/09/2006	[ 17 ]	<0.50	2.6	0.35 "J"	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50
	04/07/2006	[ 5,200 ]	110	( 51 "J" )	( 270 )	92 "J"	( 1,200 )	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/10/2006	[ 180 ]	<0.22	6.8	1.6	<0.44	13	0.82 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA
	08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	03/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Remedial soil excavation work completed in December 2010/January 2011 and June 2011																
	07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

SOUTH SUMP		JACOBUS PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
<b>Remedial soil excavation work completed in September 2005</b>																	
10/11/2005	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
01/09/2006	[ 600 ]	20	<4.0	65	16.3	160	3.9 "J"	( 3.3 "J" )	<4.0	<1.6	<2.0	<1.6	<1.6	<1.6	<8.0	<4.0	
04/07/2006	[ 7,100 ]	( 380 )	<23	[ 3,800 ]	( 142 "J" )	[ 2,800 ]	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/10/2006	[ 1,200 ]	26	<2.3	32	56	390	( 13 "J" )	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/15/2007	[ 43 ]	2.1	<0.23	0.21 "J"	0.94	<0.39	<0.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/08/2008	( 0.64 )	<0.68	<0.62	<0.46	<1.42	<1.85	<0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03/09/2009	( 2.22 )	2.56	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/29/2010	( 3.9 )	<0.65	<0.49	<0.86	<1.49	<2.15	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/27/2010	( 3 )	<0.55	<0.25	<0.72	<1.20	<1.62	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																	
07/19/2011	[ 45 ]	2.49 "J"	<0.47	1.61 "J"	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/07/2011	[ 24.1 ]	1.24 "J"	<0.8	0.60 "J"	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/11 Dup	48	2.52	<0.8	1.03 "J"	<1.54	<1.9	<2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note 1: PAHs (Method 8310) analyzed on 8/15/07 at South Sump - - all concentrations were reported below the laboratory detection limits

BASEMENT SUMP		OFF-SITE															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
08/15/2007	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note 1: PAHs (Method 8310) analyzed on 8/15/07 at Basement Sump - - all concentrations were reported below the laboratory detection limits

JCMW-1		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
11/02/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10/29/1991	[ 15 ]	12	---	41	---	87	1.5	( 3 )	---	---	---	---	---	---	---	---	
03/26/1992	( 0.5 )	<0.5	---	5	---	<0.5	<5	( 5.0 )	---	---	---	---	---	---	---	---	
06/11/1992	[ 17 ]	<0.5	---	<0.5	---	<0.5	<5	( 9.8 )	---	---	---	---	---	---	---	---	
08/11/1992	( 2.5 )	<0.5	---	<0.5	---	1.2	<5	( 11.0 )	---	---	---	---	---	---	---	---	
12/08/1992	<1	<1	---	<1	---	<1	[ 100 ]	( 2.0 )	---	---	---	---	---	---	---	---	
03/31/1993	( 3.9 )	<0.5	---	<0.5	---	0.65	<3	( 5.0 )	---	---	---	---	---	---	---	---	
06/24/1993	( 3.7 )	<0.5	---	<0.5	---	<0.5	<3	( 8.8 )	---	---	---	---	---	---	---	---	
09/29/1993	( 0.5 )	<0.5	---	0.74	---	<0.5	<3	( 5.0 )	---	---	---	---	---	---	---	---	
02/28/1996	<0.2	<0.2	<0.2	<0.2	0.5 "J"	<0.6	<0.3	NA	<0.2	0.7	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	
Well abandoned 7/17/98																	



**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JCMW-2		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
11/02/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10/29/1991	[ 21,500 ]	[ 1,190 ]	---	[ 15,800 ]	---	[ 7,390 ]	[ 220 ]	( 3 )	---	---	---	---	---	---	---	---	
03/26/1992	[ 16,000 ]	[ 1,500 ]	---	[ 13,000 ]	---	[ 3,800 ]	[ 110 ]	( 7.0 )	---	---	---	---	---	---	---	---	
06/11/1992	[ 24,000 ]	[ 1,400 ]	---	[ 18,000 ]	---	[ 8,400 ]	( 79 )	( 8.9 )	---	---	---	---	---	---	---	---	
Well abandoned																	

JCMW-2R		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
Remedial soil excavation work completed in July 2003																	
08/22/2003	[ 22,300 ]	[ 1,950 ]	[ 190 ]	[ 15,500 ]	[ 1,382 ]	[ 9,740 ]	[ 261 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/27/2004	[ 17,500 ]	[ 2,320 ]	[ 278 ]	[ 14,700 ]	[ 2,408 ]	[ 11,000 ]	[ 433 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/19/2004	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Remedial soil excavation work completed in September 2005 - monitoring well JCMW-2R abandoned on 9/26/05																	

JCMW-3		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
11/02/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
10/29/1991	[ 25,500 ]	( 494 )	---	[ 24,000 ]	---	[ 10,200 ]	[ 510 ]	( 5 )	---	---	---	---	---	---	---	---	
03/26/1992	[ 18,000 ]	[ 900 ]	---	[ 17,000 ]	---	[ 4,600 ]	[ 350 ]	[ 15 ]	---	---	---	---	---	---	---	---	
06/11/1992	[ 35,000 ]	[ 2,400 ]	---	[ 32,000 ]	---	[ 12,000 ]	[ 330 ]	( 12 )	---	---	---	---	---	---	---	---	
08/11/1992	[ 28,000 ]	[ 5,000 ]	---	[ 31,000 ]	---	[ 11,000 ]	( 50 )	[ 19 ]	---	---	---	---	---	---	---	---	
12/08/1992	[ 2,400 ]	( 550 )	---	[ 1,400 ]	---	[ 7,700 ]	[ 100 ]	( 6 )	---	---	---	---	---	---	---	---	
03/31/1993	[ 24,000 ]	[ 2,300 ]	---	[ 24,000 ]	---	[ 12,000 ]	[ 410 ]	( 11 )	---	---	---	---	---	---	---	---	
06/24/1993	[ 23,000 ]	[ 2,100 ]	---	[ 25,000 ]	---	[ 12,000 ]	[ 410 ]	[ 15 ]	---	---	---	---	---	---	---	---	
09/29/1993	[ 24,000 ]	[ 2,100 ]	---	[ 22,000 ]	---	[ 11,000 ]	[ 570 ]	[ 15 ]	---	---	---	---	---	---	---	---	
02/28/1996	[ 23,600 ]	[ 11,100 ]	<500	[ 40,100 ]	[ 84,300 ]	[ 92,500 ]	[ 11,200 ]	NA	<500	30,300	3,920	<500	1,790	<40	[ 548 ]	5,880	
07/17/1998	[ 19,000 ]	[ 1,700 ]	<200	[ 12,000 ]	[ 1,700 ]	[ 10,100 ]	[ 580 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/02/2001	[ 130 ]	( 290 )	<23	88	[ 2,250 ]	[ 4,000 ]	[ 290 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Remedial soil excavation work completed in July 2003																	
08/22/2003	[ 318 ]	[ 1,840 ]	<100	( 271 )	[ 11,910 ]	[ 8,860 ]	[ 2,060 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
8/03 Dup #1	120	426	<10.0	27.8	2,376	3,070	385	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/27/2004	[ 434 ]	[ 1,390 ]	<256	( 334 )	[ 47,100 ]	[ 6,360 ]	[ 23,800 ]	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2/04 Dup #2	266	432	<256	<2,500	2,472	3,220	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/19/2004	FP	FP	FP	FP	FP	FP	FP	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Remedial soil excavation work completed in September 2005 - monitoring well JCMW-3 abandoned on 9/26/05																	

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JCMW-3 -- all concentrations were reported below the laboratory detection limits, except for 1-methylnaphthalene [150 µg/L, no NR 140 standards established], 2-methylnaphthalene [290 µg/L, no NR 140 standards established], phenanthrene [21 µg/L, no NR 140 standards established], and pyrene [4.9 µg/L, which is below NR 140 PAL of 50 µg/L].

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JCMW-4 Sample Date	CMC PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
11/02/1990	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10/29/1991	[ 36 ]	137	---	10	---	369	( 73 )	( 3 )	---	---	---	---	---	---	---	---
03/26/1992	[ 88 ]	( 210 )	---	50	---	330	[ 120 ]	( 5 )	---	---	---	---	---	---	---	---
06/11/1992	[ 260 ]	( 230 )	---	50	---	( 700 )	[ 100 ]	( 13 )	---	---	---	---	---	---	---	---
08/11/1992	[ 560 ]	( 310 )	---	( 610 )	---	( 850 )	5	[ 16 ]	---	---	---	---	---	---	---	---
12/08/1992	[ 65 ]	55	---	20	---	( 400 )	[ 100 ]	( 2 )	---	---	---	---	---	---	---	---
03/31/1993	[ 56 ]	( 160 )	---	14	---	340	( 83 )	( 5.9 )	---	---	---	---	---	---	---	---
06/24/1993	[ 55 ]	( 150 )	---	19	---	390	( 76 )	[ 15 ]	---	---	---	---	---	---	---	---
09/29/1993	[ 41 ]	( 150 )	---	13	---	230	( 70 )	( 8.8 )	---	---	---	---	---	---	---	---
02/28/1996	[ 16 ]	99	<2.0	<2.0	[ 1,094 ]	125	( 25 )	NA	<2.0	297	24	<2.0	19	<2.0	<10	45
07/17/1998	[ 20 ]	65	( 13 )	3.0	( 353 )	73	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/98 Dup	18	71	14	<2.0	377	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	[ 58 ]	92	<4.6	5.5 "J"	( 300 )	93	<6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	[ 27.5 ]	59.7	18.6	<2.50	( 232 )	76.4	( 42.2 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/27/2004	[ 12.1 ]	64.5	<2.56	5.70	( 301 )	77.5	( 33.7 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	[ 41.6 ]	28.8	( 13.5 )	<5.00	( 129.3 )	97.5	( 27.3 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
8/04 Dup #2	42.9	31.8	8.88	6.33	138.3	108	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005																
10/11/2005	[ 53 ]	72	<2.3	4.2	( 190 )	25	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
01/09/2006	[ 54 ]	8.3	<4.3	3.8	( 193.1 )	44	<8.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
04/07/2006	( 3.9 )	16	<0.46	0.56 "J"	( 198 )	49	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
07/10/2006	[ 170 ]	130	<2.8	88	( 340 )	380	( 22 )	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/15/2007	[ 47 ]	32	<0.46	4.5	42	50	1.4 "J"	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well abandoned by others

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JCMW-4 - - all concentrations were reported below the laboratory detection limits, except for acenaphthene [47 µg/L, no NR 140 standards established], chrysene [0.093 µg/L, which is below NR 140 ES of 0.2 µg/L], and pyrene [0.49 µg/L, which is below NR 140 PAL of 50 µg/L].

Note 2: PAHs (Method 8310) analyzed on 8/15/07 at JCMW-4 - - all concentrations were reported below the laboratory detection limits, except for acenaphthene [1.2 "J" µg/L, no NR 140 standards established], anthracene [0.56 µg/L, which is below the NR 140 PAL of 600 µg/L], fluoranthene [1.3 µg/L, which is below the NR 140 PAL of 80 µg/L], fluorene [3.8 µg/L, which is below the NR 140 PAL of 80 µg/L], 1-methylnaphthalene [16 µg/L, no NR 140 standards established], 2-methylnaphthalene [4.9 µg/L, no NR 140 standards established], naphthalene [1.4 "J" µg/L, which is below NR 140 PAL of 100 µg/L], phenanthrene [0.60 µg/L, no NR 140 standards established], and pyrene [0.84 µg/L, which is below NR 140 PAL of 50 µg/L].

JCMW-5 Sample Date	CMC PARCEL															
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS
02/28/1996	<0.2	<0.2	<0.2	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	0.2 "J"	<1.0	<0.2
07/17/1998	<0.2	<0.3	<0.2	<0.2	0.30 "J"	<0.9	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA
10/02/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in July 2003																
08/22/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/27/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
08/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Remedial soil excavation work completed in September 2005 - monitoring well JCMW-5 obstructed (not part of post-remediation groundwater monitoring well network)																

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JCMW-5 - - all concentrations were reported below the laboratory detection limits.

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JCMW-6		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
02/28/1996	<0.2	<0.2	<0.2	<0.2	<0.5	<0.6	<0.3	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1.0	<0.2	
07/17/1998	<0.20	<0.30	<0.20	<0.20	<0.60	<0.90	<0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/02/2001	<0.21	<0.22	<0.46	<0.41	<0.60	<0.69	<0.69	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in July 2003</b>																	
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/27/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in September 2005 - monitoring well JCMW-6 found to be destroyed (not part of post-remediation groundwater monitoring well network)</b>																	

Note 1: PAHs (Method 8310) analyzed on 7/17/98 at JCMW-6 - - all concentrations were reported below the laboratory detection limits.

JCMW-7		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
03/01/1996	[ 21 ]	89	<2.0	<2.0	( 362 )	( 600 )	[ 160 ]	NA	3.1	60	8.0	23	<2.0	<2.0	<10	38	

JCMW-8		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
<b>No information available in previous consultants' reports.</b>																	

JCMW-9		CMC PARCEL															
Sample Date	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	400	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	80	NS	
<b>Remedial soil excavation work completed in July 2003</b>																	
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/27/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in September 2005</b>																	
10/11/2005	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	[ 16 ]	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50	
01/09/2006	<0.25	<0.22	<0.23	0.22 "J"	<0.44	<0.39	<0.50	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	
04/07/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/08/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03/09/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Well abandoned by others prior to Sigma's December 2010 site work.																	

**Table 2**  
**Groundwater Quality Data**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JCMW-10 Sample Date	CMC PARCEL																
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	NS	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Remedial soil excavation work completed in July 2003</b>																	
08/22/2003	<0.500	<0.500	<0.200	<0.500	<2.00	<0.500	<2.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
02/27/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/19/2004	<0.500	<5.00	<0.511	<5.00	<10.00	<5.00	<8.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in September 2005</b>																	
10/11/2005	<0.25	<0.22	<0.23	0.17 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
01/09/2006	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50	
04/07/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/10/2006	<0.25	<0.22	<0.23	0.32 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																	
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

JCMW-10D Sample Date	CMC PARCEL																
	Benzene	Ethyl-benzene	MTBE	Toluene	Total TMB	Total Xylenes	Naphthalene	Dissolved Lead	Di-isopropyl ether	n-Butyl-benzene	sec-Butyl-benzene	Isopropyl-benzene	p-Isopropyl-toluene	Chloro-benzene	Chloro-ethane	n-Propyl-benzene	
NR 140 ES	5	700	60	800	480	2,000	100	15	NS	NS	NS	NS	NS	NS	NS	NS	
NR 140 PAL	0.5	140	12	160	96	400	10	1.5	NS	NS	NS	NS	NS	NS	NS	NS	
<b>Remedial soil excavation work completed in September 2005</b>																	
10/11/2005	<0.20	<0.50	<0.50	<0.20	<0.40	<0.50	<0.25	<1.4	<0.50	<0.20	<0.25	<0.20	<0.20	<0.20	<1.0	<0.50	
01/09/2006	<0.25	<0.22	<0.23	0.15 "J"	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04/07/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/10/2006	<0.25	<0.22	<0.23	<0.11	<0.44	<0.39	<0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
08/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12/08/2008	<0.49	<0.68	<0.62	<0.46	<1.42	<1.85	2.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	
03/09/2009	<0.45	<0.76	<0.42	<0.53	<1.13	<1.58	<1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
06/29/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/27/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>Remedial soil excavation work completed in December 2010/January 2011 and June 2011</b>																	
07/19/2011	<0.49	<0.98	<0.47	<0.89	<2.7	<3.2	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/07/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
04/30/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
07/23/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**Notes:**

- All results reported in micrograms per liter (µg/l) - equivalent to parts per billion (ppb)
- Analytical results prior to October 2001 are summarized from data tables generated by Montgomery Watson. Data for 12/8/08, 3/9/09, 6/29/10, and 9/27/10 sampling events from METCO as presented in November 4, 2010 letter update. "----" indicates that groundwater data not available to Sigma at this time of this report.
- Abbreviations: MTBE = methyl-tert-butyl-ether PVOcs = petroleum volatile organic compounds  
TMB = trimethylbenzenes FP = Free Product (floating on water table)
- NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
- NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
- "J" = Laboratory flagged result; reported concentration between Limit of Detectin and Limit of Quantitation
- Exceedances: [ ] = Concentration exceeds NR 140 ES  
( ) = Concentration exceeds NR 140 PAL



**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMWW-1		JACOBUS PARCEL						
TOC Elev.:	862.09	(ft MSL)				Well Depth:	15.5	(ft TOC)
TOC Elev.:	863.02	(ft MSL - Aug. 2003)				Approx. Screen Interval:	4.5 to 14.5	(ft bgs)
Ground Elev.:	861.3	(ft MSL - Aug. 2003)						
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical		
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations		
08/11/1995	8.45	853.64	6.68	---	7.05			
02/29/1996	2.60	859.49	0.83	5.85	12.90			
01/21/1997	5.21	856.88	3.44	-2.61	10.29			
07/17/1998	7.62	854.47	5.85	-2.41	7.88			
10/02/2001	6.77	855.32	5.00	0.85	8.73	clear		
08/22/2003	9.15	853.87	7.38	-1.45	6.35	clear		
02/26/2004	5.65	857.37	3.88	3.50	9.85	slightly turbid		
08/19/2004	8.23	854.79	6.46	-2.58	7.27	mostly clear		
02/08/2005	4.82	858.20	3.05	3.41	10.68			
03/08/2005	3.42	859.60	1.65	1.40	12.08			
10/11/2005	11.88	851.14	10.11	-8.46	3.62	mostly clear		
01/09/2006	7.13	855.89	5.36	4.75	8.37	clear		
04/06/2006	2.15	860.87	0.38	4.98	13.35	clear		
07/10/2006	7.56	855.46	5.79	-5.41	7.94	clear		
08/15/2007	9.12	853.90	7.35	-1.56	6.38			
12/08/2008	NM	---	---	---	---			
03/09/2009	1.67	861.35	-0.10	---	13.83			
06/29/2010	3.89	859.13	2.12	-2.22	11.61	clear		
09/27/2010	7.82	855.20	6.05	-3.93	7.68	clear		
07/19/2011	7.18	855.84	5.41	0.64	8.32	clear		
10/07/2011	5.74	857.28	3.97	1.44	9.76	clear		
04/30/2012	2.77	860.25	1.00	2.97	12.73			
07/23/2012	11.42	851.60	9.65	-8.65	4.08			

JMWW-1D		JACOBUS PARCEL						
TOC Elev.:	862.23	(ft MSL)				Well Depth:	40.5	(ft TOC)
TOC Elev.:	863.08	(ft MSL - Aug. 2003)				Approx. Screen Interval:	34.8 to 39.8	(ft bgs)
Ground Elev.:	861.1	(ft MSL - Aug. 2003)						
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical		
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations		
08/11/1995	13.88	848.35	11.93	---	26.62			
02/29/1996	12.18	850.05	10.23	1.70	28.32			
01/21/1997	13.02	849.21	11.07	-0.84	27.48			
07/17/1998	14.26	847.97	12.31	-1.24	26.24			
10/02/2001	13.17	849.06	11.22	1.09	27.33	mostly clear		
08/22/2003	14.77	848.31	12.82	-0.75	25.73	clear		
02/26/2004	12.72	850.36	10.77	2.05	27.78	slightly turbid		
08/19/2004	13.82	849.26	11.87	-1.10	26.68	mostly clear		
02/08/2005	NM	---	---	---	---			
03/08/2005	12.35	850.73	10.40	---	28.15			
10/11/2005	14.28	848.80	12.33	-1.93	26.22	clear		
01/09/2006	12.86	850.22	10.91	1.42	27.64	clear		
04/06/2006	11.91	851.17	9.96	0.95	28.59	clear		
07/10/2006	14.66	848.42	12.71	-2.75	25.84	clear		
08/15/2007	13.38	849.70	11.43	1.28	27.12	clear		
12/08/2008	NM	---	---	---	---			
03/09/2009	11.26	851.82	9.31	---	29.24			
06/29/2010	12.63	850.45	10.68	-1.37	27.87	clear		
09/27/2010	13.89	849.19	11.94	-1.26	26.61	clear		
07/19/2011	14.12	848.96	12.17	-0.23	26.38	clear		
10/07/2011	13.06	850.02	11.11	1.06	27.44	clear		
04/30/2012	12.26	850.82	10.31	0.80	28.24			
07/23/2012	15.05	848.03	13.10	-2.79	25.45			

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-2		JACOBUS PARCEL				
TOC Elev.:	863.37	(ft MSL)			Well Depth:	17.2 (ft TOC)
TOC Elev.:	864.29	(ft MSL - Aug. 2003)			Approx. Screen Interval:	4.3 to 14.3 (ft bgs)
Ground Elev.:	861.1	(ft MSL - Aug. 2003)				
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
08/11/1995	11.66	851.71	8.47	---	5.49	
02/29/1996	3.98	859.39	0.79	7.68	13.17	
01/21/1997	7.48	855.89	4.29	-3.50	9.67	
07/17/1998	10.61	852.76	7.42	-3.13	6.54	
10/02/2001	8.15	855.22	4.96	2.46	9.00	mostly clear
08/22/2003	12.54	851.75	9.35	-3.47	4.61	clear
02/26/2004	6.10	858.19	2.91	6.44	11.05	turbid
08/19/2004	11.60	852.69	8.41	-5.50	5.55	turbid
02/08/2005	5.13	859.16	1.94	6.47	12.02	
03/08/2005	4.37	859.92	1.18	0.76	12.78	
10/11/2005	14.54	849.75	11.35	-10.17	2.61	turbid
01/09/2006	7.51	856.78	4.32	7.03	9.64	clear
04/06/2006	3.55	860.74	0.36	3.96	13.60	clear
07/10/2006	10.55	853.74	7.36	-7.00	6.60	clear
08/15/2007	12.50	851.79	9.31	-1.95	4.65	slightly turbid
12/08/2008	11.59	852.70	8.40	0.91	5.56	
03/09/2009	2.98	861.31	-0.21	8.61	14.17	
06/29/2010	4.32	859.97	1.13	-1.34	12.83	slightly turbid
09/27/2010	11.39	852.90	8.20	-7.07	5.76	slightly turbid
07/19/2011	10.20	854.09	7.01	1.19	6.95	clear
10/07/2011	5.23	859.06	2.04	4.97	11.92	clear
04/30/2012	4.05	860.24	0.86	1.18	13.10	
07/23/2012	15.44	848.85	12.25	-11.39	1.71	

JMW-2D		JACOBUS PARCEL				
TOC Elev.:	862.51	(ft MSL)			Well Depth:	36.8 (ft TOC)
TOC Elev.:	863.43	(ft MSL - Aug. 2003)			Approx. Screen Interval:	31.3 to 36.3 (ft bgs)
Ground Elev.:	861.2	(ft MSL - Aug. 2003)				
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
08/11/1995	14.43	848.08	12.16	---	22.32	
02/29/1996	13.40	849.11	11.13	1.03	23.35	
01/21/1997	14.00	848.51	11.73	-0.60	22.75	
07/17/1998	14.91	847.60	12.64	-0.91	21.84	
10/02/2001	14.17	848.34	11.90	0.74	22.58	mostly clear
08/22/2003	15.35	848.08	13.08	-0.26	21.40	clear
02/26/2004	13.54	849.89	11.27	1.81	23.21	slightly turbid
08/19/2004	14.61	848.82	12.34	-1.07	22.14	slightly turbid
02/08/2005	NM	---	---	---	---	
03/08/2005	13.41	850.02	11.14	---	23.34	
10/11/2005	15.05	848.38	12.78	-1.64	21.70	turbid
01/09/2006	13.80	849.63	11.53	1.25	22.95	clear
04/06/2006	13.06	850.37	10.79	0.74	23.69	clear
07/10/2006	15.24	848.19	12.97	-2.18	21.51	slightly turbid
08/15/2007	14.21	849.22	11.94	1.03	22.54	clear
12/08/2008	14.11	849.32	11.84	0.10	22.64	
03/09/2009	12.49	850.94	10.22	1.62	24.26	
06/29/2010	13.48	849.95	11.21	-0.99	23.27	clear
09/27/2010	14.58	848.85	12.31	-1.10	22.17	clear
07/19/2011	14.86	848.57	12.59	-0.28	21.89	clear
10/07/2011	13.95	849.48	11.68	0.91	22.80	slightly turbid
04/30/2012	13.30	850.13	11.03	0.65	23.45	
07/23/2012	15.67	847.76	13.40	-2.37	21.08	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-3		JACOBUS PARCEL				
TOC Elev.:	863.13	(ft MSL)			Well Depth:	17.1 (ft TOC)
TOC Elev.:	864.27	(ft MSL - Aug. 2003)			Approx. Screen Interval:	4.2 to 14.2 (ft bgs)
Ground Elev.:	860.4	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	10.84	852.29	6.99	---	6.26	
02/29/1996	4.46	858.67	0.61	6.38	12.64	
01/21/1997	7.08	856.05	3.23	-2.62	10.02	
07/17/1998	9.75	853.38	5.90	-2.67	7.35	
10/02/2001	7.09	856.04	3.24	2.66	10.01	mostly clear
08/22/2003	12.55	851.72	8.70	-4.32	4.55	turbid
02/26/2004	7.13	857.14	3.28	5.42	9.97	turbid
08/19/2004	13.14	851.13	9.29	-6.01	3.96	slightly turbid
02/08/2005	3.57	860.70	-0.28	9.57	13.53	
03/08/2005	3.86	860.41	0.01	-0.29	13.24	
10/11/2005	14.25	850.02	10.40	-10.39	2.85	clear
01/09/2006	5.35	858.92	1.50	8.90	11.75	clear
04/06/2006	4.07	860.20	0.22	1.28	13.03	clear
07/10/2006	12.60	851.67	8.75	-8.53	4.50	clear
08/15/2007	13.03	851.24	9.18	-0.43	4.07	clear
12/08/2008	NM	---	---	---	---	
03/09/2009	3.85	860.42	0.00	---	13.25	
06/29/2010	7.72	856.55	3.87	-3.87	9.38	clear
09/27/2010	13.48	850.79	9.63	-5.76	3.62	clear
07/19/2011	12.97	851.30	9.12	0.51	4.13	clear
10/07/2011	7.07	857.20	3.22	5.90	10.03	clear
04/30/2012	4.93	859.34	1.08	2.14	12.17	
07/23/2012	>12.95	<851.32	>9.10	---	<4.15	Obstruction at 12.95 feet

JMW-3D		JACOBUS PARCEL				
TOC Elev.:	862.05	(ft MSL)			Well Depth:	34.5 (ft TOC)
TOC Elev.:	862.89	(ft MSL - Aug. 2003)			Approx. Screen Interval:	29.7 to 34.7 (ft bgs)
Ground Elev.:	860.4	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	13.96	848.09	11.43	---	20.54	
02/29/1996	12.60	849.45	10.07	1.36	21.90	
01/21/1997	13.22	848.83	10.69	-0.62	21.28	
07/17/1998	14.23	847.82	11.70	-1.01	20.27	
10/02/2001	13.43	848.62	10.90	0.80	21.07	mostly clear
08/22/2003	14.70	848.19	12.17	-0.43	19.80	clear
02/26/2004	12.84	850.05	10.31	1.86	21.66	slightly turbid
08/19/2004	13.88	849.01	11.35	-1.04	20.62	mostly clear
02/08/2005	NM	---	---	---	---	
03/08/2005	12.51	850.38	9.98	---	21.99	
10/11/2005	14.21	848.68	11.68	-1.70	20.29	mostly clear
01/09/2006	12.97	849.92	10.44	1.24	21.53	clear
04/06/2006	12.11	850.78	9.58	0.86	22.39	clear
07/10/2006	14.61	848.28	12.08	-2.50	19.89	clear
08/15/2007	13.44	849.45	10.91	1.17	21.06	clear
12/08/2008	NM	---	---	---	---	
03/09/2009	11.53	851.36	9.00	---	22.97	
06/29/2010	12.63	850.26	10.10	-1.10	21.87	clear
09/27/2010	13.96	848.93	11.43	-1.33	20.54	clear
07/19/2011	14.09	848.80	11.56	-0.13	20.41	clear
10/07/2011	13.21	849.68	10.68	0.88	21.29	clear
04/30/2012	12.48	850.41	9.95	0.73	22.02	
07/23/2012	15.05	847.84	12.52	-2.57	19.45	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JMW-4</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:	863.47	(ft MSL)				Well Depth: 17.2 (ft TOC)
TOC Elev.:	864.56	(ft MSL - Aug. 2003)				Approx. Screen Interval: 4.3 to 14.3 (ft bgs)
Ground Elev.:	861.9	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	9.82	853.65	7.11	---	7.33	
02/29/1996	5.10	858.37	2.39	4.72	12.05	
01/21/1997	6.97	856.50	4.26	-1.87	10.18	
07/17/1998	7.76	855.71	5.05	-0.79	9.39	
10/02/2001	7.98	855.49	5.27	-0.22	9.17	mostly clear
08/22/2003	9.65	854.91	6.94	-0.58	7.50	water clear, approx. 1/8" FP detected
02/26/2004	8.32	856.24	5.61	1.33	8.83	turbid
08/19/2004	9.13	855.43	6.42	-0.81	8.02	0.02' FP - absorbent sock placed in well
02/08/2005	7.36	857.20	4.65	1.77	9.79	Absorbent sock removed
03/08/2005	4.64	859.92	1.93	2.72	12.51	
09/26/2005	Monitoring well JMW-4 abandoned for remedial soil excavation work.					

<b>JMW-4D</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:	862.65	(ft MSL)				Well Depth: 46.5 (ft TOC)
TOC Elev.:	863.47	(ft MSL - Aug. 2003)				Approx. Screen Interval: 39.5 to 44.5 (ft bgs)
Ground Elev.:	861.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	14.34	848.31	12.11	---	32.11	
02/29/1996	12.48	850.17	10.25	1.86	33.97	
01/21/1997	13.24	849.41	11.01	-0.76	33.21	
07/17/1998	14.60	848.05	12.37	-1.36	31.85	
10/02/2001	13.47	849.18	11.24	1.13	32.98	mostly clear
08/22/2003	15.12	848.35	12.89	-0.83	31.33	clear
02/26/2004	12.94	850.53	10.71	2.18	33.51	turbid
08/19/2004	14.01	849.46	11.78	-1.07	32.44	mostly clear
02/08/2005	NM	---	---	---	---	
03/08/2005	12.41	851.06	10.18	---	34.04	
09/26/2005	Monitoring well JMW-4D abandoned for remedial soil excavation work.					



**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JMW-5</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:	863.09	(ft MSL)		Well Depth (approx):	17.1	(ft TOC)
TOC Elev.:	864.00	(ft MSL - Aug. 2003)		Approx. Screen Interval:	5 to 15	(ft bgs)
Ground Elev.:	862.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	12.38	850.71	10.55	---	4.67	
02/29/1996	4.02	859.07	2.19	8.36	13.03	
01/21/1997	7.08	856.01	5.25	-3.06	9.97	
07/17/1998	10.10	852.99	8.27	-3.02	6.95	
10/02/2001	NM	---	---	---	---	
08/22/2003	12.02	851.98	10.19	---	5.03	clear
02/26/2004	7.11	856.89	5.28	4.91	9.94	turbid
08/19/2004	10.78	853.22	8.95	-3.67	6.27	slightly turbid
02/08/2005	8.04	855.96	6.21	2.74	9.01	
03/08/2005	NM	---	---	---	---	
10/11/2005	14.19	849.81	12.36	---	2.86	turbid
01/09/2006	8.13	855.87	6.30	6.06	8.92	slightly turbid
04/06/2006	3.04	860.96	1.21	5.09	14.01	slightly turbid
07/10/2006	9.55	854.45	7.72	-6.51	7.50	clear
08/15/2007	11.98	852.02	10.15	-2.43	5.07	
12/08/2008	NM	---	---	---	---	
03/09/2009	2.49	861.51	0.66	---	14.56	
06/29/2010	4.02	859.98	2.19	-1.53	13.03	
09/27/2010	10.86	853.14	9.03	-6.84	6.19	
07/19/2011	8.91	855.09	7.08	1.95	8.14	clear
10/07/2011	5.68	858.32	3.85	3.23	11.37	
04/30/2012	NM	---	---	---	---	
07/23/2012	14.27	849.73	12.44	---	2.78	

<b>JMW-6</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:	863.37	(ft MSL)		Well Depth:	16.9	(ft TOC)
TOC Elev.:	864.25	(ft MSL - Aug. 2003)		Approx. Screen Interval:	5 to 15	(ft bgs)
Ground Elev.:	862.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	12.36	851.01	10.30	---	4.49	
02/29/1996	4.48	858.89	2.42	7.88	12.37	
01/21/1997	8.18	855.19	6.12	-3.70	8.67	
07/17/1998	11.32	852.05	9.26	-3.14	5.53	
10/02/2001	7.21	856.16	5.15	4.11	9.64	clear
08/22/2003	12.71	851.54	10.65	-4.62	4.14	clear
02/26/2004	6.52	857.73	4.46	6.19	10.33	turbid
08/19/2004	12.13	852.12	10.07	-5.61	4.72	turbid
02/08/2005	7.68	856.57	5.62	4.45	9.17	
03/08/2005	6.08	858.17	4.02	1.60	10.77	
10/11/2005	13.87	850.38	11.81	-7.79	2.98	turbid
01/09/2006	5.89	858.36	3.83	7.98	10.96	slightly turbid
04/06/2006	3.47	860.78	1.41	2.42	13.38	slightly turbid
07/10/2006	10.82	853.43	8.76	-7.35	6.03	turbid
08/15/2007	12.63	851.62	10.57	-1.81	4.22	
12/08/2008	11.64	852.61	9.58	0.99	5.21	
03/09/2009	2.67	861.58	0.61	8.97	14.18	
06/29/2010	3.86	860.39	1.80	-1.19	12.99	
09/27/2010	9.97	854.28	7.91	-6.11	6.88	
07/19/2011	9.65	854.60	7.59	0.32	7.20	clear
10/07/2011	4.97	859.28	2.91	4.68	11.88	
04/30/2012	4.26	859.99	2.20	0.71	12.59	
07/23/2012	16.20	848.05	14.14	-11.94	0.65	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JMW-6D		JACOBUS PARCEL				
TOC Elev.:	863.23	(ft MSL)		Well Depth:	35.65	(ft TOC)
TOC Elev.:	864.08	(ft MSL - Aug. 2003)		Approx. Screen Interval:	30 to 35	(ft bgs)
Ground Elev.:	862.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	15.61	847.62	13.77	---	20.04	
02/29/1996	15.06	848.17	13.22	0.55	20.59	
01/21/1997	15.53	847.70	13.69	-0.47	20.12	
07/17/1998	16.17	847.06	14.33	-0.64	19.48	
10/02/2001	15.73	847.50	13.89	0.44	19.92	clear
08/22/2003	16.40	847.68	14.56	0.18	19.25	clear
02/26/2004	15.00	849.08	13.16	1.40	20.65	turbid
08/19/2004	16.12	847.96	14.28	-1.12	19.53	turbid
02/08/2005	NM	---	---	---	---	
03/08/2005	15.07	849.01	13.23	---	20.58	
10/11/2005	16.19	847.89	14.35	-1.12	19.46	mostly clear
01/09/2006	15.38	848.70	13.54	0.81	20.27	clear
04/06/2006	14.87	849.21	13.03	0.51	20.78	clear
07/10/2006	16.30	847.78	14.46	-1.43	19.35	slightly turbid
08/15/2007	15.66	848.42	13.82	0.64	19.99	clear
12/08/2008	NM	---	---	---	---	
03/09/2009	14.22	849.86	12.38	---	21.43	
06/29/2010	14.99	849.09	13.15	-0.77	20.66	clear
09/27/2010	15.78	848.30	13.94	-0.79	19.87	clear
07/19/2011	16.06	848.02	14.22	-0.28	19.59	clear
10/07/2011	15.44	848.64	13.60	0.62	20.21	clear
04/30/2012	14.99	849.09	13.15	0.45	20.66	clear
07/23/2012	16.59	847.49	14.75	-1.60	19.06	

JMW-7		OFF-SITE				
TOC Elev.:		(ft MSL)		Well Depth:	14.5	(ft TOC)
TOC Elev.:	860.08	(ft MSL - Aug. 2003)		Approx. Screen Interval:	4.9 to 14.9	(ft bgs)
Ground Elev.:	860.3	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
	Installed 7/15/98					
07/17/1998	6.28	853.80	6.51	---	8.17	
10/02/2001	5.15	854.93	5.38	1.13	9.30	clear
08/22/2003	7.97	852.11	8.20	---	6.48	clear
02/26/2004	NM	---	---	---	---	well inaccessible - snow cover
08/19/2004	8.67	851.41	8.90	---	5.78	turbid
02/08/2005	3.50	856.58	3.73	5.17	10.95	
03/08/2005	NM	---	---	---	---	
10/11/2005	8.66	851.42	8.89	---	5.79	mostly clear
01/09/2006	2.85	857.23	3.08	5.81	11.60	clear
04/06/2006	2.92	857.16	3.15	-0.07	11.53	clear
07/10/2006	8.10	851.98	8.33	-5.18	6.35	clear
08/15/2007	7.48	852.60	7.71	0.62	6.97	slightly turbid
12/08/2008	7.23	852.85	7.46	0.25	7.22	
03/09/2009	2.36	857.72	2.59	4.87	12.09	
06/29/2010	2.72	857.36	2.95	-0.36	11.73	clear
09/27/2010	8.43	851.65	8.66	-5.71	6.02	clear
07/19/2011	7.98	852.10	8.21	0.45	6.47	clear
10/07/2011	4.66	855.42	4.89	3.32	9.79	clear
04/30/2012	3.45	856.63	3.68	1.21	11.00	
07/23/2012	12.64	847.44	12.87	-9.19	1.81	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JMW-8</b>		<b>OFF-SITE</b>				
TOC Elev.:		(ft MSL)			Well Depth:	12.8 (ft TOC)
TOC Elev.:	860.63	(ft MSL - Aug. 2003)			Approx. Screen Interval:	3.0 to 13.0 (ft bgs)
Ground Elev.:	861.0	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 7/16/03						
08/22/2003	8.52	852.11	8.84	---	4.23	clear
02/26/2004	4.57	856.06	4.89	3.95	8.18	turbid
08/19/2004	8.13	852.50	8.45	-3.56	4.62	turbid
02/08/2005	4.85	855.78	5.17	3.28	7.90	
03/08/2005	NM	---	---	---	---	
10/11/2005	9.13	851.50	9.45	---	3.62	turbid
01/09/2006	4.44	856.19	4.76	4.69	8.31	turbid
04/06/2006	1.74	858.89	2.06	2.70	11.01	slightly turbid
07/10/2006	7.51	853.12	7.83	-5.77	5.24	turbid
08/15/2007	7.42	853.21	7.74	0.09	5.33	
12/08/2008	7.16	853.47	7.48	0.26	5.59	
03/09/2009	2.46	858.17	2.78	4.70	10.29	
06/29/2010	3.57	857.06	3.89	-1.11	9.18	
09/27/2010	8.13	852.50	8.45	-4.56	4.62	
07/19/2011	6.75	853.88	7.07	1.38	6.00	clear
10/07/2011	4.47	856.16	4.79	2.28	8.28	
04/30/2012	2.62	858.01	2.94	1.85	10.13	
07/23/2012	11.83	848.80	12.15	-9.21	0.92	

<b>JMW-8D</b>		<b>OFF-SITE</b>				
TOC Elev.:		(ft MSL)			Well Depth:	28.5 (ft TOC)
TOC Elev.:	860.71	(ft MSL - Oct. 2005)			Approx. Screen Interval:	24.5 to 29.5 (ft bgs)
Ground Elev.:	861.0	(ft MSL - Oct. 2005)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 9/27/05						
10/11/2005	12.84	847.87	13.16	---	15.66	turbid
01/09/2006	12.02	848.69	12.34	0.82	16.48	clear
04/06/2006	11.50	849.21	11.82	0.52	17.00	clear
07/10/2006	12.96	847.75	13.28	-1.46	15.54	clear
08/15/2007	12.31	848.40	12.63	0.65	16.19	
12/08/2008	12.31	848.40	12.63	0.00	16.19	
03/09/2009	10.91	849.80	11.23	1.40	17.59	
06/29/2010	11.21	849.50	11.53	-0.30	17.29	
09/27/2010	11.98	848.73	12.30	-0.77	16.52	
07/19/2011	12.66	848.05	12.98	-0.68	15.84	clear
10/07/2011	12.13	848.58	12.45	0.53	16.37	clear
04/30/2012	11.70	849.01	12.02	0.43	16.80	
07/23/2012	13.25	847.46	13.57	-1.55	15.25	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JMW-9</b>		<b>OFF-SITE</b>				
TOC Elev.:	(ft MSL)					Well Depth: 12.6 (ft TOC)
TOC Elev.:	860.05 (ft MSL - Oct. 2005)					Approx. Screen Interval: 3.0 to 13.0 (ft bgs)
Ground Elev.:	860.4 (ft MSL - Oct. 2005)					
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
Installed 9/27/05						
10/11/2005	7.00	853.05	7.35	---	5.60	turbid
01/09/2006	4.86	855.19	5.21	2.14	7.74	turbid
04/06/2006	4.16	855.89	4.51	0.70	8.44	slightly turbid
07/10/2006	6.70	853.35	7.05	-2.54	5.90	turbid
08/15/2007	5.58	854.47	5.93	1.12	7.02	
12/08/2008	6.73	853.32	7.08	-1.15	5.87	
03/09/2009	1.99	858.06	2.34	4.74	10.61	
06/29/2010	4.16	855.89	4.51	-2.17	8.44	
09/27/2010	8.09	851.96	8.44	-3.93	4.51	
07/19/2011	6.95	853.10	7.30	1.14	5.65	clear
10/07/2011	5.59	854.46	5.94	1.36	7.01	
04/30/2012	3.90	856.15	4.25	1.69	8.70	
07/23/2012	9.03	851.02	9.38	-5.13	3.57	

<b>JMW-10</b>		<b>OFF-SITE</b>				
TOC Elev.:	(ft MSL)					Well Depth: 16.1 (ft TOC)
TOC Elev.:	864.33 (ft MSL - Oct. 2005)					Approx. Screen Interval: 3.0 to 13.0 (ft bgs)
Ground Elev.:	861.6 (ft MSL - Oct. 2005)					
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
Installed 9/26/05						
10/11/2005	14.37	849.96	11.62	---	1.73	turbid
01/09/2006	8.96	855.37	6.21	5.41	7.14	clear
04/06/2006	3.50	860.83	0.75	5.46	12.60	clear
07/10/2006	8.68	855.65	5.93	-5.18	7.42	turbid
08/15/2007	11.71	852.62	8.96	-3.03	4.39	
12/08/2008	11.35	852.98	8.60	0.36	4.75	
03/09/2009	3.01	861.32	0.26	8.34	13.09	
06/29/2010	5.09	859.24	2.34	-2.08	11.01	
09/27/2010	11.76	852.57	9.01	-6.67	4.34	
07/19/2011	8.42	855.91	5.67	3.34	7.68	clear
10/07/2011	7.12	857.21	4.37	1.30	8.98	
04/30/2012	3.83	860.50	1.08	3.29	12.27	
07/23/2012	13.87	850.46	11.12	-10.04	2.23	

<b>JMW-10D</b>		<b>OFF-SITE</b>				
TOC Elev.:	(ft MSL)					Well Depth: 42.0 (ft TOC)
TOC Elev.:	864.73 (ft MSL - Oct. 2005)					Approx. Screen Interval: 33.0 to 38.0 (ft bgs)
Ground Elev.:	861.5 (ft MSL - Oct. 2005)					
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
Installed 9/26/05						
10/11/2005	16.00	848.73	12.75	---	25.95	turbid
01/09/2006	14.71	850.02	11.46	1.29	27.24	clear
04/06/2006	13.93	850.80	10.68	0.78	28.02	clear
07/10/2006	16.42	848.31	13.17	-2.49	25.53	clear
08/15/2007	15.28	849.45	12.03	1.14	26.67	
12/08/2008	15.03	849.70	11.78	0.25	26.92	
03/09/2009	13.26	851.47	10.01	1.77	28.69	
06/29/2010	12.43	852.30	9.18	0.83	29.52	clear
09/27/2010	15.46	849.27	12.21	-3.03	26.49	clear
07/19/2011	17.42	847.31	14.17	-1.96	24.53	clear
10/07/2011	14.84	849.89	11.59	2.58	27.11	
04/30/2012	14.16	850.57	10.91	0.68	27.79	
07/23/2012	16.64	848.09	13.39	-2.48	25.31	



**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JMW-11D</b>		<b>OFF-SITE</b>				
TOC Elev.:		(ft MSL)			Well Depth:	30.5 (ft TOC)
TOC Elev.:	861.33	(ft MSL - by METCO)			Approx. Screen Interval:	26.0 to 31.0 (ft bgs)
Ground Elev.:	861.9	(ft MSL - July 2011)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed by METCO in 2008						
12/08/2008	13.82	847.51	14.40	---	16.63	
03/09/2009	12.29	849.04	12.87	1.53	29.66	
06/29/2010	13.09	848.24	13.67	-0.80	28.86	clear
09/27/2010	13.87	847.46	14.45	-0.78	28.08	clear
07/19/2011	14.15	847.18	14.73	-0.28	27.80	clear
10/07/2011	13.51	847.82	14.09	0.64	28.44	
04/30/2012	13.08	848.25	13.66	0.43	28.87	
07/23/2012	14.78	846.55	15.36	-1.70	27.17	

<b>NORTH SUMP</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:		(ft MSL)			Well Depth:	11.0 (ft TOC)
TOC Elev.:	862.26	(ft MSL - Oct. 2005)			Approx. Screen Interval:	3.4 to 10.9 (ft bgs)
Ground Elev.:	862.5	(ft MSL - Oct. 2005)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 9/30/05						
10/11/2005	dry	---	---	---	---	
01/09/2006	9.97	852.29	10.18	---	0.99	clear
04/06/2006	1.95	860.31	2.16	8.02	9.01	clear
07/10/2006	5.33	856.93	5.54	-3.38	5.63	clear
08/15/2007	6.30	855.96	6.51	-0.97	4.66	
12/08/2008	NM	---	---	---	---	
03/09/2009	1.26	861.00	1.47	---	9.70	
06/29/2010	3.23	859.03	3.44	-1.97	7.73	
09/27/2010	5.89	856.37	6.10	-2.66	5.07	
07/19/2011	5.25	857.01	5.46	0.64	5.71	clear
10/07/2011	5.45	856.81	5.66	-0.20	5.51	
04/30/2012	2.81	859.45	3.02	2.64	8.15	
07/23/2012	8.20	854.06	8.41	-5.39	2.76	

<b>SOUTH SUMP</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:		(ft MSL)			Well Depth:	12.2 (ft TOC)
TOC Elev.:	862.27	(ft MSL - Oct. 2005)			Approx. Screen Interval:	4.6 to 12.1 (ft bgs)
Ground Elev.:	862.5	(ft MSL - Oct. 2005)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 9/30/05						
10/11/2005	dry	---	---	---	---	
01/09/2006	10.00	852.27	10.25	---	2.20	
04/06/2006	1.93	860.34	2.18	8.07	10.27	clear
07/10/2006	5.34	856.93	5.59	-3.41	6.86	clear
08/15/2007	6.31	855.96	6.56	-0.97	5.89	cloudy
12/08/2008	7.23	855.04	7.48	-0.92	4.97	
03/09/2009	1.31	860.96	1.56	5.92	10.89	
06/29/2010	3.52	858.75	3.77	-2.21	8.68	clear
09/27/2010	6.08	856.19	6.33	-2.56	6.12	clear
07/19/2011	5.26	857.01	5.51	0.82	6.94	clear
10/07/2011	5.44	856.83	5.69	-0.18	6.76	clear
04/30/2012	2.82	859.45	3.07	2.62	9.38	
07/23/2012	8.20	854.07	8.45	-5.38	4.00	

**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

JPZ-3		JACOBUS PARCEL					
TOC Elev.:	860.75	(ft MSL)			Well Depth:	10.7	(ft TOC)
TOC Elev.:	861.75	(ft MSL - Aug. 2003)			Approx. Screen Interval:	~0 to 10	(ft bgs)
Ground Elev.:	861.0	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
08/11/1995	8.45	852.30	7.65	---	2.25		
02/29/1996	1.52	859.23	0.72	6.93	9.18		
01/21/1997	4.39	856.36	3.59	-2.87	6.31		
07/17/1998	6.58	854.17	5.78	-2.19	4.12		
10/02/2001	NM	---	---	---	---		
08/22/2003	9.32	852.43	8.52	---	1.38		
02/26/2004	3.39	858.36	2.59	5.93	7.31		
08/19/2004	9.73	852.02	8.93	-6.34	0.97		
02/08/2005	1.25	860.50	0.45	8.48	9.45		
03/08/2005	NM	---	---	---	---		
10/11/2005	dry	---	---	---	---		
01/09/2006	2.53	859.22	1.73	---	8.17		
04/06/2006	1.20	860.55	0.40	1.33	9.50		
07/10/2006	8.80	852.95	8.00	-6.27	1.90		
08/15/2007	NM	---	---	---	---		
12/08/2008	NM	---	---	---	---		
03/09/2009	NM	---	---	---	---		
06/29/2010	NM	---	---	---	---		
09/27/2010	NM	---	---	---	---		
07/19/2011	NM	---	---	---	---		
10/07/2011	NM	---	---	---	---		
04/30/2012	NM	---	---	---	---		
07/23/2012	NM	---	---	---	---		

JPZ-4		JACOBUS PARCEL					
TOC Elev.:	860.85	(ft MSL)			Well Depth:	10.0	(ft TOC)
TOC Elev.:	861.70	(ft MSL - Aug. 2003)			Approx. Screen Interval:	~0 to 10	(ft bgs)
Ground Elev.:	861.3	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
08/11/1995	6.98	853.87	6.55	0.00	3.02		
02/29/1996	2.04	858.81	1.61	4.94	7.96		
01/21/1997	4.32	856.53	3.89	-2.28	5.68		
07/17/1998	5.36	855.49	4.93	-1.04	4.64		
10/02/2001	NM	---	---	---	---		
08/22/2003	NM	---	---	---	---	product in well - no measurement	
11/05/2003	5.74	855.96	5.31	---	4.26	0.01' FP - absorbent sock placed in well	
02/26/2004	5.51	856.19	5.08	0.23	4.49	No FP	
08/19/2004	4.39	857.31	3.96	1.12	5.61	No FP	
02/08/2005	4.37	857.33	3.94	0.02	5.63	Absorbent sock removed from well	
03/08/2005	2.00	859.70	1.57	2.39	8.00		
09/26/2005	Sump JPZ-4 abandoned for remedial soil excavation work.						

SVP-1		JACOBUS PARCEL					
TOC Elev.:	863.37	(ft MSL)			Well Depth:		(ft TOC)
TOC Elev.:	864.27	(ft MSL - Aug. 2003)			Screen Interval:	3 to 14	(ft bgs)
Ground Elev.:	861.1	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
Installed 7/26/95							
02/08/2005	6.12	858.15	2.92	---	-6.12		
03/08/2005	NM	---	---	---	---	Lock frozen shut	
09/26/2005	Soil Vapor Point SVP-1 abandoned for remedial soil excavation work.						

**Table 1**  
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**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>SVP-2</b>		<b>JACOBUS PARCEL</b>					
TOC Elev.:	863.55	(ft MSL)				Well Depth:	(ft TOC)
TOC Elev.:	864.52	(ft MSL - Aug. 2003)				Screen Interval:	2 to 13 (ft bgs)
Ground Elev.:	861.3	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
	Installed 7/26/95						
02/08/2005	5.60	858.92	2.34	---	-5.60		
03/08/2005	3.91	860.61	0.65	860.61	-3.91	0.01' FP	
09/26/2005	Soil Vapor Point SVP-2 abandoned for remedial soil excavation work.						

<b>SVP-3</b>		<b>JACOBUS PARCEL</b>					
TOC Elev.:	863.21	(ft MSL)				Well Depth:	(ft TOC)
TOC Elev.:	864.02	(ft MSL - Aug. 2003)				Screen Interval:	2 to 13 (ft bgs)
Ground Elev.:	861.2	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
	Installed 7/26/95						
02/08/2005	7.24	856.78	4.46	---	-7.24		
03/08/2005	4.37	859.65	1.59	859.65	-4.37	0.01' FP	
09/26/2005	Soil Vapor Point SVP-3 abandoned for remedial soil excavation work.						

<b>IVW-1</b>		<b>JACOBUS PARCEL</b>					
TOC Elev.:	862.97	(ft MSL)				Well Depth:	(ft TOC)
TOC Elev.:	863.75	(ft MSL - Aug. 2003)				Screen Interval:	3 to 18 (ft bgs)
Ground Elev.:	860.6	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
	Installed 7/26/95						
02/08/2005	6.88	856.87	3.70	---	-6.88		
03/08/2005	4.85	858.90	1.67	858.90	-4.85	0.37' FP - water elevation not corrected for	
09/26/2005	Inlet Vent Well IVW-1 abandoned for remedial soil excavation work.						

<b>IVW-3</b>		<b>JACOBUS PARCEL</b>					
TOC Elev.:	863.23	(ft MSL)				Well Depth:	(ft TOC)
TOC Elev.:	864.13	(ft MSL - Aug. 2003)				Screen Interval:	3 to 18 (ft bgs)
Ground Elev.:	861.0	(ft MSL - Aug. 2003)					
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical	
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations	
	Installed 7/31/95						
02/08/2005	> 7.03*	< 857.10	> 3.87	---	---	0.03' FP in bottom of well; no water	
03/08/2005	6.15	857.98	2.99	---	-6.15	0.48' FP - water elevation not corrected for	
09/26/2005	Inlet Vent Well IVW-3 abandoned for remedial soil excavation work.						

\* An obstruction was measured at 7.03' below top of casing on 2/8/05. On 3/8/05, the obstruction was pushed down to 10' below top of casing after FP/water level measurements

**Table 1**  
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<b>IVW-4</b>		<b>JACOBUS PARCEL</b>				
TOC Elev.:	863.25	(ft MSL)				Well Depth: 21.1 (ft TOC)
TOC Elev.:	864.14	(ft MSL - Aug. 2003)				Screen Interval: 3 to 18 (ft bgs)
Ground Elev.:	861.1	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 7/31/95						
02/08/2005	3.39	860.75	0.34	---	17.66	
03/08/2005	NM	---	---	---	---	
10/11/2005	14.02	850.12	10.97	---	7.03	
01/09/2006	6.64	857.50	3.59	7.38	14.41	
04/06/2006	3.45	860.69	0.40	3.19	17.60	
07/10/2006	10.56	853.58	7.51	-7.11	10.49	
08/15/2007	NM	---	---	---	---	
12/08/2008	NM	---	---	---	---	
03/09/2009	3.56	860.58	0.51	---	17.49	
06/29/2010	4.78	859.36	1.73	-1.22	16.27	
09/27/2010	4.69	859.45	1.64	0.09	16.36	
07/19/2011	NM	---	---	---	---	
10/07/2011	NM	---	---	---	---	
04/30/2012	NM	---	---	---	---	

<b>JCMW-1</b>		<b>CMC PARCEL</b>				
TOC Elev.:	863.82	(ft MSL)				Well Depth: (ft TOC)
						Screen Interval: ~5 to 15 (ft bgs)
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	8.37	855.45	---	---	-8.37	
02/29/1996	4.66	859.16	---	3.71	-4.66	
01/21/1997	NM	---	---	---	---	
07/17/1998	Monitoring well JCMW-1 abandoned 7/17/98					

<b>JCMW-2R</b>		<b>CMC PARCEL</b>				
TOC Elev.:		(ft MSL)				Well Depth: 15.3 (ft TOC)
TOC Elev.:	863.17	(ft MSL - Aug. 2003)				Screen Interval: 3.0 to 13.0 (ft bgs)
Ground Elev.:	861.0	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 7/16/03						
08/22/2003	8.11	855.06	5.94	---	7.14	turbid
02/27/2004	7.34	855.83	5.17	0.77	7.91	turbid
08/19/2004	8.15	855.02	5.98	-0.81	7.10	0.02' FP - absorbent sock placed in well
02/08/2005	6.89	856.28	4.72	1.26	8.36	0.01' FP - absorbent sock removed
03/08/2005	5.28	857.89	3.11	2.87	9.97	
09/26/2005	Monitoring well JCMW-2R abandoned for remedial soil excavation work.					

<b>JCMW-3</b>		<b>CMC PARCEL</b>				
TOC Elev.:	863.37	(ft MSL)				Well Depth: 16.7 (ft TOC)
TOC Elev.:	863.53	(ft MSL - Aug. 2003)				Approx. Screen Interval: ~5 to 15 (ft bgs)
Ground Elev.:	861.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	8.46	854.91	6.13	---	8.24	
02/29/1996	3.78	859.59	1.45	4.68	12.92	Free product (no thickness given by M W)
01/21/1997	NM	---	---	---	---	
07/17/1998	7.57	855.80	5.24	---	9.13	
10/02/2001	7.00	856.37	4.67	0.57	9.70	turbid
08/22/2003	9.03	854.50	6.70	-1.87	7.67	turbid
02/27/2004	6.19	857.34	3.86	2.84	10.51	turbid
08/19/2004	8.72	854.81	6.39	-2.53	7.98	0.02' FP - absorbent sock placed in well
02/08/2005	4.52	859.01	2.19	4.20	12.18	Absorbent sock removed from well
03/08/2005	NM	---	---	---	---	Water frozen at 3.25' below toc
09/26/2005	Monitoring well JCMW-3 abandoned for remedial soil excavation work.					

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**Sigma Project No. 12442**

<b>JCMW-4</b>		<b>CMC PARCEL</b>				
TOC Elev.:	864.54	(ft MSL)				Well Depth: 17.1 (ft TOC)
TOC Elev.:	864.77	(ft MSL - Aug. 2003)				Approx. Screen Interval: ~5 to 15 (ft bgs)
Ground Elev.:	861.9	(ft MSL - Aug. 2003)				
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
08/11/1995	8.38	856.16	5.49	---	8.67	
02/29/1996	4.16	860.38	1.27	4.22	12.89	Sheen reported on purge water by M W
01/21/1997	NM	---	---	---	---	
07/17/1998	8.56	855.98	5.67	---	8.49	
10/02/2001	7.02	857.52	4.13	1.54	10.03	turbid
08/22/2003	8.69	856.08	5.80	-1.44	8.36	clear
02/27/2004	6.53	858.24	3.64	2.16	10.52	turbid
08/19/2004	8.71	856.06	5.82	-2.18	8.34	mostly clear
02/08/2005	6.94	857.83	4.05	1.77	10.11	
03/08/2005	4.74	860.03	1.85	2.20	12.31	
10/11/2005	13.23	851.54	10.34	-8.49	3.82	mostly clear
01/09/2006	8.73	856.04	5.84	4.50	8.32	slightly turbid
04/06/2006	4.00	860.77	1.11	4.73	13.05	slightly turbid
07/10/2006	8.47	856.30	5.58	-4.47	8.58	clear
08/15/2007	10.41	854.36	7.52	-1.94	6.64	clear
12/08/2008	NM	---	---	---	---	
03/09/2009	NM	---	---	---	---	
06/29/2010	NM	---	---	---	---	
09/27/2010	NM	---	---	---	---	
07/19/2011	Monitoring well JCMW-4 abandoned by others prior to July 2011 sampling event.					

<b>JCMW-5</b>		<b>CMC PARCEL</b>				
TOC Elev.:	865.26	(ft MSL)				Well Depth: 8.5 (ft TOC)
TOC Elev.:	865.70	(ft MSL - Aug. 2003)				Approx. Screen Interval: (ft bgs)
Ground Elev.:	862.2	(ft MSL - Aug. 2003)				
Date MM/DD/YR	GW Depth ft TOC	GW Elev.	GW ft bgs	GW Elev. Diff.	Water in Well	Physical Observations
08/11/1995	10.52	854.74	7.05	---	-2.02	
02/29/1996	5.49	859.77	2.02	5.03	-5.49	
01/21/1997	NM	---	---	---	---	
07/17/1998	9.70	855.56	6.23	---	-1.20	
10/02/2001	NM	---	---	---	---	
08/22/2003	NM	---	---	---	---	
02/27/2004	NM	---	---	---	---	Condensate frozen in well at 1.45 ft TOC
08/19/2004	7.11	858.59	3.64	---	1.39	Well depth measured at 8.50 feet
02/08/2005	6.03	859.67	2.56	1.08	2.47	
03/08/2005	NM	---	---	---	---	
10/11/2005	Monitoring well JCMW-5 obstructed at 8.55 ft TOC (not part of post-remediation monitoring well network)					



**Table 1**  
**Static Groundwater Elevations**  
**Jacobus Energy, Inc. - Former Bulk Terminal, N116 W16261 Main Street, Germantown, Wisconsin**  
**Sigma Project No. 12442**

<b>JCMW-6</b>		<b>CMC PARCEL</b>				
TOC Elev.:	864.89	(ft MSL)			Well Depth: 17.0	(ft TOC)
TOC Elev.:	864.91	(ft MSL - Aug. 2003)			Approx. Screen Interval: ~5 to 15	(ft bgs)
Ground Elev.:	862.5	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/11/1995	9.80	855.09	7.35	---	7.20	
02/29/1996	4.12	860.77	1.67	5.68	12.88	
01/21/1997	NM	---	---	---	---	
07/17/1998	8.95	855.94	6.50	---	8.05	
10/02/2001	8.40	856.49	5.95	0.55	8.60	turbid
08/22/2003	9.75	855.16	7.30	-1.33	7.25	clear
02/27/2004	8.81	856.10	6.36	0.94	8.19	turbid
08/19/2004	9.28	855.63	6.83	-0.47	7.72	mostly clear
02/08/2005	7.84	857.07	5.39	1.44	9.16	
03/08/2005	NM	---	---	---	---	
10/11/2005	Monitoring well JCMW-6 found to be destroyed (not part of post-remediation monitoring well network)					

<b>JCMW-7</b>		<b>CMC PARCEL</b>				
TOC Elev.:		(ft MSL)			Well Depth: 32.8	(ft TOC)
TOC Elev.:	862.94	(ft MSL - Aug. 2003)			Approx. Screen Interval: unknown	(ft bgs)
Ground Elev.:	862.9	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
08/22/2003	12.57	850.37	12.57	---	20.23	
02/27/2004	6.69	856.25	6.69	5.88	26.11	
08/19/2004	7.26	855.68	7.26	-0.57	25.54	
02/08/2005	5.80	857.14	5.80	1.46	27.00	
03/08/2005	NM	---	---	---	---	
10/11/2005	13.66	849.28	13.66	---	19.14	JCMW-7 not part of post-remediation monitoring well network.
01/09/2006	7.15	855.79	7.15	6.51	25.65	
04/06/2006	1.63	861.31	1.63	5.52	31.17	
07/10/2006	7.05	855.89	7.05	-5.42	25.75	
08/15/2007	NM	---	---	---	---	
12/08/2008	NM	---	---	---	---	
03/09/2009	0.81	862.13	0.81	---	31.99	
06/29/2010	2.16	860.78	2.16	-1.35	30.64	
09/27/2010	5.83	857.11	5.83	-3.67	26.97	
Well abandoned by others prior to Sigma's December 2010 site work.						

<b>JCMW-8</b>		<b>CMC PARCEL</b>				
TOC Elev.:		(ft MSL)			Well Depth:	(ft TOC)
					Screen Interval:	(ft bgs)
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
No information readily available in previous consultants' reports.						

**Table 1**  
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JCMW-9		CMC PARCEL				
TOC Elev.:		(ft MSL)			Well Depth:	15.5 (ft TOC)
TOC Elev.:	862.89	(ft MSL - Aug. 2003)			Screen Interval:	3.0 to 13.0 (ft bgs)
Ground Elev.:	860.2	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 7/16/03						
08/22/2003	11.43	851.46	8.75	---	4.02	clear
02/27/2004	8.52	854.37	5.84	2.91	6.93	turbid
08/19/2004	12.11	850.78	9.43	-3.59	3.34	mostly clear
02/08/2005	8.33	854.56	5.65	3.78	7.12	
03/08/2005	NM	---	---	---	---	
10/11/2005	11.92	850.97	9.24	---	3.53	turbid
01/09/2006	8.73	854.16	6.05	3.19	6.72	slightly turbid
04/06/2006	7.13	855.76	4.45	1.60	8.32	slightly turbid
07/10/2006	12.06	850.83	9.38	-4.93	3.39	turbid
08/15/2007	11.08	851.81	8.40	0.98	4.37	
12/08/2008	NM	---	---	---	---	
03/09/2009	5.61	857.28	2.93	---	9.84	
06/29/2010	7.63	855.26	4.95	-2.02	7.82	
09/27/2010	14.93	847.96	12.25	-7.30	0.52	
Well abandoned by others prior to Sigma's December 2010 site work.						

JCMW-10		CMC PARCEL				
TOC Elev.:		(ft MSL)			Well Depth:	15.5 (ft TOC)
TOC Elev.:	863.26	(ft MSL - Aug. 2003)			Screen Interval:	3.0 to 13.0 (ft bgs)
Ground Elev.:	861.0	(ft MSL - Aug. 2003)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
Installed 7/16/03						
08/22/2003	8.48	854.78	6.25	---	7.03	clear
02/26/2004	7.41	855.85	5.18	1.07	8.10	turbid
08/19/2004	8.35	854.91	6.12	-0.94	7.16	slightly turbid
02/08/2005	4.62	858.64	2.39	3.73	10.89	
03/08/2005	3.44	859.82	1.21	1.18	12.07	
10/11/2005	6.71	856.55	4.48	-3.27	8.80	turbid
01/09/2006	6.90	856.36	4.67	-0.19	8.61	slightly turbid
04/06/2006	2.94	860.32	0.71	3.96	12.57	slightly turbid
07/10/2006	8.30	854.96	6.07	-5.36	7.21	turbid
08/15/2007	8.16	855.10	5.93	0.14	7.35	
12/08/2008	9.31	853.95	7.08	-1.15	6.20	
03/09/2009	2.04	861.22	-0.19	7.27	13.47	
06/29/2010	3.91	859.35	1.68	-1.87	11.60	
09/27/2010	11.32	851.94	9.09	-7.41	4.19	
07/19/2011	7.93	855.33	5.70	3.39	7.58	clear
10/07/2011	6.37	856.89	4.14	1.56	9.14	
04/30/2012	5.15	858.11	2.92	1.22	10.36	
07/23/2012	11.44	851.82	9.21	-6.29	4.07	

**Table 1**  
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JCMW-10D		CMC PARCEL				
TOC Elev.:		(ft MSL)			Well Depth:	42.0 (ft TOC)
TOC Elev.:	863.85	(ft MSL - Oct. 2005)			Screen Interval:	34.5 to 39.5 (ft bgs)
Ground Elev.:	861.2	(ft MSL - Oct. 2005)				
Date	GW Depth	GW	GW	GW Elev.	Water in	Physical
MM/DD/YR	ft TOC	Elev.	ft bgs	Diff.	Well	Observations
	Installed 9/26/05					
10/11/2005	14.69	849.16	12.04	---	27.34	turbid
01/09/2006	13.16	850.69	10.51	1.53	28.87	slightly turbid
04/06/2006	12.12	851.73	9.47	1.04	29.91	slightly turbid
07/10/2006	15.19	848.66	12.54	-3.07	26.84	clear
08/15/2007	13.85	850.00	11.20	1.34	28.18	
12/08/2008	13.54	850.31	10.89	0.31	28.49	
03/09/2009	11.51	852.34	8.86	2.03	30.52	
06/29/2010	12.43	851.42	9.78	-0.92	29.60	
09/27/2010	13.65	850.20	11.00	-1.22	28.38	
07/19/2011	14.52	849.33	11.87	-0.87	27.51	clear
10/07/2011	13.45	850.40	10.80	1.07	28.58	clear
04/30/2012	12.53	851.32	9.88	0.92	29.50	
07/23/2012	15.74	848.11	13.09	-3.21	26.29	

**Notes:**

1. TOC = top of casing (all units are in feet)
2. GW = groundwater
3. MSL = Mean Sea Level
4. bgs = below ground surface
5. Original TOC elevations for each well based on data provided in previous Montgomery Watson data tables.
6. Screen intervals of pre-Sigma wells on Jacobus Parcel as reported in Table 5 of Montgomery Watson report dated July 1991
7. August 2003 TOC and ground surface elevations based on survey completed by National Survey & Engineering on 8/21/03.
8. October 2005 TOC and ground surface elevations based on October 2005 survey work completed by Sigma Environmental relative to wells surveyed in August 2003.
9. Data for 12/8/08, 3/9/09, 6/29/10, and 9/27/10 sampling events from METCO as presented in November 4, 2010 letter update.





October 31, 2012

Project Reference #12442

CMC Heartland Partners  
35 E. Wacker Drive, Suite 1550  
Chicago, IL 60601

**Certified Mail**

**Subject: Notice of Residual Petroleum Hydrocarbon Soil and Groundwater Impacts  
CMC Heartland Partners Property  
N116 W16257 Main Street, Germantown, Wisconsin  
Parcel GTNV 224025**

Dear Sir or Madam:

Soil and groundwater contamination that appears to have originated on the adjacent Jacobus Energy, Inc. property located at N116 W16261 Main Street, Germantown, Wisconsin has migrated onto your property referenced above. The levels of petroleum volatile organic compounds (PVOCs) in soil and groundwater at your property are above the NR 720 generic Residual Contaminant Levels (RCLs) and NR 140 Enforcement Standards (ESs), respectively. However, the dissolved PVOC plume in groundwater is stable or receding and will degrade over time. Natural attenuation processes will continue to clean up the residual subsurface impacts such that the requirements for regulatory case closure found in NR 726 and NR 746 will be met; the Wisconsin Department of Natural Resources (WDNR) will be requested to accept natural attenuation as a final remedy for this site and grant case closure. Closure means that the WDNR will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Because the source of the soil and groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for the investigation or cleanup of this PVOC contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. To obtain a copy of the WDNR's publication #PUB-RR-589, Fact Sheet 10: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", you may visit <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>. However, this does not alleviate you of any case closure responsibilities associated with BRRTS #02-67-000341 for your property, which was closed in October 2010.

The WDNR will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to: Mr. John Feeney, WDNR Plymouth Service Center, Remediation & Redevelopment Program, 1155 Pilgrim Road, Plymouth, WI 53073.



CMC Heartland Partners  
October 31, 2012

If this case is closed, all properties within the site boundaries where soil and/or groundwater contamination exceeds NR 720 generic RCLs and/or NR 140 ESs, respectively, will be listed on the WDNR's Geographic Information System (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where soil and/or groundwater impacts above applicable standards were present at the time that the case was closed. The GIS Registry will be available to the general public on the WDNR's internet web site. Please review the enclosed legal description of your property, and notify Jacobus within the next 30 days if the legal description is incorrect.

After the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of the closure letter by requesting a copy from Jacobus or Sigma, by writing to the WDNR address given above, or by accessing the WDNR GIS Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. A copy of the closure letter will be included as part of the site file attached on the GIS Registry.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual subsurface contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

If you need more information, you may contact Mike Helgesen of Jacobus (11815 W. Bradley Road, Milwaukee, WI 53224; phone number 414-577-0217) or Adam Roder of Sigma (1300 W. Canal Street, Milwaukee, WI 53233; phone number 414-643-4200).

Sincerely,

**SIGMA ENVIRONMENTAL SERVICES, INC.**



Adam J. Roder, P.E.  
Senior Engineer



Randy E. Boness, P.G.  
Geosciences Group Leader

Enclosures:

Final Remedial Soil Quality/Soil Excavation Map  
Shallow Groundwater Quality Map  
Deeper Groundwater Quality Map  
Legal Description Information

cc: Mr. Mike Helgesen - Jacobus Energy, Inc.

OFF-SOURCE  
A  
PROPERTY

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

The Sigma Group  
1300 West Canal Street  
Milwaukee, WI 53233

Jacopus 12442 AJA 10/31/12



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CMC Heartland Partners  
35 E. Wacker Dr.  
Suite 1550  
Chicago, IL 60601

2. Article Number  
(Transfer from service label)

7010 1870 0002 5054 7557

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 X J. Hughes  Addressee

B. Received by (Printed Name) C. Date of Delivery  
 J. Hughes 11-2-12

D. Is delivery address different from item 1?  Yes  
 if YES, enter delivery address below:  No

3. Service Type

Certified Mail  Express Mail  
 Registered  Return Receipt for Merchandise  
 Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes



DOCUMENT NO.  
630892 (2)

STATE BAR OF WISCONSIN FORM 3 - 1982  
QUIT CLAIM DEED  
VOL 1297:270

THIS SPACE RESERVED FOR RECORDING DATA

RECORDED  
APR 29 1 30 PM '83  
RECEIVED  
OF WA. S. 01

CNC Real Estate Corporation, a Wisconsin corporation, having an office at 547 West Jackson Blvd., Suite 1510, Chicago, IL 60606 (Grantor) quit-claims to Chicago Milwaukee Corporation, a Delaware corporation, having an office at 547 West Jackson Blvd., Suite 1510, Chicago, IL 60606 (Grantee)

the following described real estate is Washington County, State of Wisconsin:

See Exhibit "A" attached hereto

Notary Public  
Ronald Ian Reicin  
JENNER & BLOCK  
One IBM Plaza  
Chicago, IL 60611

Tax Parcel No: See Exhibit "B" attached hereto

together with all the appurtenances, fixtures, tracks, signals and personal property and equipment, if any, owned by Grantor and used in connection therewith.

This transfer is exempt from real estate transfer fee pursuant to Wisc. Statute §77.25(7).

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

Dated as of this 31st day of October, 1989

ATTEST: \_\_\_\_\_ (SEAL)  
BY: *[Signature]* \_\_\_\_\_ (SEAL)

CNC REAL ESTATE CORPORATION (SEAL)  
BY: *[Signature]* \_\_\_\_\_ (SEAL)  
Name: LAMBERTY  
VICE PRESIDENT

**AUTHENTICATION**  
Signature(s) \_\_\_\_\_  
authenticated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_  
TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not authorized by 1-000-04-110-0-0-0-0)

**ACKNOWLEDGMENT**  
STATE OF ILLINOIS }  
COOK County. } ss.  
This instrument was acknowledged before me on 31st day of October, 1989, by ROBERT A. LAMBERTY and WAYNE J. DELFINO as VICE PRESIDENT and VICE PRESIDENT of CNC Real Estate Corporation.

THIS INSTRUMENT WAS DRAFTED BY  
Ronald Ian Reicin, JENNER & BLOCK  
One IBM Plaza, Chicago, IL 60611  
(Signatures may be authenticated or acknowledged. Both are not necessary.)

*[Signature]*  
Notary Public, Cook County, Ill.  
My Commission Expires \_\_\_\_\_  
CONNIE ELLEN PERRY  
Notary Public, State of Illinois  
My Commission Expires \_\_\_\_\_

630892

VOL 1297 PAGE 271

EXHIBIT "A"

All real estate and other property owned by the Grantor (and all other property in which the Grantor has an interest) and which is located in the county and state set forth in the instrument to which this Exhibit is attached, including, without limitation, leaseholds, easements, mineral interests, water rights, appurtenances, licenses, franchise and ordinance rights, sidetrack agreements, crossing agreements with railroads, utility easements, poleline easements, right of way easements, joint track agreements, viaduct or road crossing easements, air rights, fiber optic rights, purchase option rights and all other rights in and to said real estate (and said other property).

This conveyance is subject to general real estate taxes which are a lien but not yet delinquent, and to any and all covenants, encumbrances, leaseholds, licenses, easements, restrictions, and conditions of any kind or character, including, without limitation, ordinances, codes, regulations and laws, public or private roadways and alleys, whether or not of record.

WISCONSIN-CT  
BFL8060Z:643

630892

VOL 1297 PAGE 272

EXHIBIT "B"

Tax Parcel Numbers:

German Town

224-025  
224-987

12.32 - Washington Co.  
WISCONSIN-DEED & DEC  
BFL8006B:643

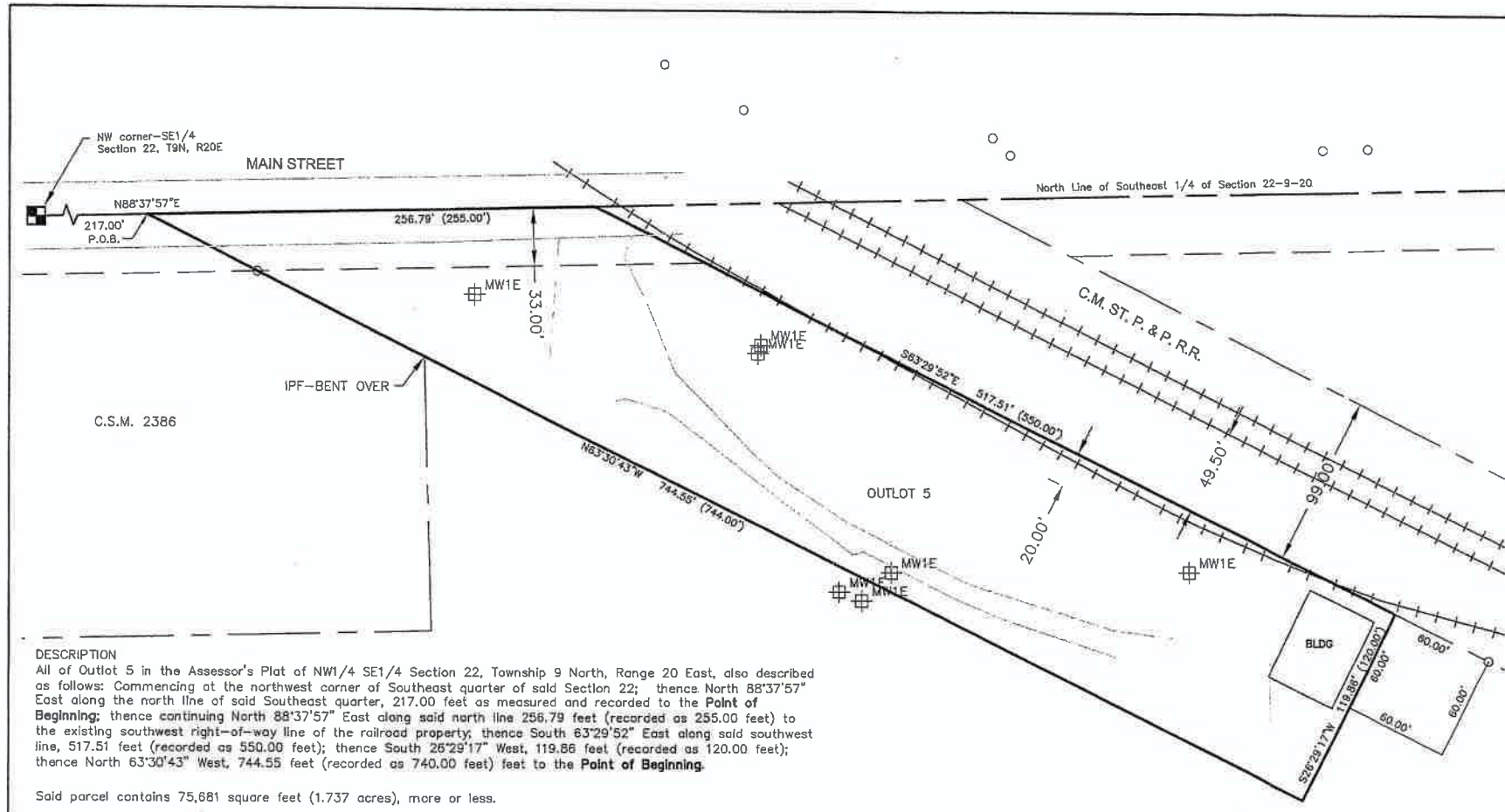


**GERMANTOWN, WASHINGTON COUNTY, WISCONSIN**

ALL OF OUTLOT 5 IN THE ASSESSOR'S PLAT OF NW1/4 SE1/4 SECTION 22, TOWNSHIP 9 NORTH, RANGE 20 EAST, ALSO DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SOUTHEAST QUARTER OF SAID SECTION 22; THENCE NORTH 88°37'57" EAST ALONG THE NORTH LINE OF SAID SOUTHEAST QUARTER, 217.00 FEET AS MEASURED AND RECORDED TO THE **POINT OF BEGINNING**; THENCE CONTINUING NORTH 88°37'57" EAST ALONG SAID NORTH LINE 256.79 FEET (RECORDED AS 255.00 FEET) TO THE EXISTING SOUTHWEST RIGHT-OF-WAY LINE OF THE RAILROAD PROPERTY; THENCE SOUTH 63°29'52" EAST ALONG SAID SOUTHWEST LINE, 517.51 FEET (RECORDED AS 550.00 FEET); THENCE SOUTH 26°29'17" WEST, 119.86 FEET (RECORDED AS 120.00 FEET); THENCE NORTH 63°30'43" WEST, 744.55 FEET (RECORDED AS 740.00 FEET) TO THE **POINT OF BEGINNING**.

SAID PARCEL CONTAINS 75,681 SQUARE FEET (1.737 ACRES), MORE OR LESS.

**STS**  
**STS CONSULTANTS**  
 11425 W. Lake Park Drive  
 Milwaukee, WI 53224  
 414-359-3030  
 www.stsconsultants.com  
 Copyright ©2006, by STS Consultants, Ltd.



**DESCRIPTION**  
 All of Outlot 5 in the Assessor's Plat of NW1/4 SE1/4 Section 22, Township 9 North, Range 20 East, also described as follows: Commencing at the northwest corner of Southeast quarter of said Section 22; thence North 88°37'57" East along the north line of said Southeast quarter, 217.00 feet as measured and recorded to the **Point of Beginning**; thence continuing North 88°37'57" East along said north line 256.79 feet (recorded as 255.00 feet) to the existing southwest right-of-way line of the railroad property, thence South 63°29'52" East along said southwest line, 517.51 feet (recorded as 550.00 feet); thence South 26°29'17" West, 119.88 feet (recorded as 120.00 feet); thence North 63°30'43" West, 744.55 feet (recorded as 740.00 feet) feet to the **Point of Beginning**.

Said parcel contains 75,681 square feet (1.737 acres), more or less.

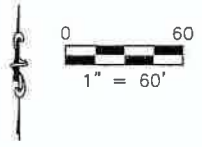
**SURVEYOR'S CERTIFICATE**  
 I hereby certify that I have surveyed the above described property and the map hereon is a true representation thereof to the best of my knowledge and belief.

*Craig W. Riley*  
 Craig W. Riley, R.L.S.  
 Registered Land Surveyor, S-2264  
 Dated this 23rd day of September, 2006



**LEGEND**

	BOUNDARY LINE
	SECTION LINE
	CENTERLINE OF RAILROAD TRACKS
	IRON PIPE (PND)
	Recorded as



W 16757 MAIN STREET PROPERTY SURVEY  
 CMC  
 GERMANTOWN, WISCONSIN  
 WASHINGTON COUNTY

Drawn:	CWR 7/31/2006
Checked:	KLB 7/31/2006
Approved:	CWR 7/31/2006
PROJECT NUMBER	200604605
FIGURE NUMBER	1

x:\Projects\200604605\dwg\200604605\_Germantown.dwg: 9/25/2006 5:42:08 PM: RILEY, CRAIG



# Washington County Tax Inquiry

## HISTORY FILE INQUIRY

Parcel No: Parcel# 2012 GTNV 224025

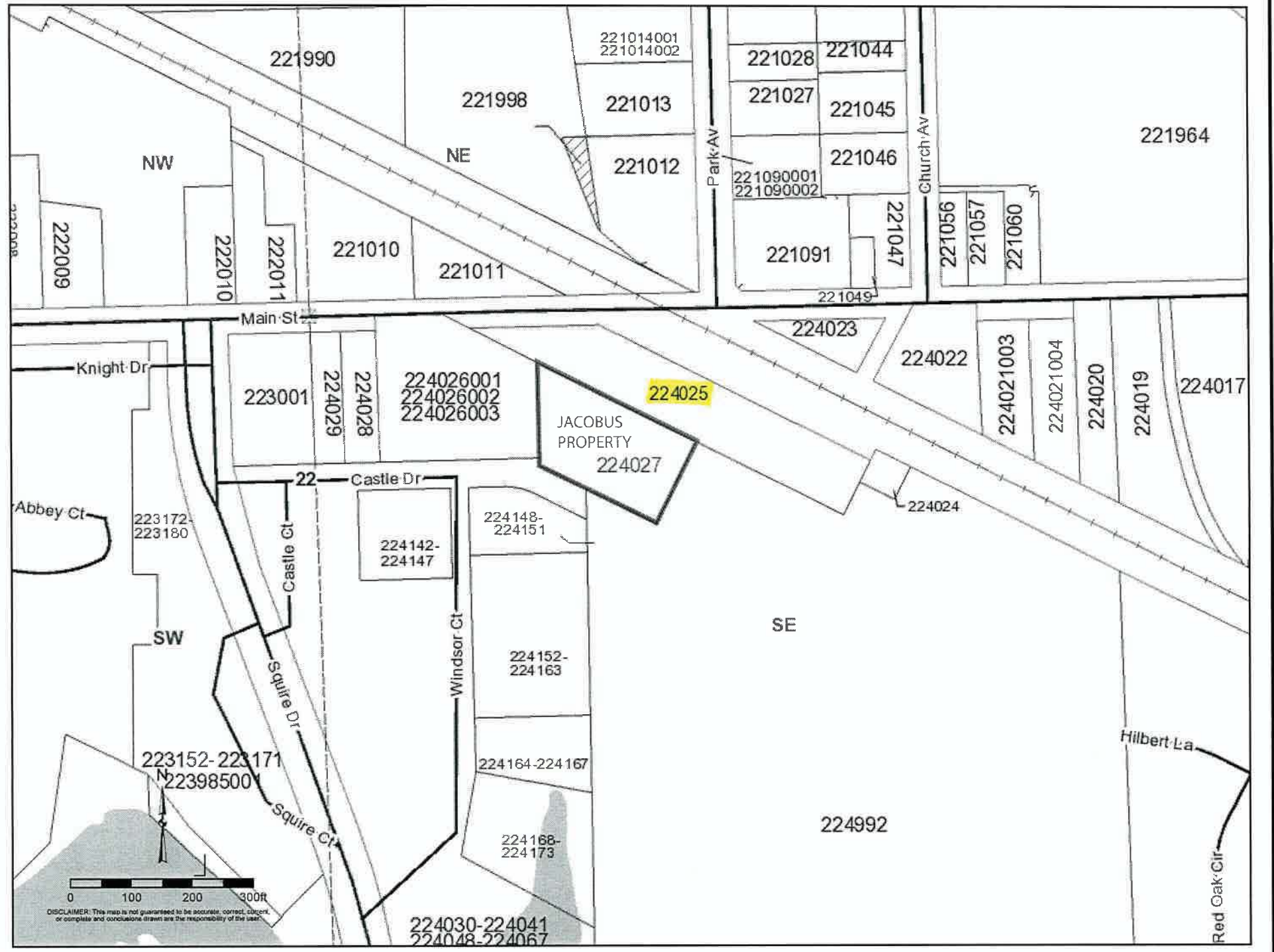
OWNER: CMC HEARTLAND PARTNERS  
PHY ADDRESS: N116 W16257 MAIN ST  
PARTIAL ASSESSED:

Mail to:  
CMC HEARTLAND PARTNERS  
35 E WACKER DR STE 1550  
CHICAGO IL 60601

Date (MMDDYYYY)	Vol	Page	Csm#	Par	Acres	Name
4/29/1993	1297	274				CMC HEARTLAND PART
4/29/1993	1297	270				CMC HEARTLAND PART
12/31/1992						CMC HEARTLAND PART
0						
0						
0						
0						
0						
0						

Enter

Back



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.



October 31, 2012

Project Reference #12442

Mr. Carl Trapp  
Carl E. Trapp Revocable Trust  
W260 N8579 State Hwy 164  
Hartland, WI 53029

*Certified Mail*

**Subject: Notice of Residual Petroleum Hydrocarbon Groundwater Impacts  
Squire Road Parcel, Germantown, Wisconsin  
Parcel GTNV 224992**

Dear Mr. Trapp:

Groundwater contamination that appears to have originated on the adjacent Jacobus Energy, Inc. property located at N116 W16261 Main Street, Germantown, Wisconsin has migrated onto your property referenced above. The levels of petroleum volatile organic compounds (PVOCs) in groundwater at your property are above the NR 140 Enforcement Standards (ESs). However, the dissolved PVOc plume in groundwater is stable or receding and will degrade over time. Natural attenuation processes will continue to clean up the residual subsurface impacts such that the requirements for regulatory case closure found in NR 726 and NR 746 will be met; the Wisconsin Department of Natural Resources (WDNR) will be requested to accept natural attenuation as a final remedy for this site and grant case closure. Closure means that the WDNR will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Because the source of the groundwater contamination is not on your property, neither you nor any subsequent owner of your property will be held responsible for the investigation or cleanup of this PVOc contamination, as long as you and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to your property for environmental investigation or cleanup if access is required. To obtain a copy of the WDNR's publication #PUB-RR-589, Fact Sheet 10: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", you may visit <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

The WDNR will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the WDNR to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, you should mail that information to: Mr. John Feeney, WDNR Plymouth Service Center, Remediation & Redevelopment Program, 1155 Pilgrim Road, Plymouth, WI 53073.

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds NR 140 ESs will be listed on the WDNR's Geographic Information System (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry



Carl E. Trapp Revocable Trust  
October 31, 2012

includes maps showing the location of properties in Wisconsin where soil and/or groundwater impacts above applicable standards were present at the time that the case was closed. The GIS Registry will be available to the general public on the WDNR's internet web site. Please review the enclosed legal description of your property, and notify Jacobus within the next 30 days if the legal description is incorrect.

After the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR grants closure, you may obtain a copy of the closure letter by requesting a copy from Jacobus or Sigma, by writing to the WDNR address given above, or by accessing the WDNR GIS Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. A copy of the closure letter will be included as part of the site file attached on the GIS Registry.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual subsurface contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

If you need more information, you may contact Mike Helgesen of Jacobus (11815 W. Bradley Road, Milwaukee, WI 53224; phone number 414-577-0217) or Adam Roder of Sigma (1300 W. Canal Street, Milwaukee, WI 53233; phone number 414-643-4200).

Sincerely,

**SIGMA ENVIRONMENTAL SERVICES, INC.**



Adam J. Roder, P.E.  
Senior Engineer



Randy E. Boness, P.G.  
Geosciences Group Leader

Enclosures:

Shallow Groundwater Quality Map  
Deeper Groundwater Quality Map  
Legal Description Information

cc: Mr. Mike Helgesen - Jacobus Energy, Inc.

OFF-SOURCE  
B  
PROPERTY

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

The Sigma Group  
1300 West Canal Street  
Milwaukee, WI 53233

Jacobus 12942 AJR 10/31/12



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Carl Trapp  
W260 N8579  
Hwy 164  
Hartland, WI 53029

2. Article Number

(Transfer from service label)

7010 1870 0002 5054 7564

PS Form 3811, August 2001

Domestic Return Receipt

2ACPRI-03-P-4081

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*Carl E Trapp*

Agent

Addressee

B. Received by (Printed Name)

Carl E Trapp

C. Date of Delivery

11-1-12

D. Is delivery address different from item 1?  Yes  
if YES, enter delivery address below:  No

3. Service Type

Certified Mail

Express Mail

Registered

Return Receipt for Merchandise

Insured Mail

C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes



State Bar of Wisconsin Form 1-2003  
**WARRANTY DEED**

DOC# 1180553



Document Number

Document Name

Recorded  
JAN. 14, 2008 AT 09:30AM  
SHARON A MARTIN, REGISTER OF DEEDS  
WASHINGTON COUNTY, WISCONSIN

Fee Amount: \$13.00  
Fee Exempt 77.25-(16)

THIS DEED, made between Carl E. Trapp, a single person,

("Grantor," whether one or more), and Carl E. Trapp, Trustee of the Carl E. Trapp Revocable Trust, U/A Dated December 28, 2007

("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Washington County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):  
See attached legal description

Recording Area

Name and Return Address  
Charles J. Stansberry, Jr.  
Schober Schober & Mitchell, S.C.  
16845 West Cleveland Avenue  
New Berlin, WI 53151

13.2

FEE  
\$77.25 (16)  
EXEMPT

GTNV 224 992

Parcel Identification Number (PIN)

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

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances except: municipal and zoning ordinances and agreements entered under them, recorded easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes, levied in the year 2007.

Dated December 28, 2007

Carl E. Trapp (SEAL)  
\* Carl E. Trapp

\_\_\_\_ (SEAL)

\_\_\_\_ (SEAL)

\_\_\_\_ (SEAL)

**AUTHENTICATION**  
Signature(s) Carl E. Trapp

authenticated on December 28, 2007

\* Charles J. Stansberry, Jr.  
TITLE: MEMBER STATE BAR OF WISCONSIN  
(If not, \_\_\_\_\_  
authorized by Wis. Stat. § 706.06 )

**ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )

\_\_\_\_\_ ) ss.  
\_\_\_\_\_ COUNTY )

Personally came before me on \_\_\_\_\_,  
the above-named \_\_\_\_\_

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

\* \_\_\_\_\_  
Notary Public, State of \_\_\_\_\_  
My commission (is permanent) (expires: \_\_\_\_\_)

THIS INSTRUMENT DRAFTED BY:  
Charles J. Stansberry, Jr.

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATION TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.  
WARRANTY DEED ©2003 STATE BAR OF WISCONSIN

\*Type name below signatures.

FORM NO. 1-2003



DOC# 1180553

Legal Description.

That part of Outlot Three (3) in ASSESSOR'S PLAT of the Village of Germantown, Northwest Quarter of the Southeast Quarter of Section 22, Township 9 North of Range 20 East, Washington County, Wisconsin, described as follows, viz:

Commencing at the center of said Section 22; thence South 88 degrees 33 minutes 14 seconds West along the North line of the SW 1/4 of said section, 135.00 feet to a point; thence South 01 degree 58 minutes 28 seconds East along the East line of Squire Drive, 240.00 feet to the point of beginning of the land to be described; thence North 88 degrees 33 minutes 14 seconds East, 135.00 feet to a point on the North-South 1/4 line of said section; thence North 88 degrees 37 minutes 44 seconds East, 371.13 feet to a point, said point being the Southeast corner of Certified Survey Map No. 2386; thence South 01 degree 24 minutes 56 seconds East, 12.49 feet to a point; thence South 63 degrees 30 minutes 56 seconds East, 213.52 feet to a point; thence North 26 degrees 29 minutes 04 seconds East, 150.00 feet to a point; thence South 63 degrees 30 minutes 56 seconds East, 274.54 feet to a point; thence North 26 degrees 29 minutes 04 seconds East, 60.00 feet to a point; thence South 63 degrees 30 minutes 56 seconds East, 60.00 feet to a point in the Southwesterly right-of-way line of the Chicago, Milwaukee, St. Paul and Pacific Railroad; thence South 63 degrees 30 minutes 56 seconds East along said right-of-way line, 383.50 feet to a point; thence South 01 degree 56 minutes 58 seconds East, 878.04 feet to the Southeast corner of the NW 1/4 of the SE 1/4 of said Section 22; thence South 88 degrees 35 minutes 23 seconds West, 1208.33 feet to a point on the East line of Squire Drive, said point being 110.00 feet North 88 degrees 35 minutes 23 seconds East of the Southwest corner of the NW 1/4 of the SE 1/4 of said Section 22; thence North 01 degree 58 minutes 28 seconds West, 113.97 feet to a point; thence Northwesterly, 384.07 feet along the arc of a curve whose center lies to the West whose radius is 1186.28 feet and whose chord bears North 11 degrees 14 minutes 58 seconds West, 382.39 feet to a point; thence North 20 degrees 31 minutes 28 seconds West, 458.55 feet to a point; thence North 14 degrees 49 minutes 57 seconds West, 168.40 feet to the point of beginning; EXCEPTING THEREFROM the following described real estate:

Commencing at the Northwest corner of said SE 1/4 section; thence South 01 degree 58 minutes 28 seconds East along the West line of said SE 1/4 section, 240.00 feet to the point of beginning of the land to be described; thence North 88 degrees 37 minutes 44 seconds East along the South line of Certified Survey Map No. 2386 and parallel with the North line of said 1/4 section, 371.13 feet to a point; thence South 01 degree 24 minutes 56 seconds East, 12.49 feet to a point; thence South 63 degrees 30 minutes 56 seconds East, 85.00 feet to a point; thence South 00 degrees 54 minutes 18 seconds East, 880.31 feet to a point; thence North 89 degrees 09 minutes 27 seconds West, 320.90 feet to a point in the East line of Squire Drive; thence Northerly along said East line, 330.28 feet on the arc of a curve whose center lies to the Southwest whose radius is 1186.28 feet and whose chord bears North 12 degrees 32 minutes 54 seconds West, 329.22 feet to a point; thence North 20 degrees 31 minutes 28 seconds West along said East line, 458.55 feet to a point; thence North 14 degrees 49 minutes 57 seconds West along said East line, 168.40 feet to a point; thence North 88 degrees 33 minutes 14 seconds East and parallel with the North line of said SW 1/4 section, 135.00 feet to the point of beginning.

NOTE: The above excepted parcel is also known as Buildings 24, 26, 27, 28, 29 and 31 in Lake Park East Extension, a recorded condominium; and Parcel 1 of Certified Survey Map No. 3501, recorded in the Washington County Registry on January 25, 1990 in Volume 21 of Certified Survey Maps on pages 168-172, as Document No. 554789.

Tax Key No. GTNV 224 992

GRANTOR: CARL E. TRAPP

GRANTEE: CARL E. TRAPP REV. TR





# Washington County Tax Inquiry

## HISTORY FILE INQUIRY

Parcel No: Parcel# 2012 GTNV 224992

OWNER: CARL E TRAPP REVOCABLE TRUST  
PHY ADDRESS: SQUIRE DR  
PARTIAL ASSESSED:

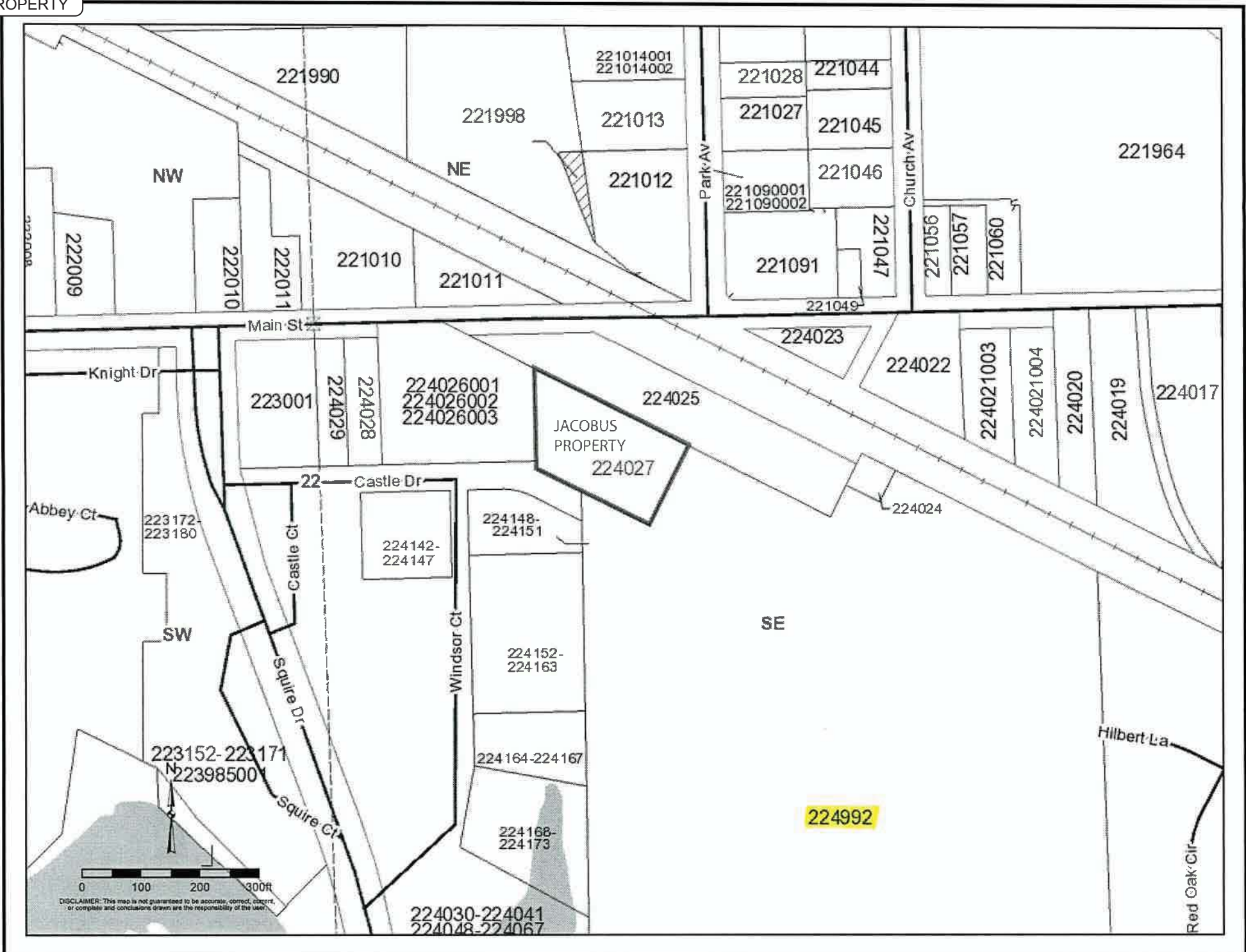
Mail to:  
CARL E TRAPP REVOCABLE TRUST  
W260N8579 STATE HWY 164  
HARTLAND WI 53029

Date (MMDDYYYY)	Vol	Page	Csm#	Par	Acres	Name
1/14/2008		1180553				TRAPP CARL E
3/15/2007		1154594				TRAPP CARL E
12/15/2006		1146940				TRAPP CARL E
2/08/2006		1117305				TRAPP CARL E TRUST
9/26/2002		948901				TRAPP CARL
5/12/1994	1427	198				HERITAGE PLACE
5/27/1993						CIT CORPORATION
0						
0						

Enter

Back





221990

221014001  
221014002

221028

221044

221998

221013

221027

221045

221964

NW

NE

221012

221090001  
221090002

221046

Church Av

222009

222010

222011

221010

221011

221091

221047

221056

221057

221060

221049

Main St

224023

224022

224021003

224021004

224020

224019

224017

Knight Dr

223001

224029

224028

224026001  
224026002  
224026003

224025

JACOBUS  
PROPERTY

224027

224024

Abbey Ct

223172-  
223180

22 Castle Dr

224142-  
224147

224148-  
224151

SE

SW

Castle Ct

Windsor Ct

224152-  
224163

Squire Dr

224164-224167

223152-223171  
223985001

Squire Ct

224168-  
224173

224992

Hilbert La

Red Oak Cir

224030-224041  
224048-224067



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.



October 31, 2012

Project Reference #12442

Stonewood Homes & Condominiums  
c/o Mr. Shaun Nelson  
Hunt Management  
10520 N. Baehr Road, Suite Q  
Mequon, WI 53092

**Certified Mail**

**Subject: Notice of Residual Petroleum Hydrocarbon Groundwater Impacts  
Stonewood Homes & Condominiums Property, Germantown, Wisconsin  
Portions of Parcels GTNV 224148 through 224163**

Dear Mr. Nelson:

Groundwater contamination that appears to have originated on the adjacent Jacobus Energy, Inc. property located at N116 W16261 Main Street, Germantown, Wisconsin has migrated onto a portion of the Stonewood Homes & Condominiums property referenced above. The levels of petroleum volatile organic compounds (PVOCs) in groundwater at the property are above the NR 140 Enforcement Standards (ESs). However, the dissolved PVOC plume in groundwater is stable or receding and will degrade over time. Natural attenuation processes will continue to clean up the residual subsurface impacts such that the requirements for regulatory case closure found in NR 726 and NR 746 will be met; the Wisconsin Department of Natural Resources (WDNR) will be requested to accept natural attenuation as a final remedy for this site and grant case closure. Closure means that the WDNR will not be requiring any further investigation or cleanup action to be taken, other than the reliance on natural attenuation.

Because the source of the groundwater contamination is not on the Stonewood Homes & Condominiums property, neither this entity nor any subsequent owner of your property will be held responsible for the investigation or cleanup of this PVOC contamination, as long as it and any subsequent owners comply with the requirements of section 292.13, Wisconsin Statutes, including allowing access to the property for environmental investigation or cleanup if access is required. To obtain a copy of the WDNR's publication #PUB-RR-589, Fact Sheet 10: "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", you may visit <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

The WDNR will not review the closure request for at least 30 days after the date of this letter. As an affected property owner, Stonewood Homes & Condominiums has a right to contact the WDNR to provide any technical information that may indicate that closure should not be granted for this site. If you would like to submit any information to the WDNR that is relevant to this closure request, please mail that information to: Mr. John Feeney, WDNR Plymouth Service Center, Remediation & Redevelopment Program, 1155 Pilgrim Road, Plymouth, WI 53073.

Stonewood Homes & Condominiums  
October 31, 2012

Page 2

If this case is closed, all properties within the site boundaries where groundwater contamination exceeds NR 140 ESs will be listed on the WDNR's Geographic Information System (GIS) Registry of Closed Remediation Sites. The information on the GIS Registry includes maps showing the location of properties in Wisconsin where soil and/or groundwater impacts above applicable standards were present at the time that the case was closed. The GIS Registry will be available to the general public on the WDNR's internet web site. Please review the enclosed maps, including the map printout from the Washington County GIS website, and pass along this information to the Stonewood Homes & Condominiums condo association (understood to be the physical land owner) and/or individual condominium owners. Please contact Sigma or Jacobus within the next 30 days if you have questions about the maps.

After the WDNR makes a decision on the closure request, it will be documented in a letter. If the WDNR grants closure, Stonewood Homes & Condominiums may obtain a copy of the closure letter by requesting a copy from Jacobus or Sigma, by writing to the WDNR address given above, or by accessing the WDNR GIS Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. A copy of the closure letter will be included as part of the site file attached on the GIS Registry.

Should the current property owner or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the residual subsurface contamination. Any well driller who proposes to construct a well on the property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf>.

If you need more information, you may contact Mike Helgesen of Jacobus (11815 W. Bradley Road, Milwaukee, WI 53224; phone number 414-577-0217) or Adam Roder of Sigma (1300 W. Canal Street, Milwaukee, WI 53233; phone number 414-643-4200).

Sincerely,

**SIGMA ENVIRONMENTAL SERVICES, INC.**



Adam J. Roder, P.E.  
Senior Engineer



Randy E. Boness, P.G.  
Geosciences Group Leader

Enclosures:

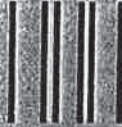
Shallow Groundwater Quality Map  
Deeper Groundwater Quality Map  
Washington County GIS Map

cc: Mr. Mike Helgesen - Jacobus Energy, Inc.



OFF-SOURCE  
C  
PROPERTY

UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

The Sigma Group  
1300 West Canal Street  
Milwaukee, WI 53233

Jacobus 12442 ASR 10/31/12



**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hunt Management  
10520 N Sachs Road  
Mequon, WI 53092

2. Article Number

(Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *[Handwritten Signature]*

Agent

Addressee

B. Received by (Printed Name)

*Nicole Watson*

C. Date of Delivery

*11-14-12*

D. Is delivery address different from item 1?

Yes

If YES, enter delivery address below:

No

3. Service Type

Certified Mail  Express Mail

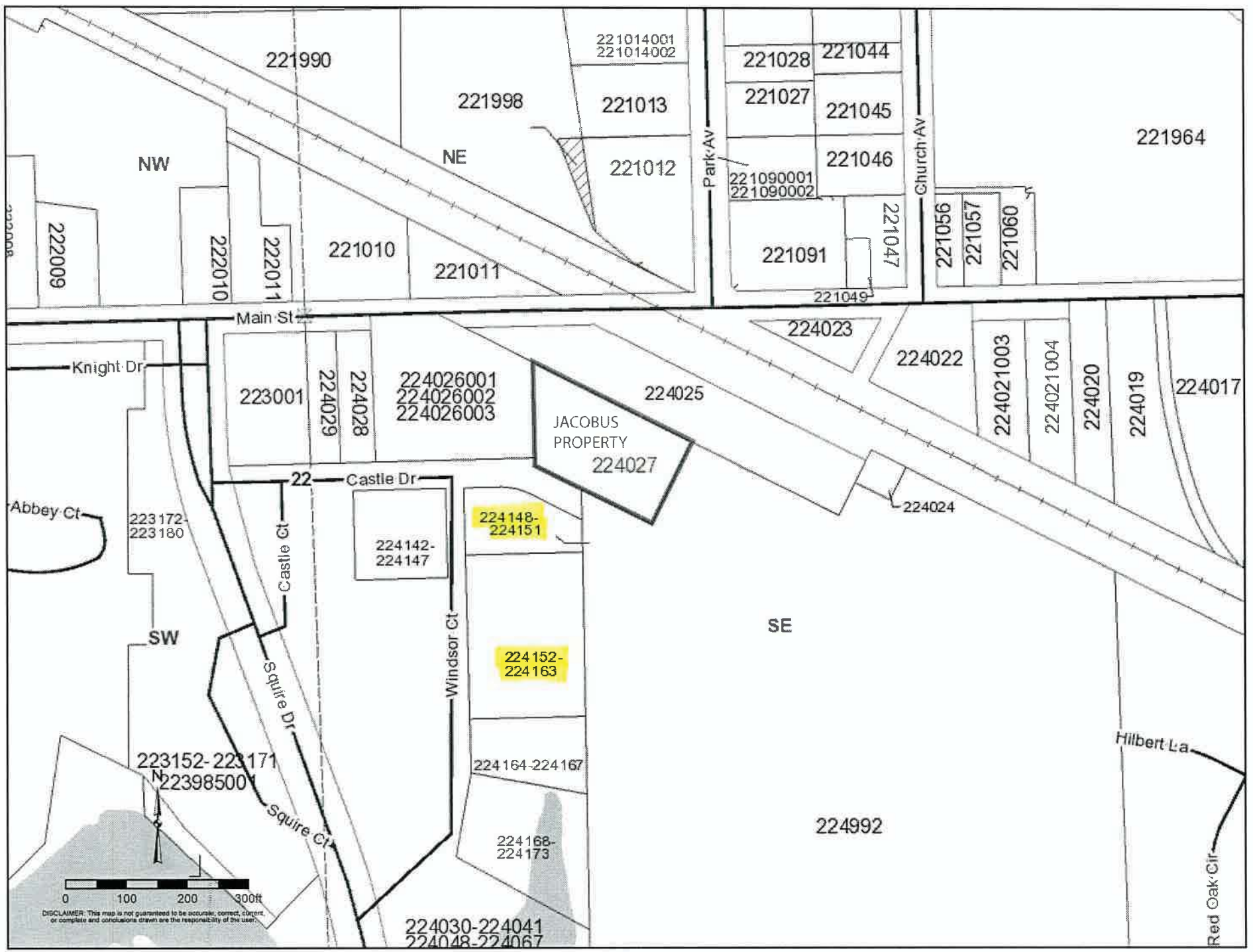
Registered  Return Receipt for Merchandise

Insured Mail  C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes

7010 1870 0002 5054 7588



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.