

GIS REGISTRY  
Cover Sheet

March, 2010  
(RR 5367)

Source Property Information

CLOSURE DATE: Oct 14, 2010

BRRTS #: 02-41-001055  
ACTIVITY NAME: WEPCO Valley Plt  
PROPERTY ADDRESS: 1035 W. Canal St.  
MUNICIPALITY: Milwaukee  
PARCEL ID #: 427-0403-100-3

FID #: 241007800  
DATCP #:  
COMM #:

\*WTM COORDINATES:

X: 689147 Y: 286322

\*Coordinates are in  
WTM83, NAD83 (1991)

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
- Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

- Groundwater Contamination > ES (236)
  - Contamination in ROW
  - Off-Source Contamination  
*(note: for list of off-source properties see "Impacted Off-Source Property" form)*
- Soil Contamination > \*RCL or \*\*SSRCL (232)
  - Contamination in ROW
  - Off-Source Contamination  
*(note: for list of off-source properties see "Impacted Off-Source Property" form)*

Land Use Controls:

- N/A (Not Applicable)
- Soil: maintain industrial zoning (220)  
*(note: soil contamination concentrations between non-industrial and industrial levels)*
- Structural Impediment (224)
- Site Specific Condition (228) *Fire Product*
- Cover or Barrier (222)  
*(note: maintenance plan for groundwater or direct contact)*
- Vapor Mitigation (226)
- Maintain Liability Exemption (230)  
*(note: local government unit or economic development corporation was directed to take a response action)*

Monitoring Wells:

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

- Yes
- No
- N/A

\*Residual Contaminant Level  
\*\*Site Specific Residual Contaminant Level

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

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

BRRTS #: 02-41-001055

PARCEL ID #: 427-0403-100-3 (Tax Key)

ACTIVITY NAME: We Energies VAPP Diesel Fuel Recovery System

WTM COORDINATES: X: 689147 Y: 286322

**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.)
- 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 8.5 x 14 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 Vicinity Map and Cap Extent (Revised Nov. 2009)**

**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 #: 5                      Title: Post-Remedial Soil Conditions**

BRRTS #: 02-41-001055

ACTIVITY NAME: We Energies VAPP Diesel Fuel Recovery System

**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 #: 6 Title: Post-Remedial Geologic Cross-Section**

**Figure #: Title:**

**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 #: 7A Title: Groundwater Concentrations (Supplemental Figure provided to WDNR August 2009)**

**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 #: 8 Title: Groundwater Elevation Contour Map February 2008**

**Figure #: 9 Title: Groundwater Elevation Contour Map August 2008**

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

Tables must be no larger than 8.5 x 14 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 #: 2 Title: Post-Remedial Soil Analytical Results - Contaminants of Concern**

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

**Table #: 3, 4, 5 Title: Groundwater Analytical Laboratory Results - PVOCs and DRO, - PAHs, - RNA**

**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 #: 6 Title: Summary of Groundwater and Free Product Measurement Data**

**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 #: 2 Title: Site Vicinity Map and Cap Extent (Revised Nov. 2009)**

**Well Construction Report:** Form 4440-113A for the applicable monitoring wells. Well W-6 (Only Soil Boring Log Form 4400-122 could be found)

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

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

BRRTS #: 02-41-001055

ACTIVITY NAME: We Energies VAPP Diesel Fuel Recovery System

**NOTIFICATIONS**

**Source Property** N/A

- 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** N/A

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

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.  
*Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.*  
**Number of "Off-Source" Letters:**
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.  
*Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.*
- 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: 2**



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

October 14, 2010

Mr. Trent Kohl  
WE Energies  
333 W. Everett St.  
Milwaukee, WI 53203

**SUBJECT:** Final Case Closure with Continuing Obligations  
WE Energies VAPP Diesel Fuel Recovery System,  
1035 W. Canal St., Milwaukee, WI  
WDNR BRRTS Activity #: 02-41-001055 / FID# 241007800

Dear Mr. Kohl:

On August 4, 2009, the Southeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On September 15, 2009, you were notified that the Closure Committee had granted conditional closure to this case.

On November 23, 2009 the Department received information or documentation indicating that you have complied with the requirements for final closure. Well abandonment forms and an update to the GIS package for a monitoring well that could not be properly abandoned.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.

### GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- One or more monitoring wells were not located and must be properly abandoned if found

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior

Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

### **Closure Conditions**

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

### **Cover or Barrier**

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map shall be maintained in compliance with the **attached maintenance plan** in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection log are to be kept up-to-date and on-site. Please submit the inspection log to the Department only upon request.

### **Prohibited Activities**

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

### **Residual Groundwater Contamination**

Groundwater impacted by free product petroleum contamination is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been

collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

### **Monitoring Wells that could not be Properly Abandoned**

On November 23, 2009 your consultant Natural Resource Technology notified the Department that a monitoring well (W-6) located on the WE Energies Valley Power Plant property depicted on the attached map, could not be properly abandoned because they were missing due to being paved over, covered or removed during site development activities. Your consultant has made a reasonable effort to locate the well depicted on the attached map and to properly abandoned it, but has been unsuccessful in those efforts. You need to understand that in the future you may be held liable for any problems associated with monitoring well W-6 if it creates a conduit for contaminants to enter groundwater. If in the future the groundwater monitoring well is found, the then current owner of the property on which the well is located will be required to notify the Department, to properly abandon the wells in compliance with the requirements in ch. NR 141, Wis. Adm. Code, and to submit the required documentation of that abandonment to the Department.

Because this monitoring well was not properly abandoned, the site will be listed on the DNR Remediation and Redevelopment GIS Registry.

### **Chapter NR 140, Wis. Adm. Code Exemption**

Recent groundwater monitoring data at this site indicates that for benzene, chrysene, benzo(a)pyrene, and benzo(b)floranthene at W-2 and benzene and chrysene at W-9, contaminant levels exceed the NR 140 preventive action limit (PAL) but are below the enforcement standard (ES). The Department may grant an exemption to a PAL for a substance of public health concern, other than nitrate, pursuant to s. NR 140.28(2)(b), Wis. Adm. Code, if all of the following criteria are met:

1. The measured or anticipated increase in the concentration of the substance will be minimized to the extent technically and economically feasible.
2. Compliance with the PAL is either not technically or economically feasible.
3. The enforcement standard for the substance will not be attained or exceeded at the point of standards application. [Note: at this site the point of standards application is all points where groundwater is monitored.]
4. Any existing or projected increase in the concentration of the substance above the background concentration does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that these criteria have been or will be met due to the contaminated soil excavation and the free product removal conducted at the site. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the PAL is granted for benzene, chrysene, benzo(a)pyrene, and benzo(b)floranthene at W-2 and benzene and chrysene at W-9. Please keep this letter, because it serves as your exemption.

## Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- One or more monitoring wells that were not located is found and properly abandoned

Please send written notifications in accordance with the above requirements to the Southeast Region Headquarters, to the attention of Victoria Stovall.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Margaret Brunette at (414)263-8557.

Sincerely,

A handwritten signature in cursive script that reads "James A. Schmidt".

James A. Schmidt, Team Supervisor  
Southeast Region Remediation & Redevelopment Program

cc: Bill Phelps, DG/5  
Julie Zimdars – NRT (electronic copy without attach.)



# **CAP MAINTENANCE PLAN**

**March 2009**

## **We Energies Valley Power Plant - Diesel Fuel Release Area**

**1035 West Canal Street, Milwaukee, Wisconsin**

**FID 241007800/WDNR BRRTS # 02-41-001055**

**Tax Key # 427-0403-100**

Certified Survey Map No. 3197 in the NW ¼, NW ¼, Section 32, T7N, R22E, City of Milwaukee, Milwaukee County, Wisconsin.

### **Introduction**

This document is the Cap Maintenance Plan associated with the soil performance standard cover system to be implemented as part of the case closure at the above-referenced property. The cap inspection and repair activities relate to the cap components including buildings, concrete and compacted gravel that cover the surface over which residual diesel fuel product and historic fill are present. Direct contact protection from the historic fill (foundry sand, coal, cinders, etc.) is necessary outside the fenced-in power plant property, in the Wisconsin Department of Transportation (WisDOT) easement for the I-94/I-43 overpass. The extent of the cap to be maintained in accordance with this Maintenance Plan is identified on attached Figure 2. The extent of post-remedial soil impacts is shown on attached Figure 5. Attached Table 2 contains the post-remedial soil analytical results for the contaminants of concern.

### **Cap Purpose**

There are two types of caps, each with its own purpose, being used as land use controls as part of the case closure including:

- 1) The building and concrete cap serves to minimize infiltration. This cap is within the fenced-in power plant area. Natural attenuation of the limited remaining diesel product and low level groundwater contamination at well locations W-2 and W-9 has been demonstrated to be effective with the current cap conditions. The cap also extends over the geoprobe G-2 location, which contained an NR 746 Table 1 exceedance for 1,3,5-Trimethylbenzene.
- 2) The compacted gravel cover serves as a barrier to prevent direct human contact with the historic fill containing elevated arsenic concentrations (i.e. GP009). This gravel cover is within the WisDOT easement area and is adjacent to the gravel cover maintained on the 841 W. Canal St property (closed BRRTS# 02-41-455148). This surface is not intended to act as an infiltration barrier.

Based on the current and future use of the property, the caps should function as intended unless disturbed or degraded.

### **Annual Inspection**

Both caps will be inspected annually, preferably in the spring following the melt of the last seasonal snow/ice event.

The building and concrete cap area will be inspected for the following distressed or changed conditions:

- Potholes (greater than approximately 2 ft in diameter)
- Appreciably depressed or ponded water areas
- Other changed conditions which has deteriorated the cap

## **Cap Maintenance Plan (Cont.)**

The gravel cover area will be inspected for the following distressed or changed conditions:

- Erosion or ruts
- Bare soil areas
- Signs of animal burrows

The inspection will identify conditions that already have or may lead to potential circumstances that allow exposure to underlying soil or pathways for infiltration. These conditions may be caused by settling, weather exposure, traffic wear, age, and other factors. An inspection log (attached) will be completed for each cap type and each inspection or repair date and will provide documentation of areas of potential or likely cap distress and associated repairs undertaken.

### **Maintenance Activities**

We Energies will schedule the repair to the cap as soon as practical for the conditions noted during annual inspection(s) or at other times of the year. Repairs may include patching and/or filling activities, or as determined necessary by We Energies. Repair measures will be logged including date, location and who performed the repair. Photographs will be taken to record the repair activities. The repaired area will be inspected after the repair activities to confirm the integrity of the cap.

In the event that necessary maintenance and/or site activities expose the underlying soil, We Energies will inform maintenance and/or construction workers of the contaminated nature of the soil and direct contact exposure hazard. Excavated soil will be managed in accordance with applicable local and state requirements.

### **Documents and Records**

We Energies will maintain a copy of this Maintenance Plan on-site with access open to interested parties (e.g., on-site employees, contractors, future property owners, etc.). We Energies will retain a copy of the cap inspection logs for a period of at least five years, unless otherwise directed in the case closure letter.

### **Prohibited Activities**

Unless written approval has been obtained from WDNR, the capped areas should not be disturbed or modified.

### **Amendment or Withdrawal of Maintenance Plan**

This Maintenance Plan may be amended or withdrawn by We Energies and its successors with the written approval of WDNR.

### **Contact Information**

Site Owner and Operator: We Energies  
Contact: Trent Kohl  
333 West Everett Street  
Milwaukee, WI 53203  
414-221-2438  
[Trent.Kohl@we-energies.com](mailto:Trent.Kohl@we-energies.com)

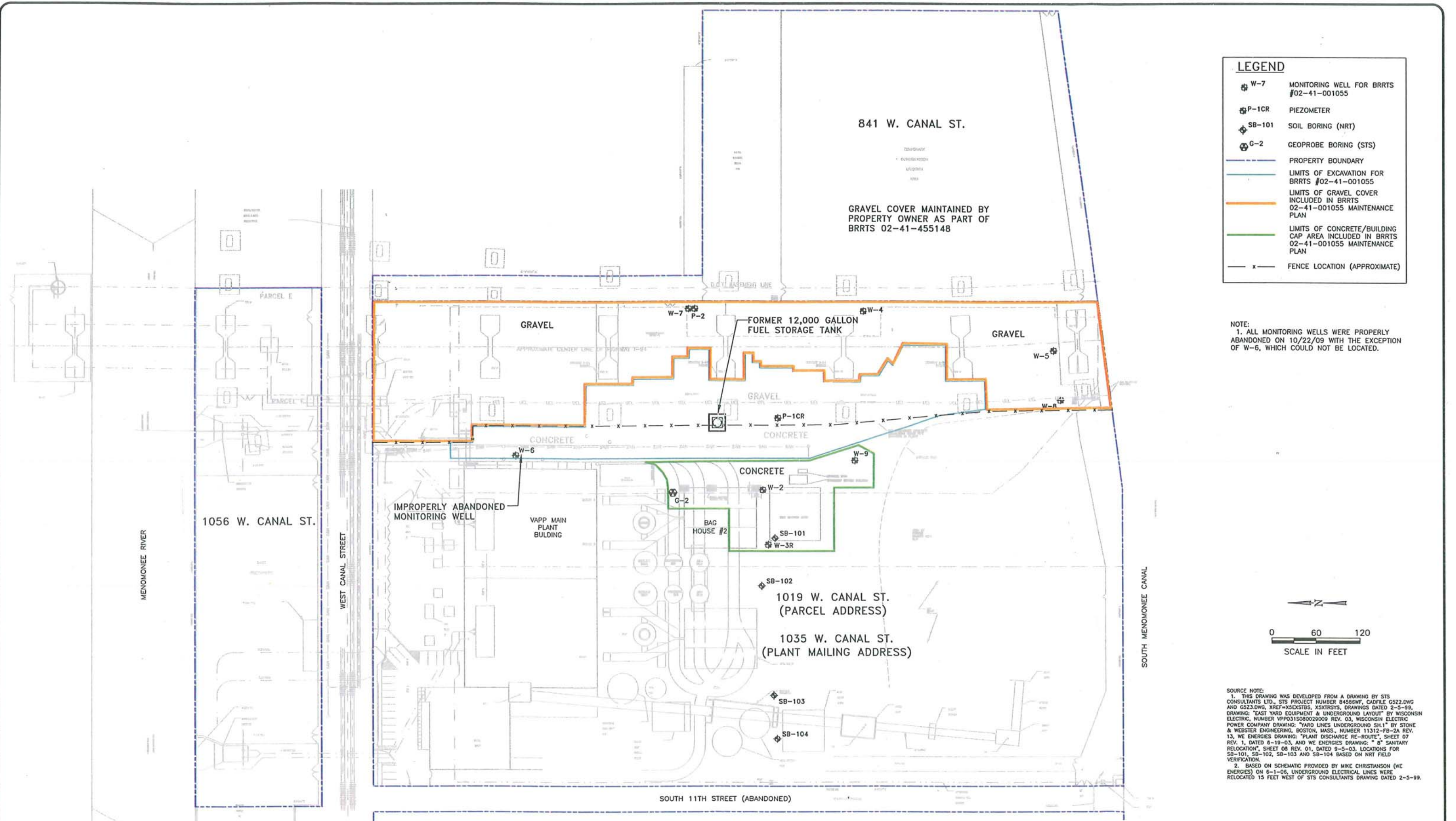
Consultant: Natural Resource Technology, Inc.  
Contact: Julie Zimdars, PE  
23713 W. Paul Road, Unit D  
Pewaukee, WI 53072  
262-523-9000  
[jzimdars@naturalrt.com](mailto:jzimdars@naturalrt.com)

***Cap Maintenance Plan (Cont.)***

Attachments: Figure 2 - Site Vicinity Map and Cap Extent  
Figure 5 - Post Remedial Soil Conditions  
Table 2 - Post-Remedial Soil Analytical Results (Contaminants of Concern)  
Cap Inspection Log – Concrete/Building Cap  
Cap Inspection Log – Gravel Cover

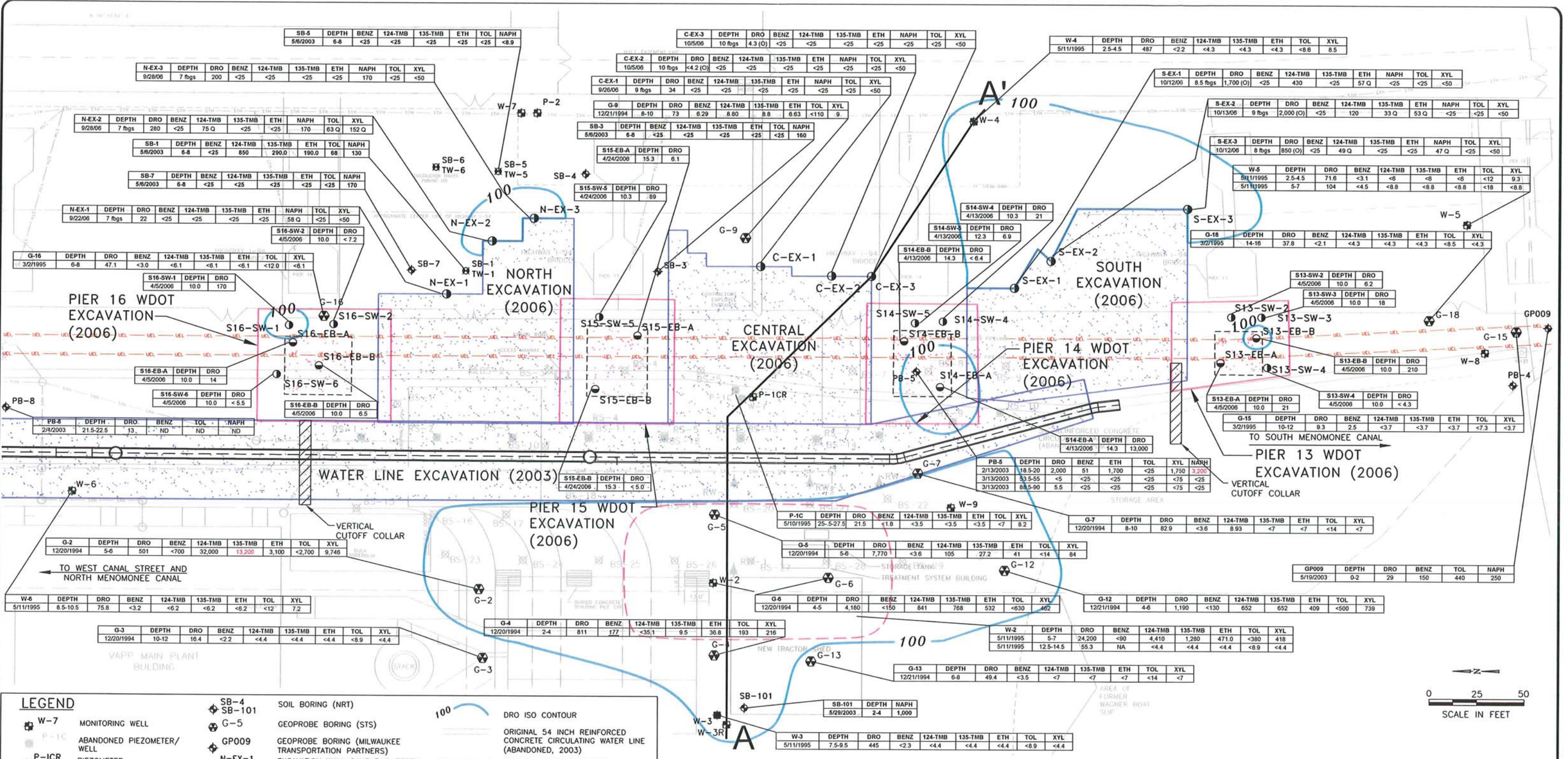
LEGEND	
	MONITORING WELL FOR BRRTS #02-41-001055
	PIEZOMETER
	SOIL BORING (NRT)
	GEOPROBE BORING (STS)
	PROPERTY BOUNDARY
	LIMITS OF EXCAVATION FOR BRRTS #02-41-001055
	LIMITS OF GRAVEL COVER INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
	LIMITS OF CONCRETE/BUILDING CAP AREA INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
	FENCE LOCATION (APPROXIMATE)

NOTE:  
 1. ALL MONITORING WELLS WERE PROPERLY ABANDONED ON 10/22/09 WITH THE EXCEPTION OF W-6, WHICH COULD NOT BE LOCATED.



	PROJECT NO. 1609/10	<b>SITE VICINITY MAP AND CAP EXTENT</b> SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN	FIGURE NO. 2
	DRAWN BY: KNW 02/27/09		
	CHECKED BY: R/JG 02/25/09		
	APPROVED BY: JAZ 11/16/09		
DRAWING NO: 1609-10-B01C		REFERENCE: .	





**LEGEND**

- W-7 MONITORING WELL
- P-1C ABANDONED PIEZOMETER/WELL
- P-1CR PIEZOMETER
- PB-5 SOIL BORING (MILWAUKEE TRANSPORTATION PARTNERS)
- LIMITS OF REMEDIATION
- FOOTPRINT OF BASE OF PIER EXCAVATION
- FOOTPRINT OF TOP OF PIER EXCAVATION, SLOPE 1:1
- SB-4 SOIL BORING (NRT)
- SB-101 SOIL BORING (NRT)
- G-5 GEOPROBE BORING (STS)
- GP009 GEOPROBE BORING (MILWAUKEE TRANSPORTATION PARTNERS)
- N-EX-1 EXCAVATION WALL SAMPLE @ DEPTH, FEET BELOW GROUND SURFACE (fbgs)
- 15-EB-B EXCAVATION BASE SAMPLE LOCATION
- ABANDONED RECOVERY SUMP
- MANHOLE
- ABANDONED RECOVERY WELL
- ABANDONED BIOSLURPING WELL
- DRO ISO CONTOUR
- ORIGINAL 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE (ABANDONED, 2003)
- NEW 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE, POTABLE WATER LINE AND ELECTRICAL DUCT PACKAGE
- UNDERGROUND ELECTRICAL
- WATER LINE
- STORM SEWER
- NEW SANITARY SEWER
- ESTIMATED FREE PRODUCT EXTENT (0.02 FT. THICK)

Sample Location	DEPTH	DRO	BENZ	124-TMB	135-TMB	ETH	TOL	XYL
Sample Date	feet, below ground surface		Diesel Range Organics	Benzene	124-Trimethylbenzene	135-Trimethylbenzene	Ethylbenzene	Naphthalene
Soil Screening Levels	fbgs	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		100	8,500	83,000	11,000	4,600	2,700	38,000

Red = Level exceeds NR746 Table 1 value.  
 Notes:  
 <25: Analyte was not detected above the limit of detection (LOD) indicated  
 µg/kg: Micrograms per kilogram  
 mg/kg: Milligram per kilogram  
 fbgs: Depth measured in feet below ground surface.  
 Q: The analyte has been detected between the limit of detection (LOD) and the limit of quantification (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.  
 O: Sample received overweight.  
 ns: Standard not established.  
 ND: Analyte was not detected.

**GENERAL NOTES:**

- MONITORING WELLS W-1 THROUGH W-6 WERE COMPLETED BY STS CONSULTANTS LTD. (STS) IN 1995.
- PIEZOMETER P-1C WAS INSTALLED BY STS IN 1995.
- BIOSLURPING WELLS BS-1 THROUGH BS-30 WERE INSTALLED BY STS IN 1998.
- MONITORING WELL W-7 AND W-8 WERE INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2003.
- PIEZOMETER P-2 WAS INSTALLED BY NRT IN 2003.
- SOIL BORINGS SB-1 THROUGH SB-7 AND TEMPORARY WELLS TW-1, TW-2, TW-5 AND TW-6 WERE INSTALLED BY NRT IN 2003.
- RECOVERY SUMPS RS-1 THROUGH RS-10 WERE INSTALLED BY WE ENERGIES CONTRACTOR (BARTON MALOW) DURING COMPLETION OF THE CIRCULATING WATER LINE RELOCATION ACTIVITIES.
- RECOVERY WELLS RW-1 THROUGH RW-4 WERE INSTALLED BY WE ENERGIES CONTRACTOR (BARTON MALOW) DURING COMPLETION OF THE CIRCULATING WATER LINE RELOCATION ACTIVITIES.
- ABANDONMENT OF THE ORIGINAL AND INSTALLATION OF THE NEW 54 INCH WATER CIRCULATION LINE AND SANITARY SEWER LINES, RESPECTIVELY, WERE PERFORMED BY WE ENERGIES IN 2003.
- TREATMENT WELLS BS-2, BS-3, BS-5, BS-6, BS-7, BS-8, BS-9 AND RS-10 WERE ABANDONED BY NRT IN CONFORMANCE WITH WAC NR 141 ON DECEMBER 7, 2005.
- TREATMENT WELLS BS-1, BS-4 AND BS-9 ARE ASSUMED TO HAVE BEEN ABANDONED DURING EXCAVATION ACTIVITIES BETWEEN DECEMBER 2005 AND OCTOBER 2006. MONITORING WELL W-1 WAS ABANDONED DURING REMEDIAL EXCAVATION ACTIVITIES IN CONFORMANCE WITH WAC NR 141 ON SEPTEMBER 22, 2006.
- TREATMENT WELLS RS-1 THROUGH RS-8, AND RW-1 THROUGH RW-4 WERE ABANDONED BY EDGERTON CONTRACTORS (SUBCONTRACTED TO THE SIGMA GROUP) IN CONFORMANCE WITH WAC NR 141 ON OCTOBER 20, 2006.

**2006 EXCAVATION NOTES:**

- WEST LIMITS OF THE EXCAVATION WERE BOUND BY A PREVIOUS EXCAVATION (2003). THE PREVIOUS EXCAVATION CONSISTED OF THE INSTALLATION OF A WATER CIRCULATION LINE, AN ELECTRICAL DUCT BANK AND POTABLE WATER LINE. THESE UNDERGROUND UTILITIES WERE BACKFILLED WITH PEA GRAVEL AND THE CONTRACTOR STOPPED THE EXCAVATION ON THE WESTERN LIMIT WHEN THE PEA GRAVEL WAS ENCOUNTERED.
- DURING WDOT/JANUQUETTE INTERCHANGE CONSTRUCTION (SPRING 2006), FOUR PIER EXCAVATIONS WERE LOCATED WITHIN THE LIMITS OF THE FORMER DIESEL RELEASE (AS SHOWN). DOCUMENTATION SOIL SAMPLES WERE COLLECTED AT THE BASE OF THE EXCAVATIONS AND ON THE SIDEWALLS APPROXIMATELY 0.5- FEET ABOVE THE LEVEL OF GROUNDWATER. RESULTS OF THE EXCAVATION BASE SAMPLES AND THE EASTERN SIDEWALL SAMPLES (EASTERN LIMIT) ARE SHOWN. THE NORTHERN SIDEWALL SAMPLE AT PIER 16 AND THE SOUTHERN SIDEWALL SAMPLE OF PIER 13 ARE ALSO SHOWN SINCE THE REMEDIATION EXCAVATIONS DID NOT PROCEED IN THIS DIRECTION.
- REMEDIAL EXCAVATION WAS PERFORMED (FALL 2006) IN THE AREAS SHOWN. DOCUMENTATION SOIL SAMPLES WERE COLLECTED ON THE EASTERN SIDEWALL 0.5- FEET ABOVE THE LEVEL OF GROUNDWATER AT THE POINT WHERE EITHER DIESEL PRODUCT WAS NO LONGER DETECTED IN THE SOIL OR WHERE EXCAVATION WAS NO LONGER FEASIBLE DUE TO STABILITY CONSTRAINTS OF OTHER SUB- OR SUPER-STRUCTURES LOCATED IN THE VICINITY.

**SOURCE NOTE:**

- THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER 84586WF, CADFILE G522.DWG AND G523.DWG, XREF=X523STS, X523RVS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER VPP0315080029009 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH-1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13. WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET OF REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING: "B" SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.
- BASED ON SCHEMATIC PROVIDED BY MIKE CHRISTIANSON (WE ENERGIES) ON 6-1-06, UNDERGROUND ELECTRICAL LINES WERE RELOCATED 15 FEET WEST OF STS CONSULTANTS DRAWING DATED 2-5-99.

**NATURAL RESOURCE TECHNOLOGY**

PROJECT NO. 1609/10  
 DRAWN BY: KNN/RLH 01/22/07  
 CHECKED BY: RJG 02/25/09  
 APPROVED BY: JAZ 03/27/09

**POST-REMEDIAL SOIL CONDITIONS**

SITE CLOSURE  
 VALLEY POWER PLANT  
 WE ENERGIES  
 MILWAUKEE, WISCONSIN

DRAWING NO: 1609-10-B10C  
 REFERENCE: .

FIGURE NO. 5



**Table 2. Post-Remedial Soil Analytical Results - Contaminants of Concern**  
**Site Closure**  
**Project # 1609 We Energies-Valley Power Plant**  
**1035 W. Canal Street, Milwaukee, WI**  
**BRRTS#: 0241001055 FID #: 241007800**

Sample ID	Sample Depth (ft)	Sample Date	Diesel Range Organics (mg/kg)	Volatile Organic Compounds (µg/kg)							Arenic (mg/kg)	
				1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichloroethane	Benzene	Ethylbenzene	Naphthalene	Toluene		Xylenes, Total
<b>Wisconsin Administrative Code NR 720 Residual Contaminant Levels (RCLs), September 2007</b>												
NR 720 RCLs			100	ns	ns	4.9	5.5	2,900	ns	1,500	4,100	1.6
<b>Wisconsin Administrative Code NR 746 Soil Screening Levels (SSLs), January 2001</b>												
NR 746 SSLs			ns	83,000	11,000	600	8,500	4,600	2,700	38,000	42,000	ns
G-2 S-3A	5 - 6	12/20/1994	501	32,000	13,200	--	<700	3,100	--	<2700	9,746	--
G-3 S-5	10 - 12	12/20/1994	16.4	<4.4	<4.4	--	<2.2	<4.4	--	<8.9	<4.4	--
G-4 S-2	2 - 4	12/20/1994	811	<35.1	9.5	--	177	36.8	--	193	216	--
G-5 S-3A	5 - 6	12/20/1994	7,770	105	27.2	--	<3.6	41	--	<14	84.4	--
G-6 S-3	4 - 5	12/20/1994	4,180	841	768	--	<150	532	--	<630	462	--
G-7 S-5	8 - 10	12/20/1994	82.9	8.93	<7	--	<3.6	<7	--	<14	<7	--
G-9 S-5	8 - 10	12/21/1994	73	8.8	8.8	--	6.29	6.63	--	<110	9.4	--
G-12 S-3	4 - 6	12/21/1994	1,190	652	652	--	<130	409	--	<500	739	--
G-13 S-4	6 - 8	12/21/1994	49.4	<7	<7	--	<3.5	<7	--	<14	<7	--
G-15 S-6	10 - 12	3/2/1995	9.32	<3.7	<3.7	--	2.5	<3.7	--	<7.3	<3.7	--
G-16 S-4	6 - 8	3/2/1995	47.1	<6.1	<6.1	--	<3.0	<6.1	--	<12.0	<6.1	--
G-18 S-8	14 - 16	3/2/1995	37.8	<4.3	<4.3	--	<2.1	<4.3	--	<8.5	<4.3	--
P-1C S-11	25.5 - 27.5	5/10/1995	21.5	<3.5	<3.5	--	<1.8	<3.5	--	<7	8.2	--
W-2 S-3	5 - 7	5/11/1995	24,200	4,410	1,280	--	<90	471	--	<380	418	--
W-2 S-6	12.5 - 14.5	5/11/1995	55.3	--	--	--	--	--	--	--	--	--
W-3 S-4	7.5 - 9.5	5/11/1995	445	<4.4	<4.4	--	<2.3	<4.4	--	<8.9	<4.4	--
W-4 S-2	2.5 - 4.5	5/11/1995	487	<4.3	<4.3	--	<2.2	<4.3	--	<8.6	8.5	--
W-5 S-2	2.5 - 4.5	5/11/1995	71.6	<6	<6	--	<3.1	<6	--	<12	9.3	--
W-5 S-3	5 - 7	5/11/1995	104	<8.8	<8.8	--	<4.5	<8.8	--	<18	<8.8	--
W-6 S-4	8.5 - 10.5	5/11/1995	75.8	<6.2	<6.2	--	<3.2	<6.2	--	<12	7.2	--
PB-8	21.5-22.5	2/4/2003	13	--	--	--	ND	--	--	ND	--	2.1
PB-5	18.5-20	2/13/2003	2,000	6,000	1,400	<25	51	1,700	3,200	<25	1,750	2.1
PB-5	53.5-55	3/13/2003	<5	<25	<25	<25	<25	<25	<25	<25	<75	3.7
PB-5	88.5-90	3/13/2003	5.5	<25	<25	<25	<25	<25	<25	<25	<75	12
SB-1	6-8	5/6/2003	--	850	290	--	<25	190	130	68	--	--
SB-3	6-8	5/6/2003	--	<25	<25	--	<25	<25	160	<25	--	--
SB-5	6-8	5/6/2003	--	<25	<25	--	<25	<25	<8.9	<25	--	--
SB-7	6-8	5/6/2003	--	<25	<25	--	<25	<25	170	<25	--	--
GP009	0-2	5/19/2003	29	--	--	--	150	--	250	440	--	58
SB-101	2-4	5/29/2003	--	--	--	--	--	--	1,000	--	--	22
SB-102	2-4	5/29/2003	--	--	--	--	--	--	620	--	--	9.6
SB-103	2-4	5/29/2003	--	--	--	--	--	--	180	--	--	2.3
SB-104	2-4	5/29/2003	--	--	--	--	--	--	<8.6	--	--	4.2
S13-SW-1*	10.0	4/5/2006	26	--	--	--	--	--	--	--	--	--
S13-SW-2	10.0	4/5/2006	6.2	--	--	--	--	--	--	--	--	--
S13-SW-3	10.0	4/5/2006	18	--	--	--	--	--	--	--	--	--
S13-SW-4	10.0	4/5/2006	< 4.3	--	--	--	--	--	--	--	--	--
S13-SW-5*	10.0	4/5/2006	150	--	--	--	--	--	--	--	--	--
S13-SW-6*	10.0	4/5/2006	40	--	--	--	--	--	--	--	--	--
S13-EB-A	10.0	4/5/2006	21	--	--	--	--	--	--	--	--	--
S13-EB-B	10.0	4/5/2006	210	--	--	--	--	--	--	--	--	--
S16-SW-1	10.0	4/5/2006	170	--	--	--	--	--	--	--	--	--
S16-SW-2	10.0	4/5/2006	< 7.2	--	--	--	--	--	--	--	--	--
S16-SW-3*	10.0	4/5/2006	13	--	--	--	--	--	--	--	--	--
S16-SW-4*	10.0	4/5/2006	25	--	--	--	--	--	--	--	--	--
S16-SW-5*	10.0	4/5/2006	43	--	--	--	--	--	--	--	--	--
S16-SW-6	10.0	4/5/2006	< 5.5	--	--	--	--	--	--	--	--	--
S16-EB-A	10.0	4/5/2006	14	--	--	--	--	--	--	--	--	--



Table 2. Post-Remedial Soil Analytical Results - Contaminants of Concern

Site Closure  
 Project # 1609 We Energies-Valley Power Plant  
 1035 W. Canal Street, Milwaukee, WI  
 BRRTS#: 0241001055 FID #: 241007800

Sample ID	Sample Depth (ft)	Sample Date	Diesel Range Organics (mg/kg)	Volatile Organic Compounds (µg/kg)							Arsenic (mg/kg)	
				1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichloroethane	Benzene	Ethylbenzene	Naphthalene	Toluene		Xylenes, Total
<b>Wisconsin Administrative Code NR 720 Residual Contaminant Levels (RCLs), September 2007</b>												
<b>NR 720 RCLs</b>			<b>100</b>	<b>ns</b>	<b>ns</b>	<b>4.9</b>	<b>5.5</b>	<b>2,900</b>	<b>ns</b>	<b>1,500</b>	<b>4,100</b>	<b>1.6</b>
<b>Wisconsin Administrative Code NR 746 Soil Screening Levels (SSLs), January 2001</b>												
<b>NR 746 SSLs</b>			<b>ns</b>	<b>83,000</b>	<b>11,000</b>	<b>600</b>	<b>8,500</b>	<b>4,600</b>	<b>2,700</b>	<b>38,000</b>	<b>42,000</b>	<b>ns</b>
S16-EB-B	10.0	4/5/2006	6.5	--	--	--	--	--	--	--	--	--
S14-SW-1*	10.3	4/13/2006	<b>2,600</b>	--	--	--	--	--	--	--	--	--
S14-SW-2*	11.3	4/13/2006	<b>3,800</b>	--	--	--	--	--	--	--	--	--
S14-SW-3*	10.3	4/13/2006	<b>2,000</b>	--	--	--	--	--	--	--	--	--
S14-SW-4	10.3	4/13/2006	21	--	--	--	--	--	--	--	--	--
S14-SW-5	12.3	4/13/2006	6.9	--	--	--	--	--	--	--	--	--
S14-SW-6*	11.3	4/13/2006	<b>3,500</b>	--	--	--	--	--	--	--	--	--
S14-EB-A	14.3	4/13/2006	<b>13,000</b>	--	--	--	--	--	--	--	--	--
S14-EB-B	14.3	4/13/2006	< 6.4	--	--	--	--	--	--	--	--	--
S15-SW-1*	10.3	4/24/2006	<b>200</b>	--	--	--	--	--	--	--	--	--
S15-SW-2*	9.3	4/24/2006	<b>760</b>	--	--	--	--	--	--	--	--	--
S15-SW-3*	9.3	4/24/2006	<b>19,000</b>	--	--	--	--	--	--	--	--	--
S15-SW-4*	9.3	4/24/2006	<b>3,400</b>	--	--	--	--	--	--	--	--	--
S15-SW-5	10.3	4/24/2006	89	--	--	--	--	--	--	--	--	--
S15-SW-6	8.3	4/24/2006	<b>4,800</b>	--	--	--	--	--	--	--	--	--
S15-EB-A	15.3	4/24/2006	6.1	--	--	--	--	--	--	--	--	--
S15-EB-B	15.3	4/24/2006	< 5.0	--	--	--	--	--	--	--	--	--
N-EX-1	7.0	9/22/06	22	<25	<25	<25	<25	<25	58 Q	<25	<50	--
C-EX-1	9.0	9/26/06	34	<25	<25	<25	<25	<25	<25	<25	<50	--
N-EX-2	7.0	9/28/06	280	75 Q	<25	<25	<25	<25	170	63 Q	152 Q	--
N-EX-3	7.0	9/28/06	200	<25	<25	<25	<25	<25	170	<25	<50	--
C-EX-2	10.0	10/5/06	<4.2 (O)	<25	<25	<25	<25	<25	<25	<25	<50	--
C-EX-3	10.0	10/5/06	4.3 (O)	<25	<25	<25	<25	<25	<25	<25	<50	--
S-EX-1	8.5	10/12/06	<b>1,700 (O)</b>	430	<25	<25	<25	57 Q	<25	<25	<50	--
S-EX-3	8.0	10/12/06	<b>850 (O)</b>	49 Q	<25	<25	<25	<25	47 Q	<25	<50	--
S-EX-2	9.0	10/13/06	<b>2,000 (O)</b>	120	33 Q	<25	<25	53 Q	<25	<25	<50	--

10-LJPC-JCB, RJG/JAZ 03/09

**Notes:**

- 1) Refer to laboratory analytical reports for data qualifiers.
- \*: Sidewall samples were collected along adjoining excavation areas and were most likely excavated. These samples are not representative of post-remedial conditions.
- : Not analyzed
- µg/kg: Micrograms per kilogram.
- mg/kg: Milligram per kilogram.
- ns: Standard not established.
- <25: Analyte was not detected above limit of detection shown.
- O: The analyte has been detected between the limit of detection (LOD) and the limit of quantification (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- Q: Sample was received over weight at the lab.
- S13: Excavation number associated with pier number
- SW/EB: Sidewall/Excavation base sample
- 1: Sample number
- N/C/S: North/Central/South
- EX: Excavation sample
- ND: Not detected
- Bold & Underline:** Indicates NR746 SSL exceedance
- Italic & underline:** Indicates NR720 RCL exceedance



***CAP INSPECTION LOG – CONCRETE/BUILDING CAP***

**We Energies Valley Power Plant - Diesel Fuel Release Area**

**1035 West Canal Street, Milwaukee, Wisconsin**

**Tax Key # 427-0403-100**

**FID 241007800**

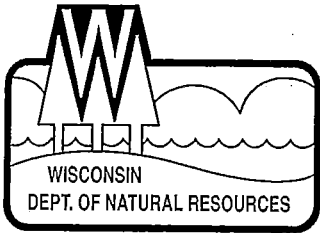
**WDNR BRRTS # 02-41-001055**

<b>Inspection Date</b>	<b>Inspector</b>	<b>Observation Location</b>	<b>Cover Condition</b>	<b>Photo (Yes / No)</b>	<b>Recommended Repair e.g., filling, patching, etc.</b>	<b>Repair Completion Date</b>	<b>Additional Comments</b>



***CAP INSPECTION LOG – GRAVEL COVER***  
**We Energies Valley Power Plant - Diesel Fuel Release Area**  
1035 West Canal Street, Milwaukee, Wisconsin  
Tax Key # 427-0403-100  
FID 241007800  
WDNR BRRTS # 02-41-001055

<b>Inspection Date</b>	<b>Inspector</b>	<b>Observation Location</b>	<b>Cover Condition</b>	<b>Photo (Yes / No)</b>	<b>Recommended Repair e.g., filling, patching, etc.</b>	<b>Repair Completion Date</b>	<b>Additional Comments</b>



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Matthew J. Frank, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8716  
TTY 414-263-8713

September 15, 2009

Mr. Trent Kohl  
We Energies  
333 W. Everett St.  
Milwaukee, WI 53203

Subject: Conditional Closure Decision,  
With Requirements to Achieve Final Closure  
We Energies VAPP Diesel Fuel Recovery System  
1035 W. Canal St., Milwaukee, Wisconsin  
WDNR BRRTS Activity # 02-41-001055 / FID# 241007800

Dear Mr. Kohl:

On August 4, 2009, the Department of Natural Resources Southeast Region Closure Committee reviewed your request for closure of the case described above. The closure committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the closure committee has determined that the petroleum contamination on the site from the leaking underground diesel fuel supply lines leading from a 12,000-gallon aboveground storage tank to the power plant's emergency generator located in the eastern portion of the main power plant building appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

### **MONITORING WELL ABANDONMENT**

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. It is understood that all recovery sumps and wells and bioslurping wells used during remediation have been properly abandoned. Documentation of well abandonment must be submitted to Victoria Stovall on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if

additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414)263-8557.

Sincerely,

A handwritten signature in cursive script that reads "Margaret Brunette".

Margaret Brunette, P.G.  
Hydrogeologist  
Remediation & Redevelopment Program

cc: Julie Zimdars - NRT

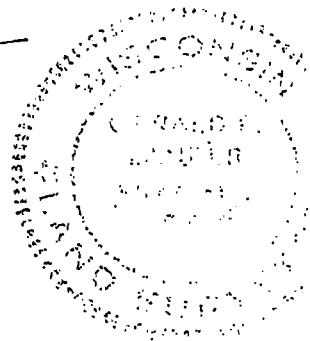
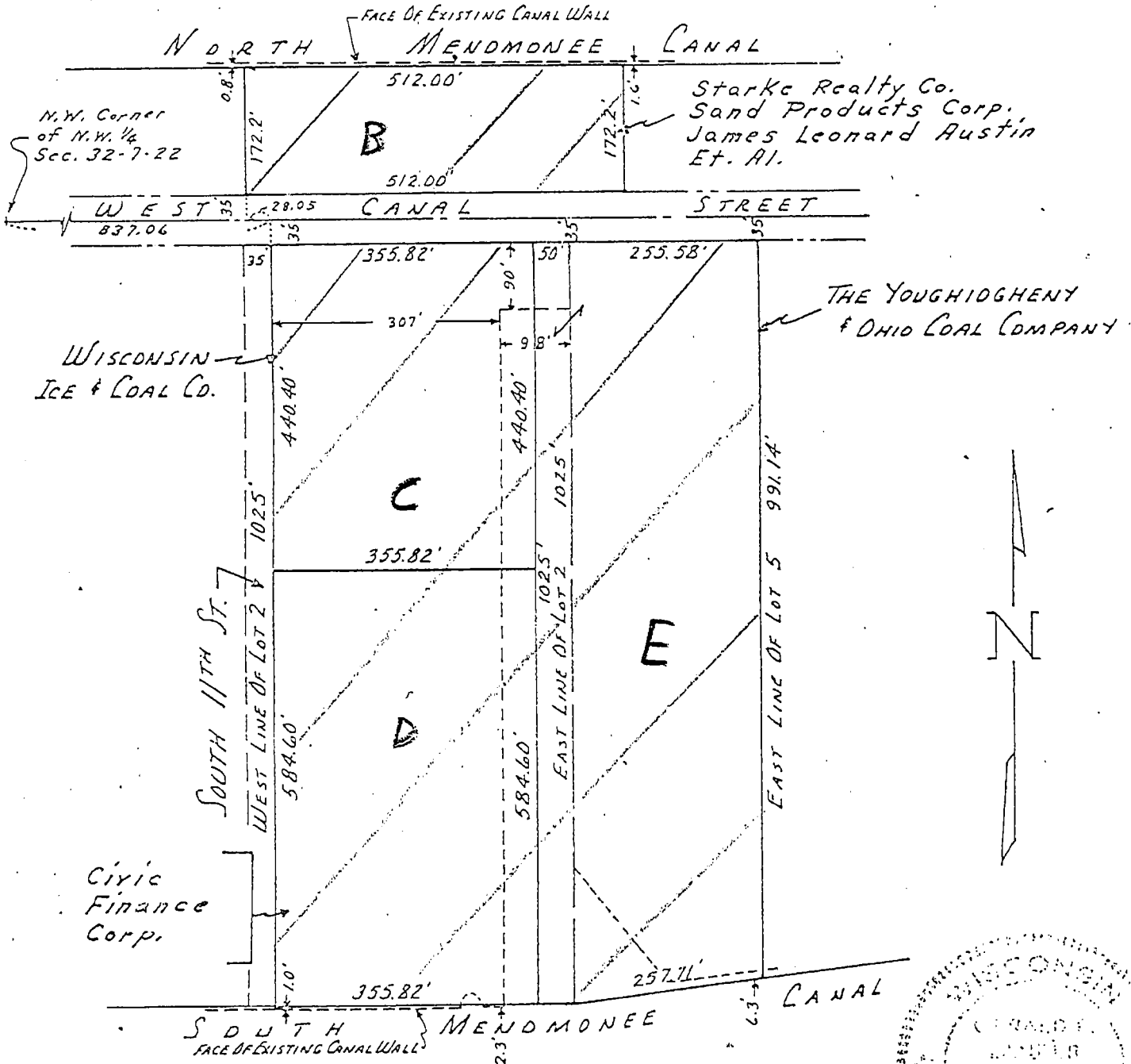
WISCONSIN SURVEYS & ENGINEERING

Surveying — Mapping — Engineering  
537 N. Hawley Rd. Milwaukee, Wis. 53213 Phone 476-8080

PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company  
Address of Property: South 11th Street and West Canal Street

Description: See pages 2 to 7 for details



State of Wisconsin }  
County of Milwaukee } ss.

Scale: 1/4" = 200 FT.

I hereby certify that I have surveyed the above described property, that the above plat is a true representation thereof and correctly shows the exterior boundary lines, location of buildings and other improvements thereon.

Date of survey: February 12, 1966

Gerald E. Zander  
Registered Land Surveyor

REC 292 REC 342

W A S H I N G T O N D E C R E E T

1507

THIS INSTRUMENT, Made this 29th day of January, A.D.,

1966, between THE YOUGHIOGHENY & OHIO COAL COMPANY, also known as The Youghiogheny and Ohio Coal Company, an Ohio corporation, party of the first part, and WISCONSIN ELECTRIC POWER COMPANY, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

WHEREAS, That the said party of the first part, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does 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 Milwaukee and State of Wisconsin, to-wit:

That part of Lot Five (5), in Partition of Lot One (1) in Partition of Northwest one-quarter (NW<sup>1</sup>/<sub>4</sub>) of Section Thirty-two (32), and of Lot Two (2), in Subd. and Partition of Northwest one-quarter (NW<sup>1</sup>/<sub>4</sub>) of Section Thirty-two (32), all in Township Seven (7) North, Range Twenty-two (22) East, City of Milwaukee, which is bounded by a line beginning at the intersection of the east line of said Lot Five (5) with the south line of West Canal Street, which said point of intersection is thirty-five (35) feet south of the northeast corner of said lot; running thence west on the south line of West Canal Street, being on a line parallel with and thirty-five (35) feet south from the north line of said Lot Five (5), a distance of two hundred fifty-five and fifty-eight hundredths (255.58) feet to a point in the division line between said Lot Five (5) and said Lot Two (2); thence continuing west on the south line of West Canal Street, being on a line parallel with and thirty-five (35) feet south of the north line of said Lot Two (2), a distance of fifty (50) feet to a point; thence running south on a line parallel with and fifty (50) feet distant from the east line of said Lot Two (2), a distance of one thousand twenty-five (1025) feet to a point in the established dock line on the north side of the South Menomonee Canal; thence east on said dock line a distance of fifty (50) feet to a point in the east line of said Lot Two (2) distant one thousand sixty (1060) feet south from the northeast corner of said lot; thence in a northeasterly direction along said established dock line of the South Menomonee Canal, a distance of two hundred fifty-seven and seventy-one hundredths (257.71) feet to a point in the east line of said Lot Five (5); thence north along said east line of said Lot Five (5), a distance of nine hundred ninety-one and fourteen hundredths (991.14) feet to the place of beginning.

TOGETHER with all and singular the hereditaments and appurtenances thereto belonging or in any wise appertaining; and all the estate, right,

REC 7 5 4 6 3 1 4235183

4235183

REGISTRAR'S OFFICE  
MILWAUKEE COUNTY, WIS.  
RECORDED AT 8:57 AM  
FEB 1 1966  
REG-1-1966  
C. J. M. Anderson, Registrar



title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with their hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

AND THE SAID The Youghiogheny & Ohio Coal Company, also known as The Youghiogheny and Ohio Coal Company, party of the first part, for itself and its successors, does 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 executing and delivery of these presents it is 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 whatsoever, except the following:

1. Municipal and Zoning Ordinances and Recorded Easements for Public Utilities;
2. Recorded Building Restrictions;
3. Highway easement obtained by Milwaukee County Expressway Commission through an Award of Damages recorded in the office of the Register of Deeds for Milwaukee County on October 14, 1964, in Reel 216 on Pages 335 to 338 inclusive, as Document No. 4137037; and
4. Rights of Morton Salt Company and Wisconsin Ice & Coal Co., their respective successors or assigns, by virtue of an agreement recorded in the office of the Register of Deeds for Milwaukee County on August 26, 1954, in Volume 330 of Deeds on Page 472 as Document No. 3322772;

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, it will forever WARRANT and DEFEND.

IN WITNESS WHEREOF, said THE YOUGHIOGHENY & OHIO COAL COMPANY, also known as The Youghiogheny and Ohio Coal Company, party of the first part, has caused these presents to be signed by its \_\_\_\_\_ President.

and countersigned by its \_\_\_\_\_ Secretary and its corporate seal to be hereunto affixed this 29th day of January, A.D., 1966.

SEAL AND SEALED TO PRESENCE OF: THE FOURMICHAMPT & OHIO COAL COMPANY  
By James M. Osborne President  
G. M. McEane  
By Wm. E. Frey Secretary

STATE OF Ohio )  
Cuyahoga COUNTY )

Personally came before me, this 29th day of January, A.D., 1966, James M. Osborne, President, and Wm. E. Frey, Secretary, of the above named corporation, to me known to be the persons who executed the foregoing instrument and to me known to be such President and Secretary of said corporation, and acknowledged that they executed the foregoing instrument as such officers, as the deed of said corporation, by its authority.

[Signature]  
Notary Public, STATE of Ohio County, \_\_\_\_\_

My commission expires - ATTORNEY AT LAW  
LIFETIME COMMISSION  
SECTION 147.03 Ohio Revised Code

THIS INSTRUMENT WAS ORDERED BY THE COURT ON BEHALF OF WEDDISH ELECTRIC POWER COMPANY

# WISCONSIN SURVEYS & ENGINEERING

Surveying — Mapping — Engineering

537 N. Hawley Rd. Milwaukee, Wis. 53213 Phone 476-9080

## PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company  
Address of Property: South 11th Street and West Canal Street

Description: The Youghiogheny & Ohio Coal Company Tract

That part of Lot 5, in Partition of Lot 1, in Partition of the Northwest 1/4 of Section 32, and of Lot 2, in Subdivision and Partition of the Northwest 1/4 of Section 32, all in Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, which is bounded by a line beginning at the intersection of the east line of said Lot 5 with the south line of West Canal Street, which said point of intersection is 35 feet south of the northeast corner of said lot; running thence west on the south line of West Canal Street, being on a line parallel with and 35 feet south from the north line of said Lot 5, a distance of 255.58 feet to a point in the division line between said Lot 5 and said Lot 2; thence continuing west on the south line of West Canal Street, being on a line parallel with and 35 feet south of the north line of said Lot 2, a distance of 50 feet to a point; thence running south on a line parallel with and 50 feet distant from the east line of said Lot 2, a distance of 1025 feet to a point in the established dock line on the north side of the South Menomonee Canal; thence east on said dock line a distance of 50 feet to a point in the east line of said Lot 2, distant 1060 feet south from the northeast corner of said lot; thence in a northeasterly direction along said established dock line of the South Menomonee Canal, a distance of 257.71 feet to a point in the east line of said Lot 5; thence north along said east line of said Lot 5, a distance of 991.14 feet to the place of beginning.

### Wisconsin Ice and Coal Co. Tract

That part of Lot 2 of Subdivision and Partition of the Northwest 1/4 of Section 32, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, bounded and described as follows, to-wit:

Beginning at a point in the south line of West Canal Street, which point is 50 feet west from the east line of said Lot 2 and 35 feet south from the north line of said Lot; thence south on a line parallel to and 50 feet west of the east line of said Lot 2, a distance of 440.40 feet to a point; thence west and parallel to the south line of West Canal Street, a distance of 355.82 feet to a point in the west line of said Lot 2; thence north on and along the west line of said Lot 2, a distance of 440.40 feet to a point in the south line of West Canal Street; thence east along the south line of West Canal Street, a distance of 355.82 feet to the place of beginning.

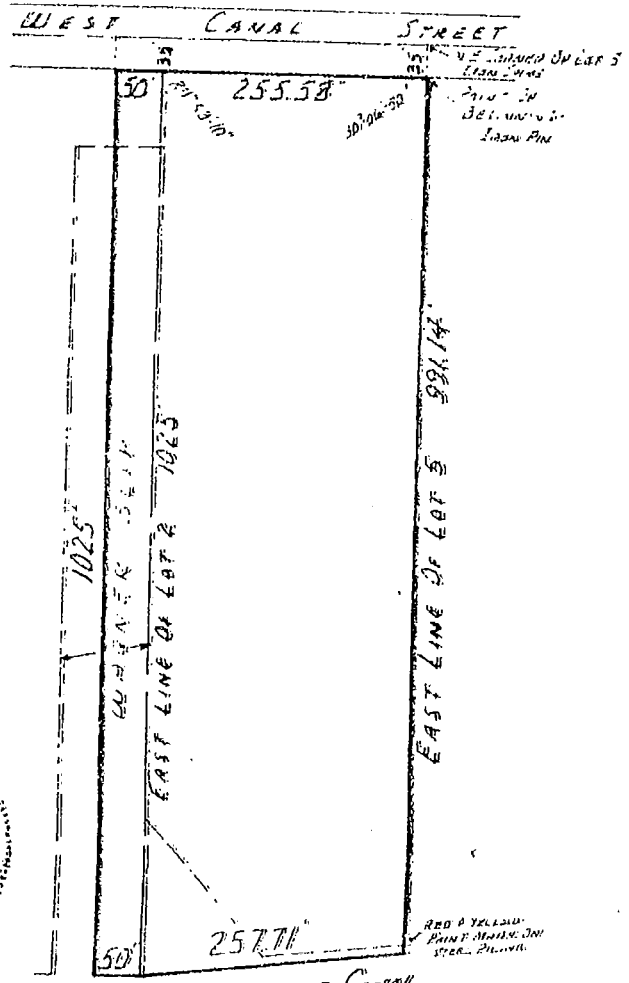


WISCONSIN SURVEYS & ENGINEERING  
 Surveying -- Mapping -- Engineering  
 127 N. Hawley Rd. Milwaukee, Wis. 53233 Phone 476-0888

No. 3197

PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company  
 Address of Property: South 11th Street and West Canal Street  
 Description: The Youghlougheny & Chic Coal Company Tract  
 See Sheet 2 of 7



State of Wisconsin  
 County of Milwaukee

SOUTH MENOMONEE CANAL

Scale: 1 in. = 150 FT

I hereby certify that I have surveyed the above described property, that the above plat is a true representation thereof and correctly shows the exterior boundary lines, location of buildings and other improvements thereon.

Date of survey: February 12, 1946

*Gerald E. Zander*  
 Registered Land Surveyor

4244349  
REGISTER'S OFFICE  
MILWAUKEE COUNTY, WIS.  
RECORDED AT 125  
MAR 23 1936  
Rd. 299 Amos 1209  
Elyse H. Johnson  
REGISTER OF DEEDS

THIS INDENTURE Made this 28 day of February, A. D. 1936,  
between CIVIC FINANCE CORPORATION

Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the first part, and WISCONSIN ELECTRIC POWER COMPANY

Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration

it gird by the said party of the second part, the receipt whereof is hereby acknowledged, has given, granted, conveyed, sold, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, convey, 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 Milwaukee and State of Wisconsin, to-wit:

That portion of the following described real estate lying south of a line parallel to and four hundred forty and forty hundredths (440.40) feet south of the south line of Canal Street in the City of Milwaukee, to-wit: That part of Lot numbered Two (2), in the Subd. and Partition of the Northwest one-quarter (NW 1/4) of Section numbered Thirty-two (32), in Township numbered Seven (7) North, Range numbered Twenty-two (22) East, bounded as follows: Beginning at a point in the south line of Canal Street distant fifty (50) feet west from the east line of said lot

and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their heirs, heirs and assigns forever.

To Have and to hold the said premises as above described with the fixtures and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

And the said CIVIC FINANCE CORPORATION party of the first part, for itself and its successors, does 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 executing and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in the simple, and that the same are free and clear from all incumbrances whatsoever, except unofficial and zoning ordinances, recorded easements and that certain Agreement between Wisconsin Ice & Coal Morton Salt Company and Yonshlobery & Ohio Coal Company, dated July 26, 1934 and recorded with Register of Deeds for Milwaukee Co., as Document No. 3322 772 in Vol. 33-50

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, it will forever WARRANT and DEFEND.

In Witness Whereof, the said CIVIC FINANCE CORPORATION party of the first part, has caused these presents to be signed by Gerald Nickeil, its President, and countersigned by Allan Polachek, its Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 28th day of February, A. D. 1936.

WITNESSED AND SEALED IN PRESENCE OF  
Rita M. Word  
Gerald Nickeil  
Allan Polachek  
CIVIC FINANCE CORPORATION  
Corporate Seal  
President  
Secretary

Witnesseth, that I, Rita M. Word, Notary Public, Milwaukee County, Wis., do hereby certify that the foregoing instrument was duly executed and acknowledged by the said party of the first part, and that the said party of the second part, its successors and assigns, are entitled to the foregoing instrument as the full and true instrument, by its contents.

Notary Public, Milwaukee County, Wis.  
My commission expires ( ) 4-1-36

162329  
ENVI

RECORDED & INDEXED

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

CIVIC FINANCE CORPORATION

TO

WISCONSIN ELECTRIC POWER COMPANY

### Warranty Deed

This instrument should be immediately placed on file to avoid trouble and litigation.

This space reserved for Register of Deeds

135394

Return to  
O. F. Koske, Room 452  
Wisconsin Electric Power Company  
231 West Michigan Street  
Milwaukee, Wisconsin 53201  
Box 129

WISCONSIN LEGAL BLANK COMPANY  
MILWAUKEE, WISCONSIN

Two (2), and distant thirty-five (35) feet south from the north line of said lot; thence south on a line parallel to and fifty (50) feet west from the east line of said Lot Two (2), a distance of one thousand twenty-five (1025) feet to a point in the established dock line on the north side of the South Menomonee Canal; thence running west along said established dock line of canal a distance of three hundred fifty-five and eighty-two hundredths (355.82) feet to a point in the west line of said Lot Two (2); thence running north on the west line of said Lot Two (2), a distance of one thousand twenty-five (1025) feet to a point in the south line of Canal Street, said street line being parallel to and thirty-five (35) feet south from the north line of said lot; thence running east on said south line of Canal Street, a distance of three hundred fifty-five and eighty-two hundredths (355.82) feet to the place of beginning.

(Tax Key No. 427-0404)

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; including but not limited to those certain easement rights for spur track purposes contained in that certain easement document in which Wisconsin Ice & Coal Co. is grantor and Morton Salt Company is grantee, recorded in the office of the Register of Deeds for Milwaukee County in Vol. 3302 of Deeds on pages 305 to 309, inclusive, as Document No. 3303514;



## WISCONSIN SURVEYS &amp; ENGINEERING

Surveying — Mapping — Engineering  
537 N. Hawley Rd. Milwaukee, Wis. 53213 Phone 476-8080

## PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company  
Address of Property: South 11th Street and West Canal Street

Description: Civic Finance Corporation Tract

That portion of the following described real estate lying south of a line parallel to and 440.40 feet south of the south line of Canal Street in the City of Milwaukee, Milwaukee County, Wisconsin, to-wit:

That part of Lot 2, in the Subdivision and Partition of the Northwest 1/4 of Section 32, Township 7 North, Range 22 East, bounded as follows: Beginning at a point in the south line of Canal Street, distant 50 feet west from the east line of said Lot 2, and distant 35 feet south from the north line of said lot; thence south on a line parallel to and 50 feet west from the east line of said Lot 2, a distance of 1025 feet to a point in the established dock line on the north side of the South Menomonee Canal; thence running west along said established dock line of the canal a distance of 355.82 feet to a point in the west line of said Lot 2; thence running north on the west line of said Lot 2, a distance of 1025 feet to a point in the south line of Canal Street, said street line being parallel to and 35 feet south from the north line of said lot; thence running east on the said south line of Canal Street, a distance of 355.82 feet to the point of Beginning.

Starke Realty Company, Sand Products Corporation, James  
Leonard Austin, Et Al Tract

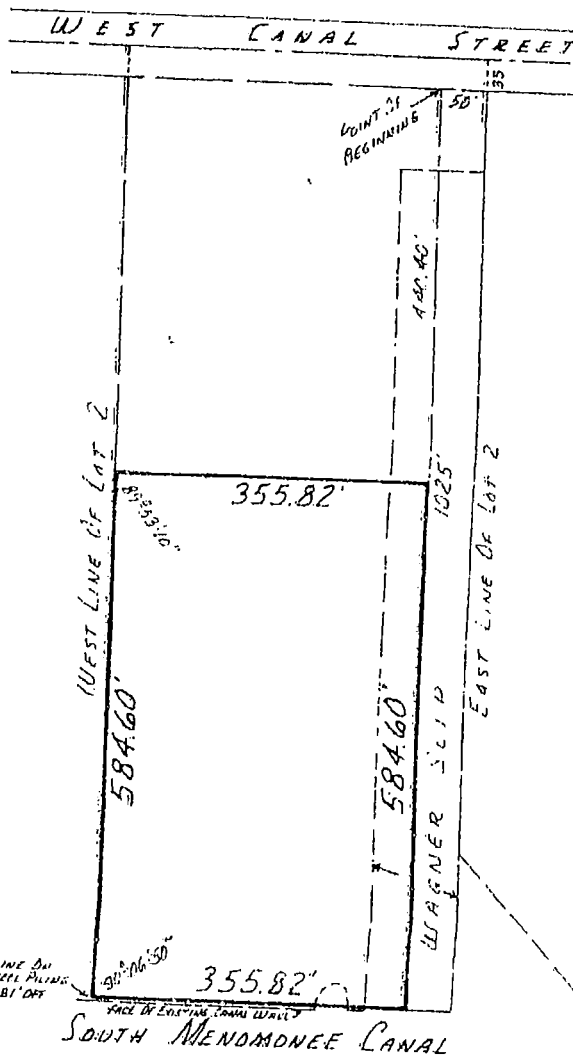
The east 512 feet of all that part of Lots 1 and 7, in Partition of West 1/2 of the Southwest 1/4 of Section 29, Township 7 North, Range 22 East, in the City of Milwaukee, Milwaukee County, Wisconsin, lying south of the North Menomonee Canal and north of Canal Street, one of the public street and highways of the City of Milwaukee, Wisconsin.

WISCONSIN SURVEYS & ENGINEERING  
 Surveying — Mapping — Engineering  
 537 N. Hawley Rd. Milwaukee, Wis. 53213 Phone 476-8080

No. 3197

PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company  
 Address of Property: South 11th Street and West Canal Street  
 Description: Civic Finance Corporation Tract  
 See Sheet 5 of 7



State of Wisconsin }  
 County of Milwaukee }

Scale: 1 in. = 150 ft.

I hereby certify that I have surveyed the above described property, that the above plat is a true representation thereof and correctly shows the exterior boundary lines, location of buildings and other improvements thereon.

Date of survey: February 12, 1966

*Gerald E. Zander*  
 Registered Land Surveyor

31  
176 ✓

WARRANTY DEED

THIS INDENTURE, made this 2nd day of May, A.D., 1966, between Wisconsin Ice & Coal Co., a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the first part, and Wisconsin Electric Power Company, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

Witnesseth that the said party of the first part, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does 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 Milwaukee and State of Wisconsin, to-wit:

That part of Lot Two (2) of Subd. and Partition of the North West One-quarter (1/4) of Section Thirty-two (32), in Township Seven (7) North, Range Twenty-two (22) East, City of Milwaukee, bounded and described as follows, to-wit: Beginning at a point in the South line of West Canal Street, which point is 50 feet West from the East line of said Lot 2 and 35 feet South from the North line of said Lot; thence South on a line parallel to and 50 feet West of the East line of said Lot 2, a distance of 440.40 feet to a point; thence West and parallel to the South line of West Canal Street, a distance of 355.82 feet to a point in the West line

MAY-2-66 4252550



of said Lot 2; thence North on and along the West line of said Lot 2 a distance of 440.40 feet to a point in the South line of West Canal Street; thence East along the South line of West Canal Street, a distance of 355.82 feet to the place of beginning. (Tax Key No. 427-0403)

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 party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

To have and to hold the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns forever.

And the said Wisconsin Ice & Coal Co., party of the first part, for itself and its successors, does 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 sealing and delivery of these presents it is 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, except the following:

1. Rights of Chicago, Milwaukee, St. Paul and Pacific Railroad Company and Norton Salt Company, their successors and assigns under and by virtue of an agreement with party of the first part dated August 18, 1954.

2. Rights of Chicago, Milwaukee, St. Paul and Pacific Railroad Company under and by virtue of an agreement with party of the first part dated July 26, 1957.

3. Easement contained in an instrument recorded June 17, 1954, in Volume 3302 of Deeds at Page 306 as Document No. 3303514.

4. Rights of Morton Salt Company and Youghiogheny & Ohio Coal Company, their respective successors or assigns, by virtue of an agreement recorded on August 26, 1954, in Volume 3330 of Deeds on Page 472 as Document No. 3322772.

5. Rights of Morton Salt Company, its successors or assigns, by virtue of an agreement recorded on July 7, 1954 in Volume 3309 of Deeds at Page 554 as Document No. 3308677.

and that, except for the foregoing exceptions, the rights and obligations thereunder being assumed by the party of the second part, the party of the first part will forever WARRANT and DEFEND 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.

IN WITNESS WHEREOF, the said Wisconsin Ice & Coal Co., party of the first part, has caused these presents to be signed by John H. Kopmeier, its President, and countersigned by William J. O'Connor, its Assistant Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 2nd day of May, A.D., 1966.

Signed and Sealed in the Presence of

M. Haas  
M. Haas

H. M. Collins  
H. M. Collins

WISCONSIN ICE & COAL CO.

John H. Kopmeier  
John H. Kopmeier, President

COUNTERSIGNED:

William J. O'Connor  
William J. O'Connor, Assistant Secretary



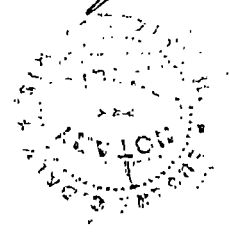
STATE OF WISCONSIN )  
                          ) SS.  
MILWAUKEE COUNTY )

Personally came before me, this 2nd day of May, A.D., 1966, John H. Kopmeier, President, and William J. O'Connor, Assistant Secretary of the above-named corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Assistant Secretary of said corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said corporation, by its authority.

*Eugene C. Daly*  
Eugene C. Daly  
Notary Public, Milwaukee County  
Wisconsin

My commission expires *in perpetuity*

This instrument was drafted by  
Attorney Eugene C. Daly



4252155

REGISTER'S OFFICE } SS.  
Milwaukee County, Wis. }  
RECORDED AT 3:51 P.M.  
on MAY 2 1966 in  
Reel 306 Image 494 to 497 incl.  
*Clyde M. Halpern*  
REGISTER OF DEEDS

# WISCONSIN SURVEYS & ENGINEERING

Surveying — Mapping — Engineering

537 N. Hawley Rd. Milwaukee, Wis. 53213 Phone 476-8080

## PLAT OF SURVEY

Survey For: Wisconsin Electric Power Company

Address of Property: South 11th Street and West Canal Street

Description: The Youghiogheny & Ohio Coal Company Tract

That part of Lot 5, in Partition of Lot 1, in Partition of the Northwest 1/4 of Section 32, and of Lot 2, in Subdivision and Partition of the Northwest 1/4 of Section 32, all in Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, which is bounded by a line beginning at the intersection of the east line of said Lot 5 with the south line of West Canal Street, which said point of intersection is 35 feet south of the northeast corner of said lot; running thence west on the south line of West Canal Street, being on a line parallel with and 35 feet south from the north line of said Lot 5, a distance of 255.58 feet to a point in the division line between said Lot 5 and said Lot 2; thence continuing west on the south line of West Canal Street, being on a line parallel with and 35 feet south of the north line of said Lot 2, a distance of 50 feet to a point; thence running south on a line parallel with and 50 feet distant from the east line of said Lot 2, a distance of 1025 feet to a point in the established dock line on the north side of the South Menomonee Canal; thence east on said dock line a distance of 50 feet to a point in the east line of said Lot 2, distant 1080 feet south from the northeast corner of said lot; thence in a northeasterly direction along said established dock line of the South Menomonee Canal, a distance of 257.71 feet to a point in the east line of said Lot 5; thence north along said east line of said Lot 5, a distance of 991.14 feet to the place of beginning.

### Wisconsin Ice and Coal Co. Tract

That part of Lot 2 of Subdivision and Partition of the Northwest 1/4 of Section 32, Township 7 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin, bounded and described as follows, to-wit:

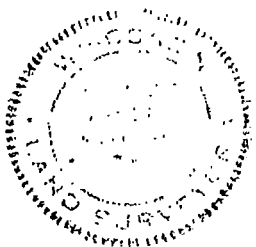
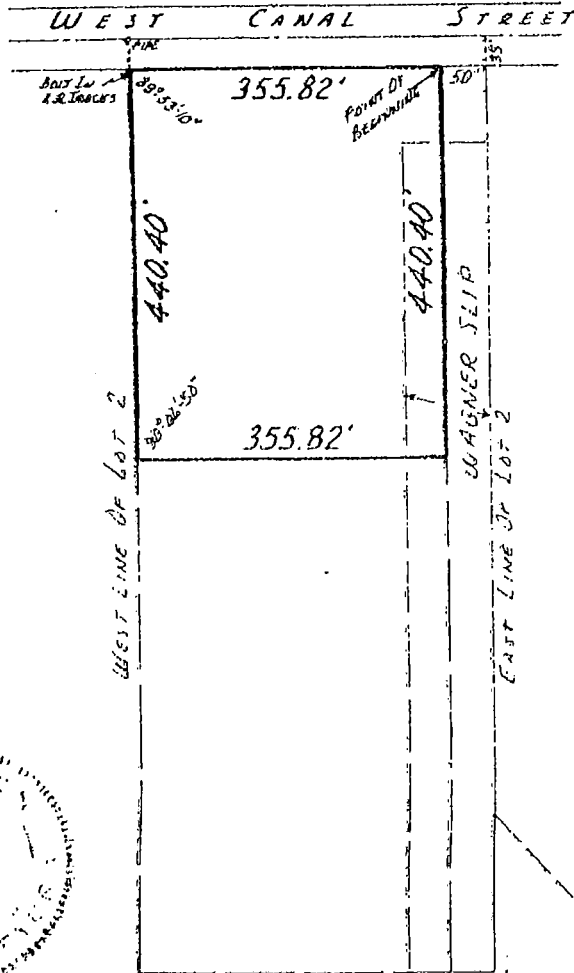
Beginning at a point in the south line of West Canal Street, which point is 50 feet west from the east line of said Lot 2 and 35 feet south from the north line of said Lot; thence south on a line parallel to and 50 feet west of the east line of said Lot 2, a distance of 440.40 feet to a point; thence west and parallel to the south line of West Canal Street, a distance of 355.82 feet to a point in the west line of said Lot 2; thence north on and along the west line of said Lot 2, a distance of 440.40 feet to a point in the south line of West Canal Street; thence east along the south line of West Canal Street, a distance of 355.82 feet to the place of beginning.

# WISCONSIN SURVEYS & ENGINEERING

Surveying — Mapping — Engineering  
537 N. Hewley Rd. Milwaukee, Wis. 53213 Phone 476-0060

## PLAT OF SURVEY

Survey For: **Wisconsin Electric Power Company**  
Address of Property: **South 11th Street and West Canal Street**  
Description: **Wisconsin Ice and Coal Company Tract**  
See Sheet 2 of 7



State of Wisconsin }  
County of Milwaukee }

Scale: 1 in = 150 ft.

I hereby certify that I have surveyed the above described property, that the above plat is a true representation thereof and correctly shows the exterior boundary lines, location of buildings and other improvements thereon.

Date of survey: February 12, 1966

Gerald E. Zander  
Registered Land Surveyor

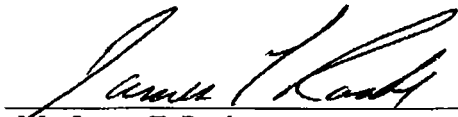
**LEGAL DESCRIPTION CERTIFICATION**

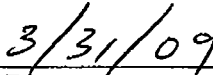
Legal Descriptions Included in Three Warranty Deeds and Provided as Part of a WDNR  
GIS Registry Packet for:

We Energies Valley Power Plant – Diesel Fuel Recovery System  
BRRTS #02-41-001055  
1035 West Canal Street  
Milwaukee, Wisconsin 53201

Certified Survey Map No. 3197 parcels identified as C, D &E,  
NW ¼, of the NW ¼ of Section 32, T7N, R22E, City of Milwaukee, Milwaukee County,  
Wisconsin.

*“I certify that the attached legal description is, to the best of my knowledge,  
complete and accurate.”*

  
\_\_\_\_\_  
Mr. James T. Raabe  
Manager of Property Management  
We Energies

  
\_\_\_\_\_  
Date



SOURCE: USGS 7.5 MINUTE QUADRANGLE, MILWAUKEE. DATED 1958. PHOTOREVISED 1971.

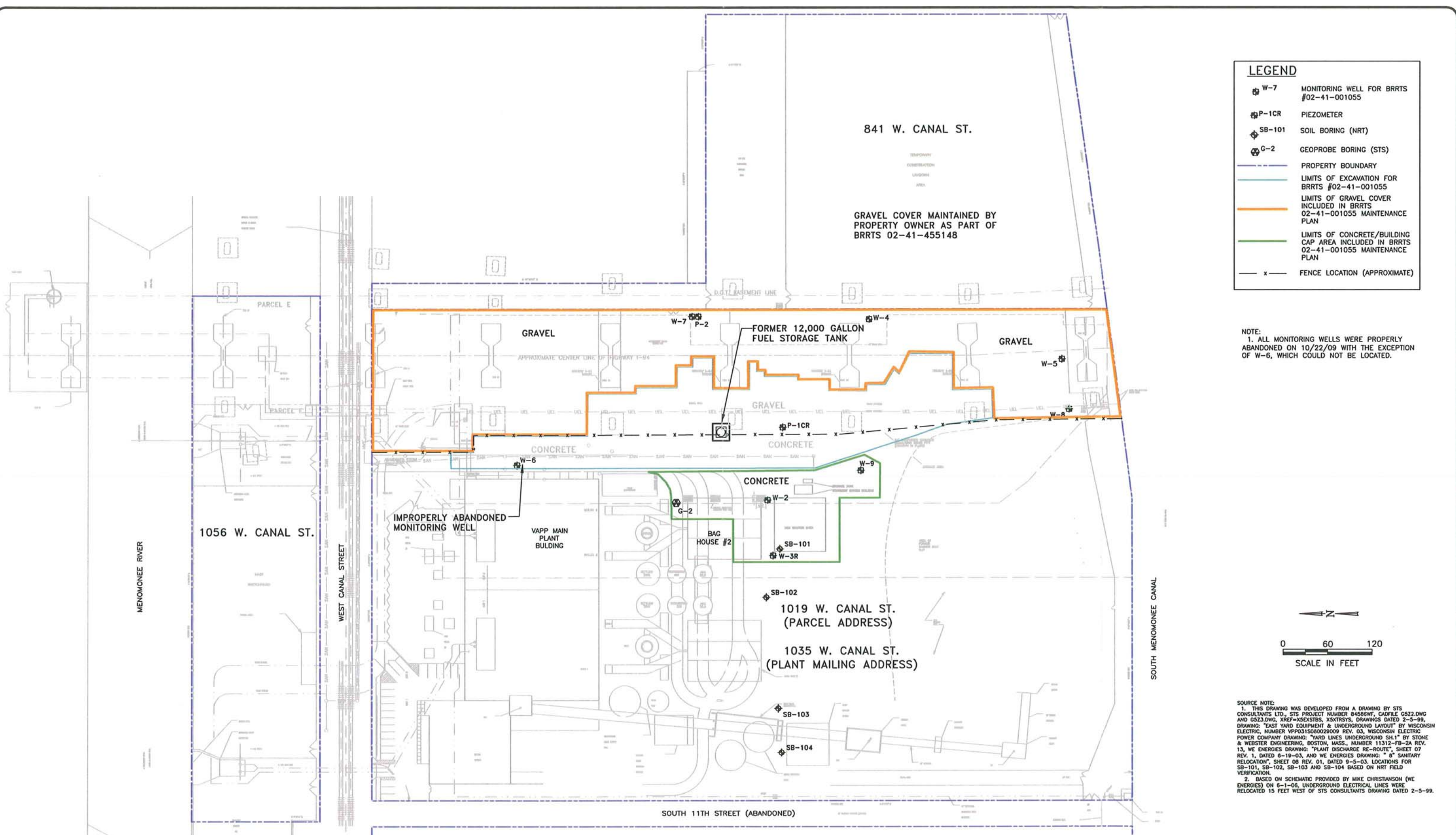


**SITE LOCATION MAP**  
**VALLEY POWER PLANT**  
**1035 WEST CANAL STREET**  
**MILWAUKEE, WISCONSIN**

PROJECT NO.  
1609  
 DRAWING NO.  
1609-A02  
 FIGURE NO.  
1

DRAWN BY: TAS    APPROVED BY: E3T    DATE: 05/20/05

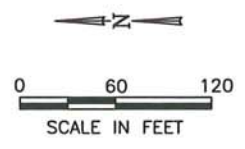




**LEGEND**

- W-7 MONITORING WELL FOR BRRTS #02-41-001055
- P-1CR PIEZOMETER
- SB-101 SOIL BORING (NRT)
- G-2 GEOPROBE BORING (STS)
- PROPERTY BOUNDARY
- LIMITS OF EXCAVATION FOR BRRTS #02-41-001055
- LIMITS OF GRAVEL COVER INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
- LIMITS OF CONCRETE/BUILDING CAP AREA INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
- x FENCE LOCATION (APPROXIMATE)

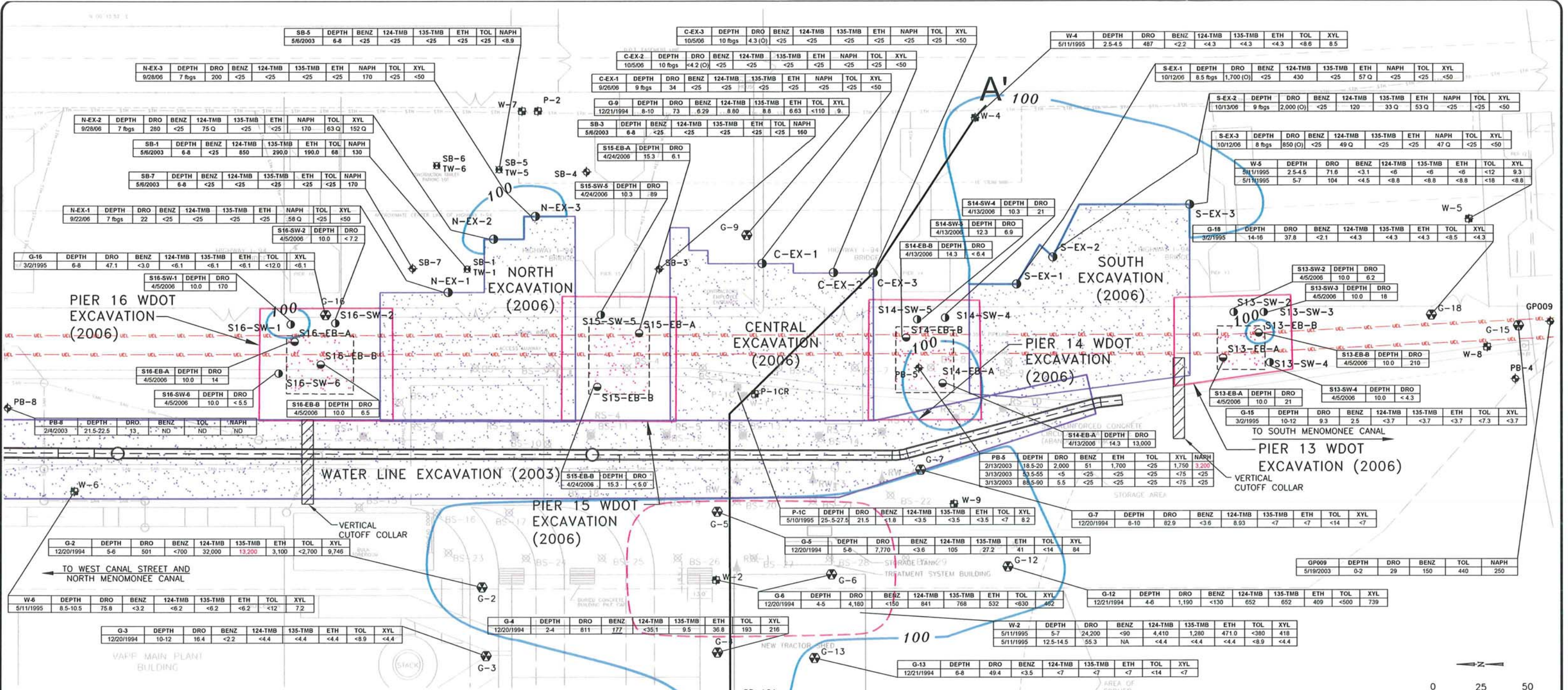
**NOTE:**  
 1. ALL MONITORING WELLS WERE PROPERLY ABANDONED ON 10/22/09 WITH THE EXCEPTION OF W-6, WHICH COULD NOT BE LOCATED.



**SOURCE NOTE:**  
 1. THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER B4589WF, CADFILE 0522.DWG AND 0523.DWG, XREF=XSEXTSBS, XSTRSYS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER VPP0315060029009 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING: "8" SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.  
 2. BASED ON SCHEMATIC PROVIDED BY MIKE CHRISTIANSON (WE ENERGIES) ON 6-1-06, UNDERGROUND ELECTRICAL LINES WERE RELOCATED 15 FEET WEST OF STS CONSULTANTS DRAWING DATED 2-5-99.

	PROJECT NO.	1609/10	<b>SITE VICINITY MAP AND CAP EXTENT</b>  SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN
	DRAWN BY:	KNW 02/27/09	
	CHECKED BY:	RJG 02/25/09	
	APPROVED BY:	JAZ 11/16/09	
	DRAWING NO:	1609-10-B01C	
REFERENCE:			FIGURE NO.
			2





**LEGEND**

- W-7 MONITORING WELL
- P-1C ABANDONED PIEZOMETER/WELL
- P-1CR PIEZOMETER
- PB-5 SOIL BORING (MILWAUKEE TRANSPORTATION PARTNERS)
- LIMITS OF REMEDIATION
- FOOTPRINT OF BASE OF PIER EXCAVATION
- FOOTPRINT OF TOP OF PIER EXCAVATION, SLOPE 1:1
- SB-4, SB-101 SOIL BORING (NRT)
- G-5 GEOPROBE BORING (STS)
- GP009 GEOPROBE BORING (MILWAUKEE TRANSPORTATION PARTNERS)
- N-EX-1 EXCAVATION WALL SAMPLE @ DEPTH, FEET BELOW GROUND SURFACE (fbgs)
- 15-EB-B EXCAVATION BASE SAMPLE LOCATION
- ABANDONED RECOVERY SUMP
- MANHOLE
- ABANDONED RECOVERY WELL
- ABANDONED BIOSLURPING WELL
- DRO ISO CONTOUR
- ORIGINAL 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE (ABANDONED, 2003)
- NEW 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE, POTABLE WATER LINE AND ELECTRICAL DUCT PACKAGE
- UNDERGROUND ELECTRICAL WATER LINE
- STORM SEWER
- NEW SANITARY SEWER
- ESTIMATED FREE PRODUCT EXTENT (0.02 FT. THICK)

Sample Location	DEPTH	DRO	BENZ	124-TMB	135-TMB	ETH	NAPH	TOL	XYL
Sample Date	feet, below ground surface	Diesel Range Organics	Benzene	124-Trimethylbenzene	135-Trimethylbenzene	Ethylbenzene	Naphthalene	Toluene	Total Xylenes
Soil Screening Levels	fbgs	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		100	8,500	83,000	11,000	4,600	2,700	38,000	42,000

Red = Level exceeds NR746 Table 1 value.

Notes:

- <25 Analyte was not detected above the limit of detection (LOD) indicated
- µg/kg: Micrograms per kilogram
- mg/kg: Milligram per kilogram
- fbgs: Depth measured in feet below ground surface.
- Q: The analyte has been detected between the limit of detection (LOD) and the limit of quantification (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- O: Sample received overnight.
- ns: Standard not established.
- ND: Analyte was not detected.

**GENERAL NOTES:**

- MONITORING WELLS W-1 THROUGH W-6 WERE COMPLETED BY SIS CONSULTANTS LTD. (SIS) IN 1995.
- PIEZOMETER P-1C WAS INSTALLED BY SIS IN 1995.
- BIOSLURPING WELLS BS-1 THROUGH BS-30 WERE INSTALLED BY SIS IN 1998.
- MONITORING WELL W-7 AND W-8 WERE INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2003.
- PIEZOMETER P-2 WAS INSTALLED BY NRT IN 2003.
- SOIL BORINGS SB-1 THROUGH SB-7 AND TEMPORARY WELLS TW-1, TW-2, TW-5 AND TW-6 WERE INSTALLED BY NRT IN 2003.
- RECOVERY SUMPS RS-1 THROUGH RS-10 WERE INSTALLED BY WE ENERGIES CONTRACTOR (BARTON MALOW) DURING COMPLETION OF THE CIRCULATING WATER LINE RELOCATION ACTIVITIES.
- RECOVERY WELLS RW-1 THROUGH RW-4 WERE INSTALLED BY WE ENERGIES CONTRACTOR (BARTON MALOW) DURING COMPLETION OF THE CIRCULATING WATER LINE RELOCATION ACTIVITIES.
- ABANDONMENT OF THE ORIGINAL AND INSTALLATION OF THE NEW 54 INCH WATER CIRCULATION LINE AND SANITARY SEWER LINES, RESPECTIVELY, WERE PERFORMED BY WE ENERGIES IN 2003.
- TREATMENT WELLS BS-2, BS-3, BS-5, BS-6, BS-7, BS-8, RS-9 AND RS-10 WERE ABANDONED BY NRT IN CONFORMANCE WITH WAC NR 141 ON DECEMBER 7, 2005.
- TREATMENT WELLS BS-1, BS-4 AND BS-9 ARE ASSUMED TO HAVE BEEN ABANDONED DURING EXCAVATION ACTIVITIES BETWEEN DECEMBER 2005 AND OCTOBER 2006. MONITORING WELL W-1 WAS ABANDONED DURING REMEDIAL EXCAVATION ACTIVITIES IN CONFORMANCE WITH WAC NR 141 ON SEPTEMBER 22, 2006.
- TREATMENT WELLS RS-1 THROUGH RS-8, AND RW-1 THROUGH RW-4 WERE ABANDONED BY EDGERTON CONTRACTORS (SUBCONTRACTED TO THE SIGMA GROUP) IN CONFORMANCE WITH WAC NR 141 ON OCTOBER 20, 2006.

**2006 EXCAVATION NOTES:**

- WEST LIMITS OF THE EXCAVATION WERE BOUND BY A PREVIOUS EXCAVATION (2003). THE PREVIOUS EXCAVATION CONSISTED OF THE INSTALLATION OF A WATER CIRCULATION LINE, AN ELECTRICAL DUCT BANK AND POTABLE WATER LINE. THESE UNDERGROUND UTILITIES WERE BACKFILLED WITH PEA GRAVEL AND THE CONTRACTOR STOPPED THE EXCAVATION ON THE WESTERN LIMIT WHEN THE PEA GRAVEL WAS ENCOUNTERED.
- DURING WDOT/MARQUETTE INTERCHANGE CONSTRUCTION (SPRING 2006), FOUR PIER EXCAVATIONS WERE LOCATED WITHIN THE LIMITS OF THE FORMER DIESEL RELEASE (AS SHOWN). DOCUMENTATION SOIL SAMPLES WERE COLLECTED AT THE BASE OF THE EXCAVATIONS AND ON THE SIDEWALLS APPROXIMATELY 0.5- FEET ABOVE THE LEVEL OF GROUNDWATER. RESULTS OF THE EXCAVATION BASE SAMPLES AND THE EASTERN SIDEWALL SAMPLES (EASTERN LIMIT) ARE SHOWN. THE NORTHERN SIDEWALL SAMPLE AT PIER 16 AND THE SOUTHERN SIDEWALL SAMPLE OF PIER 13 ARE ALSO SHOWN SINCE THE REMEDIATION EXCAVATIONS DID NOT PROCEED IN THIS DIRECTION.
- REMEDIAL EXCAVATION WAS PERFORMED (FALL 2006) IN THE AREAS SHOWN. DOCUMENTATION SOIL SAMPLES WERE COLLECTED ON THE EASTERN SIDEWALL 0.5- FEET ABOVE THE LEVEL OF GROUNDWATER AT THE POINT WHERE EITHER DIESEL PRODUCT WAS NO LONGER DETECTED IN THE SOIL OR WHERE EXCAVATION WAS NO LONGER FEASIBLE DUE TO STABILITY CONSTRAINTS OF OTHER SUB- OR SUPER-STRUCTURES LOCATED IN THE VICINITY.

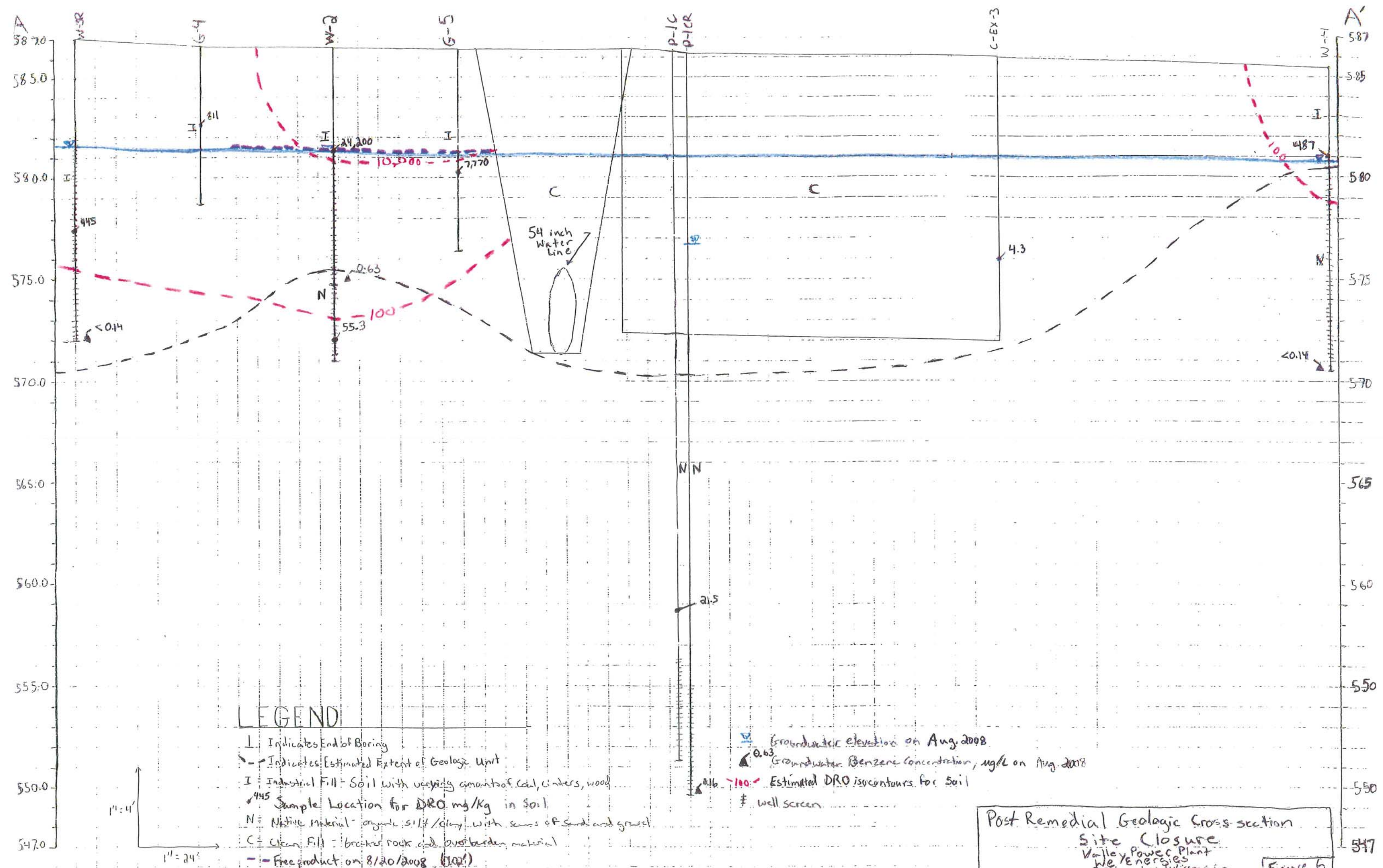
**SOURCE NOTE:**

- THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., SIS PROJECT NUMBER 84586WF, CADFILE G522.DWG AND G523.DWG, XREF=XSEXTS, X5XTRYS, DRAWINGS DATED 2-5-99, DRAWING "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER WPP031508002909 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING "YARD LINES UNDERGROUND SH.1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING "ST SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.
- BASED ON SCHEMATIC PROVIDED BY MIKE CHRISTIANSON (WE ENERGIES) ON 6-1-06, UNDERGROUND ELECTRICAL LINES WERE RELOCATED 15 FEET WEST OF STS CONSULTANTS DRAWING DATED 2-5-99.



PROJECT NO. 1609/10	<b>POST-REMEDIAL SOIL CONDITIONS</b>	SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN
DRAWN BY: KNW/RLH 01/22/07		
CHECKED BY: RJG 02/25/09		
APPROVED BY: JAZ 03/27/09		
DRAWING NO: 1609-10-B10C	REFERENCE:	FIGURE NO. 5





**LEGEND**

- I - Indicates End of Boring
- - - Indicates Estimated Extent of Geologic Unit
- I - Industrial Fill - Soil with varying amounts of coal, cinders, wood
- 445 - Sample Location for DRO mg/Kg in Soil
- N - Native Material - organic silt/clay with some of sand and gravel
- C - Clean Fill - broken rock and overburden material
- - - Free product on 8/20/2008 (100')

- 487 - Groundwater elevation on Aug. 2008
- 0.63 - Groundwater Benzene Concentration, ug/L on Aug. 2008
- 100 - Estimated DRO isocontours for Soil
- # - well screen

Post Remedial Geologic Cross-section  
 Site Closure  
 Valley Power Plant  
 Weyerhaeuser  
 Milwaukee, Wisconsin  
 Figure 6



W-7	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	130
10/26/2005	<0.14	nd	< 0.019	< 0.017	< 0.02	100
2/17/2006	--	--	--	--	--	<100
2/28/2007	<0.14	nd	0.058	0.048	0.051	<120
11/26/2007	<0.14	nd	< 0.019	< 0.017	< 0.02	--
2/26/2008	<0.14	nd	0.049	0.037	0.061	--
5/21/2008	<0.14	nd	< 0.0054	0.0085	0.013	--
8/21/2008	<0.14	nd	0.011	0.009	0.0096	--
8/21/2008 LF	--	--	< 0.0054	< 0.0051	< 0.007	--

P-2	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	130
10/26/2005	<0.14	nd	0.023	0.019	< 0.02	<94
2/17/2006	--	--	--	--	--	<100
2/28/2007	<0.14	nd	1.4	1.2	1.5	670
11/26/2007	<0.21	nd	0.074	0.059	0.077	--
2/26/2008	<0.14	nd	0.39	0.31	0.5	--
5/21/2008	<0.14	nd	0.043	0.041	0.055	--
8/21/2008	<0.14	nd	0.064	0.054	0.063	--
8/21/2008 LF	--	--	< 0.0054	< 0.0051	< 0.007	--

W-5	BEN	BTEX	BaP	BbF	CHRY	DRO
8/1/2005	--	--	--	--	--	230
10/26/2005	<0.14	nd	< 0.019	< 0.017	< 0.02	200
2/17/2006	--	--	--	--	--	110
2/28/2007	<0.14	nd	0.07	0.059	0.057	210
11/26/2007	<0.14	nd	< 0.019	< 0.017	< 0.02	--
2/26/2008	<0.14	nd	0.052	0.035	0.059	--
5/21/2008	<0.14	nd	0.025	0.019	0.025	--
8/21/2008	<0.14	nd	0.025	0.02	0.023	--
8/21/2008 LF	--	--	< 0.0055	< 0.0052	< 0.0071	--

W-4	BEN	BTEX	BaP	BbF	CHRY	DRO
8/1/2005	--	--	--	--	--	200
10/26/2005	<0.14	nd	0.17	0.13	0.16	140
2/17/2006	--	--	--	--	--	110
2/28/2007	<0.14	nd	0.44	0.4	0.38	200
11/26/2007	0.14	0.14	1.8	1.3	1.8	--
2/26/2008	<0.14	nd	1.7	1.1	2	--
5/21/2008	<0.14	nd	0.19	0.17	0.18	--
8/21/2008	<0.14	nd	1.6	0.95	1.6	--
8/21/2008 LF	--	--	< 0.0055	< 0.0052	< 0.0071	--

P-1CR	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	670
10/26/2005	0.82	7.52	< 0.49	< 0.41	< 0.5	640
2/17/2006	--	--	--	--	--	600
2/27/2007	0.41	9.48	< 0.019	< 0.016	< 0.02	830
11/26/2007	0.25	3.75	< 0.4	< 0.34	< 0.41	--
2/26/2008	0.19	3.69	< 0.54	< 0.51	< 0.7	--
5/21/2008	0.19	2.89	< 0.13	< 0.13	< 0.17	--
8/20/2008	0.16	2.56	< 0.0054	< 0.0051	0.0081	--
8/20/2008 LF	--	--	< 0.0055	< 0.0052	< 0.0071	--

W-6	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	300
10/26/2005	<0.14	nd	0.12	0.089	0.13	400
2/23/2006	--	--	--	--	--	440
2/27/2007	<0.14	nd	0.22	0.16	0.18	160
11/26/2007	<0.14	nd	0.075	0.054	0.077	--
2/27/2008	<0.14	nd	< 0.0055	< 0.0052	0.0082	--
5/21/2008	<0.14	nd	0.059	0.044	0.063	--
8/20/2008	<0.14	nd	0.028	0.02	0.028	--
8/20/2008 LF	--	--	< 0.0055	< 0.0052	< 0.0071	--

W-2	BEN	BTEX	BaP	BbF	CHRY	DRO
2/28/2007	0.51	1.16	0.085	0.074	0.08	63,000
11/26/2007	0.69	1.21	< 0.097	< 0.083	< 0.1	--
2/27/2008	0.37	0.37	0.028	0.028	0.047	--
5/21/2008	0.43	0.43	0.024	0.025	0.033	--
8/20/2008	0.63	0.63	--	--	--	--
8/20/2008 LF	--	--	0.056	0.055	0.057	--

W-9	BEN	BTEX	BaP	BbF	CHRY	DRO
11/26/2007	1.90	56.9	2.3	< 1.8	3.1	--
2/27/2008	1.90	40.47	1.7	1	2.8	--
5/21/2008	2.00	45.74	0.67	0.57	0.89	--
8/20/2008	1.90	32.41	1.1	0.79	1.4	--
8/20/2008 LF	--	--	0.013	0.0096	0.023	--

W-8	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	580
10/26/2005	<0.14	nd	0.049	0.036	0.054	190
2/17/2006	--	--	--	--	--	280
2/27/2007	<0.14	nd	0.026	0.018	0.023	290
11/26/2007	<0.14	nd	< 0.1	< 0.089	< 0.11	--
2/26/2008	<0.14	nd	< 0.044	< 0.042	< 0.056	--
5/21/2008	<0.14	nd	< 0.022	< 0.021	< 0.029	--
8/21/2008	<0.14	nd	< 0.054	< 0.051	< 0.07	--
8/21/2008 LF	--	--	< 0.0055	< 0.0052	< 0.0071	--

W-3R	BEN	BTEX	BaP	BbF	CHRY	DRO
8/2/2005	--	--	--	--	--	140
10/26/2005	<0.14	nd	0.077	0.064	0.08	<94
2/17/2006	--	--	--	--	--	<100
2/27/2007	<0.14	nd	0.062	0.053	0.059	<96
11/26/2007	<0.14	nd	< 0.019	< 0.017	< 0.02	--
2/27/2008	<0.14	nd	0.012	0.0099	0.019	--
5/21/2008	<0.14	nd	0.0069	0.0075	0.012	--
8/20/2008	<0.14	nd	0.0088	0.0069	0.01	--
8/20/2008 LF	--	--	0.0062	0.0083	0.0099	--

SAMPLE ID	BEN	BTEX	BaP	BbF	CHRY	DRO
SAMPLE DATE	Benzene (ug/L)	Benzene, Toluene Ethylbenzene, and Xylenes (ug/L)	Benzo(a) pyrene (ug/L)	Benzo (b) fluoranthene (ug/L)	Chrysene (ug/L)	Diesel Range Organics (ug/L)
NR 140 GROUNDWATER STANDARDS						
PREVENTIVE ACTION LIMIT (PAL)	0.5	ns	0.02	0.02	0.02	ns
ENFORCEMENT STANDARD (ES)	5	ns	0.2	0.2	0.2	ns

Concentrations that attain or exceed a Preventive Action Limit (PAL) are shown in **italics and underline**.

Concentrations that attain or exceed an Enforcement Standard (ES) are shown in **bold and underline**.

<0.14 Parameter not detected above the Limit of Detection indicated.

-- Analysis not performed

ns = No NR 140 standard established

ug/L = micrograms per Liter

LF = Low Flow Sampling Method

nd = Not detected

- GENERAL NOTES:
- MONITORING WELLS W-1 THROUGH W-6 WERE COMPLETED BY STS CONSULTANTS LTD. (STS) IN 1995.
  - PIEZOMETER P-1C WAS INSTALLED BY STS IN 1995.
  - BIOSLURPING WELLS BS-1 THROUGH BS-30 WERE INSTALLED BY STS IN 1998.
  - MONITORING WELL W-7 AND W-8 WERE INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2003.
  - PIEZOMETER W-3R AND PIEZOMETER P-1CR WERE INSTALLED BY NRT IN SEPTEMBER 2004. W-3 AND P-1C WERE ABANDONED.
  - MONITORING WELL W-9 WAS INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2007.

SOURCE NOTE:

THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER 84588W, CADFILE 6522.DWG AND 6523.DWG, XREF=X5X5TBS, X5X5TBS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER VPP0315080029009 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH.1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 8-19-03, AND WE ENERGIES DRAWING: "B" "SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.

MONITORING WELL W-3R, PIEZOMETER P-1CR, TRACTOR SHED, TREATMENT SYSTEM BUILDING, STORAGE TANK, AND ELECTRIC MANHOLE WERE FIELD MEASURED AND/OR VERIFIED BY NATURAL RESOURCE TECHNOLOGY ON 12/28/04.

ALL WELLS RE-SURVEYED BY KAPUR & ASSOCIATES, INC. ON MARCH 20, 2007, NOV 88 AND WISCONSIN STATE PLANE COORDINATES.

**LEGEND**

- GROUNDWATER FLOW DIRECTION, AUGUST 2008
- W-6 MONITORING WELL
- P-2 PIEZOMETER
- RS-3 ABANDONED RECOVERY SUMP
- RS-1 ABANDONED RECOVERY WELL
- BS-1 ABANDONED BIOSLURPING WELL
- TP-1 TEMPORARY WELL (ABANDONED)
- P-1C ABANDONED PIEZOMETER
- W-3 ABANDONED MONITORING WELL
- UNDERGROUND ELECTRICAL
- WATER LINE
- STORM SEWER
- ACTIVE SANITARY SEWER
- ABANDONED SANITARY SEWER
- MANHOLE
- ORIGINAL 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE (ABANDONED, 2003)
- NEW 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE

**NATURAL RESOURCE TECHNOLOGY**

PROJECT NO. 1609/10

DRAWN BY: RLH/KNW 07/31/09

CHECKED BY: JAZ 08/03/09

APPROVED BY: JAZ 08/03/09

**GROUNDWATER CONCENTRATIONS**

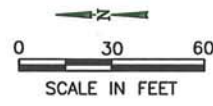
SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN

DRAWING NO: 1609-10-807C

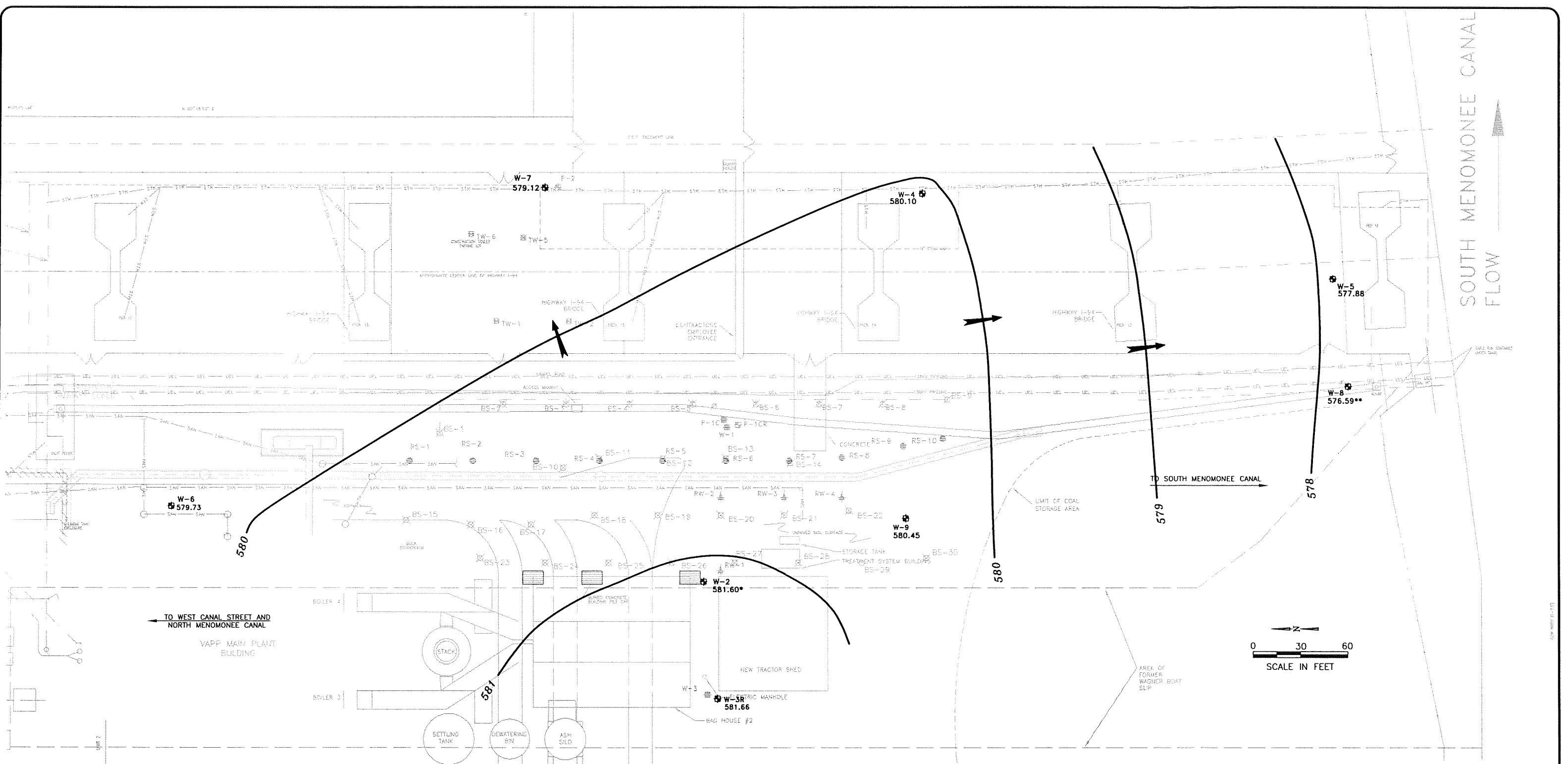
REFERENCE: 1609 GW PAW.xls-tab CAD

FIGURE NO. 7A

SOUTH MEMOMONEE CANAL FLOW







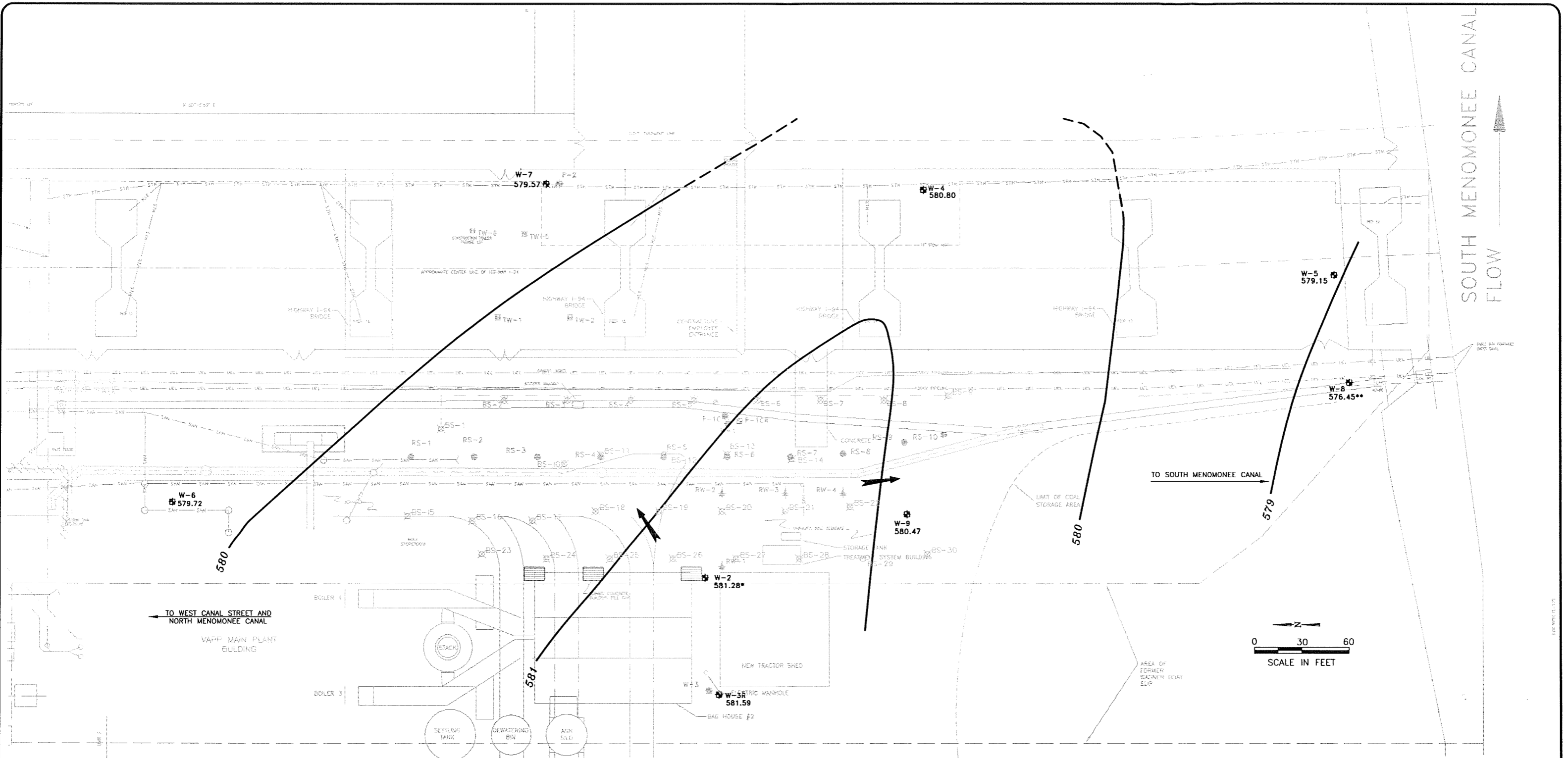
LEGEND			
	GROUNDWATER CONTOURS		UNDERGROUND ELECTRICAL
	GROUNDWATER FLOW DIRECTION		WATER LINE
	MONITORING WELL AND GROUNDWATER ELEVATION, FT.		STORM SEWER
	PIEZOMETER		ACTIVE SANITARY SEWER
	ABANDONED RECOVERY SUMP		ABANDONED SANITARY SEWER
	ABANDONED RECOVERY WELL		MANHOLE
	ABANDONED BIOSLURPING WELL		ORIGINAL 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE (ABANDONED, 2003)
	TEMPORARY WELL (ABANDONED)		NEW 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE
	ABANDONED PIEZOMETER		
	ABANDONED MONITORING WELL		

GENERAL NOTES:  
 1. MONITORING WELLS W-1 THROUGH W-6 WERE COMPLETED BY STS CONSULTANTS LTD. (STS) IN 1995.  
 2. PIEZOMETER P-1C WAS INSTALLED BY STS IN 1995.  
 3. BIOSLURPING WELLS BS-1 THROUGH BS-30 WERE INSTALLED BY STS IN 1998.  
 4. MONITORING WELL W-7 AND W-8 WERE INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2003.  
 5. PIEZOMETER P-2 WAS INSTALLED BY NRT IN 2003.  
 6. MONITORING WELL W-3R AND PIEZOMETER P-1CR WERE INSTALLED BY NRT IN SEPTEMBER 2004, W-3 AND P-1C WERE ABANDONED.  
 7. MONITORING WELL W-9 WAS INSTALLED BY NRT IN 2007.

SOURCE NOTE:  
 THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER B4586WF, CADFILE G522.DWG AND G523.DWG, XREF=X5XSTBS, X5XTRSYS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER WPP031508029009 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH.1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING: "8" SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.  
 MONITORING WELL W-3R, PIEZOMETER P-1CR, TRACTOR SHED, TREATMENT SYSTEM BUILDING, STORAGE TANK, AND ELECTRIC MANHOLE WERE FIELD MEASURED AND/OR VERIFIED BY NATURAL RESOURCE TECHNOLOGY ON 12/28/04.  
 ALL WELLS RE-SURVEYED BY KAPUR & ASSOCIATES, INC. ON MARCH 20, 2007, NGVD 88 AND WISCONSIN STATE PLANE COORDINATES.

	PROJECT NO. 1609/10	<b>GROUNDWATER ELEVATION CONTOUR MAP</b> <b>FEBRUARY 2008</b> SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN	FIGURE NO. 8
	DRAWN BY: KNW 02/27/09		
	CHECKED BY: RJG 02/25/09	REFERENCE:	
	APPROVED BY: JAZ 04/07/09		

\* PRODUCT PRESENT; THEREFORE WATER TABLE ELEVATION IS A CORRECTED CALCULATION AND IS APPROXIMATE.  
 \*\* WATER LEVEL FROM W-8 WAS NOT USED TO DEVELOP WATER TABLE CONTOURS. WATER LEVELS HAVE HISTORICALLY BEEN SLOW TO RESPOND TO WATER TABLE ELEVATION FLUCTUATIONS.



LEGEND	
	GROUNDWATER CONTOURS
	GROUNDWATER FLOW DIRECTION
	MONITORING WELL AND GROUNDWATER ELEVATION, FT.
	PIEZOMETER
	ABANDONED RECOVERY SUMP
	ABANDONED RECOVERY WELL
	ABANDONED BIOSLURPING WELL
	TEMPORARY WELL (ABANDONED)
	ABANDONED PIEZOMETER
	ABANDONED MONITORING WELL
	UNDERGROUND ELECTRICAL
	WATER LINE
	STORM SEWER
	ACTIVE SANITARY SEWER
	ABANDONED SANITARY SEWER
	MANHOLE
	ORIGINAL 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE (ABANDONED, 2003)
	NEW 54 INCH REINFORCED CONCRETE CIRCULATING WATER LINE

**GENERAL NOTES:**

1. MONITORING WELLS W-1 THROUGH W-6 WERE COMPLETED BY STS CONSULTANTS LTD. (STS) IN 1995.
2. PIEZOMETER P-1C WAS INSTALLED BY STS IN 1995.
3. BIOSLURPING WELLS BS-1 THROUGH BS-30 WERE INSTALLED BY STS IN 1998.
4. MONITORING WELL W-7 AND W-8 WERE INSTALLED BY NATURAL RESOURCE TECHNOLOGY, INC. (NRT) IN 2003.
5. PIEZOMETER P-2 WAS INSTALLED BY NRT IN 2003.
6. MONITORING WELL W-3R AND PIEZOMETER P-1CR WERE INSTALLED BY NRT IN SEPTEMBER 2004. W-3 AND P-1C WERE ABANDONED.
7. MONITORING WELL W-9 WAS INSTALLED BY NRT IN 2007.

**SOURCE NOTE:**  
 THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER B4586WF, CADFILE G522.DWG AND G523.DWG, XREF=XSEXSTBS, X5XTRSYS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER VPP0315080029009 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH-1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING: "B" SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.  
 MONITORING WELL W-3R, PIEZOMETER P-1CR, TRACTOR SHED, TREATMENT SYSTEM BUILDING, STORAGE TANK, AND ELECTRIC MANHOLE WERE FIELD MEASURED AND/OR VERIFIED BY NATURAL RESOURCE TECHNOLOGY ON 12/28/04.  
 ALL WELLS RE-SURVEYED BY KAPUR & ASSOCIATES, INC. ON MARCH 20, 2007, NGVD 88 AND WISCONSIN STATE PLANE COORDINATES.

	PROJECT NO. 1609/10	<b>GROUNDWATER ELEVATION CONTOUR MAP</b> <b>AUGUST 2008</b> <b>SITE CLOSURE</b> <b>VALLEY POWER PLANT</b> <b>WE ENERGIES</b> <b>MILWAUKEE, WISCONSIN</b>	FIGURE NO. 9
	DRAWN BY: KNW 02/27/09		DRAWING NO: 1609-10-B06
	CHECKED BY: RJG 02/25/09		REFERENCE:
APPROVED BY: JAZ 04/07/09			

\* PRODUCT PRESENT; THEREFORE WATER TABLE ELEVATION IS A CORRECTED CALCULATION AND IS APPROXIMATE.  
 \*\* WATER LEVEL FROM W-8 WAS NOT USED TO DEVELOP WATER TABLE CONTOURS. WATER LEVELS HAVE HISTORICALLY BEEN SLOW TO RESPOND TO WATER TABLE ELEVATION FLUCTUATIONS.

**Table 2. Post-Remedial Soil Analytical Results - Contaminants of Concern**

**Site Closure**  
**Project # 1609 We Energies-Valley Power Plant**  
**1035 W. Canal Street, Milwaukee, WI**  
**BRRTS#: 0241001055 FID #: 241007800**

Sample ID	Sample Depth (ft)	Sample Date	Diesel Range Organics (mg/kg)	Volatile Organic Compounds (µg/kg)							Arsenic (mg/kg)	
				1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichloroethane	Benzene	Ethylbenzene	Naphthalene	Toluene		Xylenes, Total
<b>Wisconsin Administrative Code NR 720 Residual Contaminant Levels (RCLs), September 2007</b>												
<b>NR 720 RCLs</b>			100	ns	ns	4.9	5.5	2,900	ns	1,500	4,100	1.6
<b>Wisconsin Administrative Code NR 746 Soil Screening Levels (SSLs), January 2001</b>												
<b>NR 746 SSLs</b>			ns	83,000	11,000	600	8,500	4,600	2,700	38,000	42,000	ns
G-2 S-3A	5 - 6	12/20/1994	501	32,000	13,200	--	<700	3,100	--	<2700	9,746	--
G-3 S-5	10 - 12	12/20/1994	16.4	<4.4	<4.4	--	<2.2	<4.4	--	<8.9	<4.4	--
G-4 S-2	2 - 4	12/20/1994	811	<35.1	9.5	--	177	36.8	--	193	216	--
G-5 S-3A	5 - 6	12/20/1994	7,770	105	27.2	--	<3.6	41	--	<14	84.4	--
G-6 S-3	4 - 5	12/20/1994	4,180	841	768	--	<150	532	--	<630	462	--
G-7 S-5	8 - 10	12/20/1994	82.9	8.93	<7	--	<3.6	<7	--	<14	<7	--
G-9 S-5	8 - 10	12/21/1994	73	8.8	8.8	--	6.29	6.63	--	<110	9.4	--
G-12 S-3	4 - 6	12/21/1994	1,190	652	652	--	<130	409	--	<500	739	--
G-13 S-4	6 - 8	12/21/1994	49.4	<7	<7	--	<3.5	<7	--	<14	<7	--
G-15 S-6	10 - 12	3/2/1995	9.32	<3.7	<3.7	--	2.5	<3.7	--	<7.3	<3.7	--
G-16 S-4	6 - 8	3/2/1995	47.1	<6.1	<6.1	--	<3.0	<6.1	--	<12.0	<6.1	--
G-18 S-8	14 - 16	3/2/1995	37.8	<4.3	<4.3	--	<2.1	<4.3	--	<8.5	<4.3	--
P-1C S-11	25.5 - 27.5	5/10/1995	21.5	<3.5	<3.5	--	<1.8	<3.5	--	<7	8.2	--
W-2 S-3	5 - 7	5/11/1995	24,200	4,410	1,280	--	<90	471	--	<380	418	--
W-2 S-6	12.5 - 14.5	5/11/1995	55.3	--	--	--	--	--	--	--	--	--
W-3 S-4	7.5 - 9.5	5/11/1995	445	<4.4	<4.4	--	<2.3	<4.4	--	<8.9	<4.4	--
W-4 S-2	2.5 - 4.5	5/11/1995	487	<4.3	<4.3	--	<2.2	<4.3	--	<8.6	8.5	--
W-5 S-2	2.5 - 4.5	5/11/1995	71.6	<6	<6	--	<3.1	<6	--	<12	9.3	--
W-5 S-3	5 - 7	5/11/1995	104	<8.8	<8.8	--	<4.5	<8.8	--	<18	<8.8	--
W-6 S-4	8.5 - 10.5	5/11/1995	75.8	<6.2	<6.2	--	<3.2	<6.2	--	<12	7.2	--
PB-8	21.5-22.5	2/4/2003	13	--	--	--	ND	--	--	ND	--	2.1
PB-5	18.5-20	2/13/2003	2,000	6,000	1,400	<25	51	1,700	3,200	<25	1,750	2.1
PB-5	53.5-55	3/13/2003	<5	<25	<25	<25	<25	<25	<25	<25	<75	3.7
PB-5	88.5-90	3/13/2003	5.5	<25	<25	<25	<25	<25	<25	<25	<75	12
SB-1	6-8	5/6/2003	--	850	290	--	<25	190	130	68	--	--
SB-3	6-8	5/6/2003	--	<25	<25	--	<25	<25	160	<25	--	--
SB-5	6-8	5/6/2003	--	<25	<25	--	<25	<25	<8.9	<25	--	--
SB-7	6-8	5/6/2003	--	<25	<25	--	<25	<25	170	<25	--	--
GP009	0-2	5/19/2003	29	--	--	--	150	--	250	440	--	58
SB-101	2-4	5/29/2003	--	--	--	--	--	--	1,000	--	--	22
SB-102	2-4	5/29/2003	--	--	--	--	--	--	620	--	--	9.6
SB-103	2-4	5/29/2003	--	--	--	--	--	--	180	--	--	2.3
SB-104	2-4	5/29/2003	--	--	--	--	--	--	<8.6	--	--	4.2
S13-SW-1*	10.0	4/5/2006	26	--	--	--	--	--	--	--	--	--
S13-SW-2	10.0	4/5/2006	6.2	--	--	--	--	--	--	--	--	--
S13-SW-3	10.0	4/5/2006	18	--	--	--	--	--	--	--	--	--
S13-SW-4	10.0	4/5/2006	< 4.3	--	--	--	--	--	--	--	--	--
S13-SW-5*	10.0	4/5/2006	150	--	--	--	--	--	--	--	--	--
S13-SW-6*	10.0	4/5/2006	40	--	--	--	--	--	--	--	--	--
S13-EB-A	10.0	4/5/2006	21	--	--	--	--	--	--	--	--	--
S13-EB-B	10.0	4/5/2006	210	--	--	--	--	--	--	--	--	--
S16-SW-1	10.0	4/5/2006	170	--	--	--	--	--	--	--	--	--
S16-SW-2	10.0	4/5/2006	< 7.2	--	--	--	--	--	--	--	--	--
S16-SW-3*	10.0	4/5/2006	13	--	--	--	--	--	--	--	--	--
S16-SW-4*	10.0	4/5/2006	25	--	--	--	--	--	--	--	--	--
S16-SW-5*	10.0	4/5/2006	43	--	--	--	--	--	--	--	--	--
S16-SW-6	10.0	4/5/2006	< 5.5	--	--	--	--	--	--	--	--	--
S16-EB-A	10.0	4/5/2006	14	--	--	--	--	--	--	--	--	--

Table 2. Post-Remedial Soil Analytical Results - Contaminants of Concern

Site Closure  
 Project # 1609 We Energies-Valley Power Plant  
 1035 W. Canal Street, Milwaukee, WI  
 BRRTS#: 0241001055 FID #: 241007800

Sample ID	Sample Depth (ft)	Sample Date	Diesel Range Organics (mg/kg)	Volatile Organic Compounds (µg/kg)								Arsenic (mg/kg)
				1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,2-Dichloroethane	Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes, Total	
<b>Wisconsin Administrative Code NR 720 Residual Contaminant Levels (RCLs), September 2007</b>												
<b>NR 720 RCLs</b>			100	ns	ns	4.9	5.5	2,900	ns	1,500	4,100	1.6
<b>Wisconsin Administrative Code NR 746 Soil Screening Levels (SSLs), January 2001</b>												
<b>NR 746 SSLs</b>			ns	83,000	11,000	600	8,500	4,600	2,700	38,000	42,000	ns
S16-EB-B	10.0	4/5/2006	6.5	--	--	--	--	--	--	--	--	--
S14-SW-1*	10.3	4/13/2006	<b>2,600</b>	--	--	--	--	--	--	--	--	--
S14-SW-2*	11.3	4/13/2006	<b>3,800</b>	--	--	--	--	--	--	--	--	--
S14-SW-3*	10.3	4/13/2006	<b>2,000</b>	--	--	--	--	--	--	--	--	--
S14-SW-4	10.3	4/13/2006	21	--	--	--	--	--	--	--	--	--
S14-SW-5	12.3	4/13/2006	6.9	--	--	--	--	--	--	--	--	--
S14-SW-6*	11.3	4/13/2006	<b>3,500</b>	--	--	--	--	--	--	--	--	--
S14-EB-A	14.3	4/13/2006	<b>13,000</b>	--	--	--	--	--	--	--	--	--
S14-EB-B	14.3	4/13/2006	< 6.4	--	--	--	--	--	--	--	--	--
S15-SW-1*	10.3	4/24/2006	<b>200</b>	--	--	--	--	--	--	--	--	--
S15-SW-2*	9.3	4/24/2006	<b>760</b>	--	--	--	--	--	--	--	--	--
S15-SW-3*	9.3	4/24/2006	<b>19,000</b>	--	--	--	--	--	--	--	--	--
S15-SW-4*	9.3	4/24/2006	<b>3,400</b>	--	--	--	--	--	--	--	--	--
S15-SW-5	10.3	4/24/2006	89	--	--	--	--	--	--	--	--	--
S15-SW-6	8.3	4/24/2006	<b>4,800</b>	--	--	--	--	--	--	--	--	--
S15-EB-A	15.3	4/24/2006	6.1	--	--	--	--	--	--	--	--	--
S15-EB-B	15.3	4/24/2006	< 5.0	--	--	--	--	--	--	--	--	--
N-EX-1	7.0	9/22/06	22	<25	<25	<25	<25	<25	58 Q	<25	<50	--
C-EX-1	9.0	9/26/06	34	<25	<25	<25	<25	<25	<25	<25	<50	--
N-EX-2	7.0	9/28/06	<b>280</b>	75 Q	<25	<25	<25	<25	170	63 Q	152 Q	--
N-EX-3	7.0	9/28/06	<b>200</b>	<25	<25	<25	<25	<25	170	<25	<50	--
C-EX-2	10.0	10/5/06	<4.2 (O)	<25	<25	<25	<25	<25	<25	<25	<50	--
C-EX-3	10.0	10/5/06	4.3 (O)	<25	<25	<25	<25	<25	<25	<25	<50	--
S-EX-1	8.5	10/12/06	<b>1,700 (O)</b>	430	<25	<25	<25	57 Q	<25	<25	<50	--
S-EX-3	8.0	10/12/06	<b>850 (O)</b>	49 Q	<25	<25	<25	<25	47 Q	<25	<50	--
S-EX-2	9.0	10/13/06	<b>2,000 (O)</b>	120	33 Q	<25	<25	53 Q	<25	<25	<50	--

{0-LJ-PVC-JCB, RJG/JAZ 03/09}

Notes:

- 1) Refer to laboratory analytical reports for data qualifiers.
- \*: Sidewall samples were collected along adjoining excavation areas and were most likely excavated. These samples are not representative of post-remedial conditions.
- : Not analyzed
- µg/kg: Micrograms per kilogram.
- mg/kg: Milligram per kilogram.
- ns: Standard not established.
- <25: Analyte was not detected above limit of detection shown.
- Q: The analyte has been detected between the limit of detection (LOD) and the limit of quantification (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- O: Sample was received over weight at the lab.
- S13: Excavation number associated with pier number
- SW/EB: Sidewall/Excavation base sample
- 1: Sample number
- N/C/S: North/Central/South
- EX: Excavation sample
- ND: Not detected
- Bold & Underline: Indicates NR746 SSL exceedance
- Italic & underline: Indicates NR720 RCL exceedance



**Table 3. Groundwater Laboratory Analytical Results - Petroleum Volatile Organic Compounds (PVOCs), and Diesel Range Organics (DRO)**

**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	PVOCs (µg/L)								Diesel Range Organics (µg/L)
		Benzene	Ethyl-benzene	Toluene	Xylene, O	Xylenes, m+p	MTBE	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>										
<b>Preventive Action Limit (PAL)</b>		0.5	140	200	1000	1000	12	96	96	NS
<b>Enforcement Standard (ES)</b>		5	700	1000	10000	10000	60	480	480	NS
<b>P01CR</b>										
	10/26/2005	0.82	1.4	< 0.36	1.3	4	8.8	20	4.4	640
	2/17/2006	--	--	--	--	--	--	--	--	600 Q
	2/27/2007	0.41 Q	0.68 Q	< 0.36	0.69 Q	7.7	6.6	35	4.9	830 Q
	11/26/2007	0.25 Q	< 0.4	< 0.36	< 0.36	3.5	7.9	16	2.4	--
	2/26/2008	0.19 Q	< 0.4	< 0.36	< 0.36	3.5	9.3	17.3	3.1	--
	5/21/2008	0.19 Q	< 0.4	< 0.36	< 0.36	2.7	9.4	14.7	2.8	--
	8/20/2008	0.16 Q	< 0.4	< 0.36	< 0.36	2.4	9.2	13.4	2.8	--
<b>P02</b>										
	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	< 94
	2/17/2006	--	--	--	--	--	--	--	--	< 100
	2/28/2007	< 0.14 Q	< 0.4 Q	< 0.36 Q	< 0.36 Q	< 0.74 Q	< 0.36 Q	< 0.39 Q	< 0.4 Q	670
	11/26/2007	< 0.21	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
<b>TB</b>										
	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/28/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/27/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/20/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
<b>W01</b>										
	10/26/2005									Product present
	2/17/2006									sheen
	9/22/2006									Well abandoned

**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	PVOCs (µg/L)								Diesel Range Organics (µg/L)
		Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	MTBE	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>										
<b>Preventive Action Limit (PAL)</b>		0.5	140	200	1000	1000	12	96	96	NS
<b>Enforcement Standard (ES)</b>		5	700	1000	10000	10000	60	480	480	NS
W02	10/26/2005									Product present
	2/17/2006									0.02 ft product
	2/28/2007	<u>0.51</u>	0.65 Q	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	63000
	11/26/2007	<u>0.69</u>	0.52 Q	< 0.36	< 0.36	< 0.74	< 0.36	0.45 Q	< 0.4	--
	2/27/2008	0.37 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	0.53 Q	< 0.4	--
	5/21/2008	0.43 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/20/2008	<u>0.63 Q</u>	< 0.4	< 0.36	< 0.36	< 0.74	0.46 Q	0.63 Q	< 0.4	--
W03R	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	< 94
	2/17/2006	--	--	--	--	--	--	--	--	< 100
	2/27/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	< 96 Q
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/27/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/20/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
W04	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	140
	2/17/2006	--	--	--	--	--	--	--	--	110
	2/28/2007	< 0.14 Q	< 0.4 Q	< 0.36 Q	< 0.36 Q	< 0.74 Q	< 0.36 Q	< 0.39 Q	< 0.4 Q	200
	11/26/2007	0.14 Q	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
W05	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	200 Q
	2/17/2006	--	--	--	--	--	--	--	--	110 Q
	2/28/2007	< 0.14 Q	< 0.4 Q	< 0.36 Q	< 0.36 Q	< 0.74 Q	< 0.36 Q	< 0.39 Q	< 0.4 Q	210
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--

Table 3. Groundwater Laboratory Analytical Results - Petroleum Volatile Organic Compounds (PVOCs), and Diesel Range Organics (DRO)



Site Closure

Project # 1609 We Energies-Valley Power Plant

1035 W. Canal Street, Milwaukee, Wisconsin

BRRTS# : 0241001055

FID# : 241007800

Sample ID	Collection Date	PVOCs (µg/L)								Diesel Range Organics (µg/L)
		Benzene	Ethylbenzene	Toluene	Xylene, O	Xylenes, m+p	MTBE	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>										
<b>Preventive Action Limit (PAL)</b>		0.5	140	200	1000	1000	12	96	96	NS
<b>Enforcement Standard (ES)</b>		5	700	1000	10000	10000	60	480	480	NS
W06	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	400
	2/23/2006	--	--	--	--	--	--	--	--	440
	2/27/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	160 Q
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/27/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/20/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
W07	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	100 Q
	2/17/2006	--	--	--	--	--	--	--	--	< 100 Q
	2/28/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	< 120
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
	8/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	< 0.36	< 0.39	< 0.4	--
W08	10/26/2005	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	1.1 Q	< 0.39	< 0.4	190
	2/17/2006	--	--	--	--	--	--	--	--	280 Q
	2/27/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	3.3	< 0.39	< 0.4	290 Q
	11/26/2007	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	2.3	< 0.39	< 0.4	--
	2/26/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	2 Q	< 0.39	< 0.4	--
	5/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	1.8 Q	< 0.39	< 0.4	--
	8/21/2008	< 0.14	< 0.4	< 0.36	< 0.36	< 0.74	1.2 Q	< 0.39	< 0.4	--
W09	11/26/2007	<u>1.9</u>	46	< 0.36	1.6	7.4	2.8	46	< 0.4	--
	2/27/2008	<u>1.9</u>	32.2	< 0.36	0.97 Q	5.4	3.5	45	< 0.4	--
	5/21/2008	<u>2</u>	36.7	0.45 Q	0.99 Q	5.6	2.8 Q	37.7	0.53 Q	--
	8/20/2008	<u>1.9</u>	25.7	< 0.36	0.41 Q	4.4	2.4 Q	25	< 0.4	--

Table 3. Groundwater Laboratory Analytical Results - Petroleum Volatile Organic Compounds (PVOCs), and Diesel Range Organics (DRO)



**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

<i>Sample ID</i>	<i>Collection Date</i>	<i>PVOCs (µg/L)</i>								
		<i>Benzene</i>	<i>Ethyl-benzene</i>	<i>Toluene</i>	<i>Xylene, O</i>	<i>Xylenes, m+p</i>	<i>MTBE</i>	<i>1,2,4-Trimethylbenzene</i>	<i>1,3,5-Trimethylbenzene</i>	<i>Diesel Range Organics (µg/L)</i>
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>										
<b><u>Preventive Action Limit (PAL)</u></b>		0.5	140	200	1000	1000	12	96	96	NS
<b><u>Enforcement Standard (ES)</u></b>		5	700	1000	10000	10000	60	480	480	NS

Notes

- 1) Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Preventive Action Limit (PAL) Standard are identified in italics and underlined.
  - 2) Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Enforcement Standard (ES) are identified in bold and underlined.
  - 3) Only detected parameters are shown in report, reference the laboratory analytical report for full list of compounds analyzed.
  - 4) Xylene analytical results combined for comparison against the NR 140 PAL and ES standards.
- <2.0 : Parameter not detected above the Limit of Detection indicated.  
 NS : NR 140 Wisconsin Groundwater Quality Standard not established for this parameter.  
 Q : Analyte result has been qualified, see laboratory analytical report for additional information.  
 --: Analysis not performed.  
 TB : Trip Blank for QA/QC.  
 QC: Quality Control duplicate sample.

Table 4. Groundwater Laboratory Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)

Site Closure

Project # 1609 We Energies-Valley Power Plant

1035 W. Canal Street, Milwaukee, Wisconsin

BRRTS# : 0241001055

FID# : 241007800

Sample ID	Collection Date	All PAH analytical results in µg/L	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>																				
<i>Preventive Action Limit</i>			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
<i>Enforcement Standard</i>			NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
<b>P01CR</b>																				
	10/26/2005		12	4.3	0.65 Q	< 0.21	< 0.31	< 0.41	< 0.49	< 0.41 Q	< 0.51	< 0.51 Q	< 0.5	< 0.5	< 0.41	1.3	< 0.5	2	1.4	< 0.38
	2/27/2007		34 Q	16 Q	< 1.1 Q	0.2 Q	0.18 Q	< 0.016	< 0.019	< 0.016 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.1 Q	1.7 Q	< 0.02	<u>11 Q</u>	2.4 Q	0.14 Q
	11/26/2007		29 Q	15 Q	0.93	0.27 Q	< 0.25	< 0.34	< 0.4	< 0.34 Q	< 0.42	< 0.42 Q	< 0.41	< 0.41	< 0.34	1.6	< 0.41	7.6	1.7	< 0.32
	2/26/2008		30.8	14.8	1 Q	< 0.5	< 0.65	< 0.35	< 0.54	< 0.51	< 0.62	< 0.78	< 0.7	< 0.43	< 0.53	1.9 Q	< 0.36	<u>10.3</u>	2.3 Q	< 0.68
	5/21/2008		22.5	11.8	0.82 Q	< 0.12	0.21 Q	< 0.087	< 0.13	< 0.13	< 0.16	< 0.19	< 0.17	< 0.11	< 0.13	1.5	< 0.09	7.6	1.7	< 0.17
	8/20/2008		24.8	14.8	0.96 Q	0.021 Q	0.18	0.0079 Q	< 0.0054	< 0.0051	< 0.0062	< 0.0078	0.0081 Q	< 0.0043	0.079	1.7 Q	< 0.0036	9.2	2 Q	0.11
	8/20/2008	low-flow	12.6	6.3	0.42	0.012 Q	0.084	< 0.0035	< 0.0055	< 0.0052	< 0.0063	< 0.0078	< 0.0071	< 0.0043	0.042 Q	0.66 Q	< 0.0036	5.1	0.52 Q	0.049
<b>P02</b>																				
	10/26/2005		0.054	0.047	< 0.0086	< 0.0086	< 0.012	0.021 Q	<u>0.023 Q</u>	0.019 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.043 Q	< 0.0096	< 0.02	0.043 Q	0.032 Q	0.041 Q
	2/28/2007		0.58 Q	0.68 Q	< 0.16 Q	< 0.16 Q	0.63 Q	1.2	<u>1.4</u>	<u>1.2 Q</u>	1 Q	1.3 Q	<u>1.5</u>	< 0.38	3.6 Q	0.2 Q	0.81 Q	0.47 Q	2 Q	2.9 Q
	11/26/2007		0.034 Q	0.04 Q	0.011 Q	< 0.0093	0.03 Q	0.065	<u>0.074</u>	<u>0.059 Q</u>	0.047 Q	0.061 Q	<u>0.077</u>	< 0.022	0.18	0.016 Q	0.039 Q	0.049	0.092	0.14
	2/26/2008		0.13	0.15	0.034 Q	0.032 Q	0.15	0.4	<u>0.39</u>	<u>0.31</u>	0.28	0.38	<u>0.5</u>	0.059 Q	1	0.06 Q	0.21	0.093 Q	0.52	0.86
	5/21/2008		0.025 Q	0.032 Q	< 0.0078	< 0.005	0.018 Q	0.05	<u>0.043</u>	<u>0.041 Q</u>	0.037 Q	0.039 Q	<u>0.055</u>	0.0068 Q	0.14	0.015 Q	0.027 Q	0.022 Q	0.078	0.12
	8/21/2008		0.035 Q	0.038 Q	0.013 Q	0.006 Q	0.027 Q	0.066	<u>0.064</u>	<u>0.054</u>	0.042 Q	0.051	<u>0.063</u>	0.0092 Q	0.17	0.016 Q	0.033 Q	0.028 Q	0.09	0.12
	8/21/2008	low-flow	0.013 Q	0.019 Q	< 0.0078	0.0074 Q	< 0.0065	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.04 Q	< 0.0075	< 0.0068
<b>QC01</b>																				
(P02)	10/26/2005		0.052	0.053	< 0.01	< 0.01	< 0.014	0.034 Q	<u>0.036 Q</u>	<u>0.032 Q</u>	0.03 Q	0.024 Q	<u>0.036 Q</u>	< 0.023	0.07	< 0.011	< 0.023	0.04 Q	0.045 Q	0.072
(W03R)	2/27/2007		< 0.011 Q	0.015 Q	< 0.0085 Q	0.0098 Q	0.033 Q	0.054	<u>0.06 Q</u>	<u>0.042 Q</u>	0.037 Q	0.052 Q	<u>0.058 Q</u>	< 0.02	0.14 Q	0.013 Q	0.029 Q	0.017 Q	0.069 Q	0.13 Q
(P01CR)	11/26/2007		23	12	< 0.94	< 0.93	< 1.3	< 1.8	< 2.1	< 1.8 Q	< 2.2	< 2.2 Q	< 2.2	< 2.2	< 1.8	1.4 Q	< 2.2	8	2 Q	< 1.7
(W02)	2/27/2008		0.71	0.055 Q	1.5	0.25	0.4	0.052 Q	<u>0.03 Q</u>	<u>0.028 Q</u>	0.017 Q	0.033 Q	<u>0.053 Q</u>	< 0.011	0.44	0.15	< 0.009	0.31	0.45	0.65
(W04)	5/21/2008		0.051	0.055	0.51	0.045 Q	0.3	0.78	<u>0.67</u>	<u>0.55</u>	0.45	0.58	<u>0.68</u>	0.15	1.9	0.17	0.41	0.1	0.47	1.8
(P01CR)	8/20/2008		27.1	15.6	0.99 Q	< 0.5	< 0.65	< 0.35	< 0.54	< 0.51	< 0.62	< 0.78	< 0.7	< 0.43	< 0.53	1.7 Q	< 0.36	9.8	2.1 Q	< 0.68
(P01CR)	8/20/2008	low-flow	0.024 Q	0.047	< 0.0078	< 0.005	< 0.0065	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.21	< 0.0075	< 0.0068
<b>W01</b>																				
	10/26/2005																			
	2/17/2006																			
	9/22/2006																			
<b>W02</b>																				
	10/26/2005																			
	2/17/2006																			
	2/28/2007		1.2 Q	0.081 Q	1.3 Q	0.12 Q	0.26 Q	0.11	<u>0.085</u>	<u>0.074 Q</u>	0.042 Q	0.068 Q	<u>0.08</u>	< 0.019	0.41 Q	0.36 Q	0.036 Q	0.31 Q	0.43 Q	0.76 Q
	11/26/2007		0.81 Q	< 0.059	1.2 Q	0.17 Q	0.21 Q	< 0.083 Q	< 0.097 Q	< 0.083 Q	< 0.1 Q	< 0.1 Q	< 0.1 Q	< 0.1	0.33 Q	0.12 Q	< 0.1 Q	0.28 Q	0.39 Q	0.45 Q
	2/27/2008		0.6	< 0.053	1.4	0.24	0.37	0.046 Q	<u>0.028 Q</u>	<u>0.028 Q</u>	< 0.031	< 0.039	<u>0.047 Q</u>	< 0.022	0.4	0.16 Q	< 0.018	0.26	0.45	0.59
	5/21/2008		0.4	0.059 Q	1.2	0.066 Q	0.34	0.049 Q	<u>0.024 Q</u>	<u>0.025 Q</u>	< 0.025	< 0.031	<u>0.033 Q</u>	< 0.017	0.35	0.029 Q	< 0.014	0.16 Q	0.32	0.57
	8/20/2008	low-flow	0.75 Q	0.05	1.4 Q	0.053	0.4 Q	0.092 Q	<u>0.056 Q</u>	<u>0.055 Q</u>	0.027 Q	0.041 Q	<u>0.057 Q</u>	0.0069 Q	0.34 Q	0.028 Q	0.02 Q	0.17	0.33 Q	0.76 Q



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Sample ID	Collection Date	All PAH analytical results in µg/L	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>																				
<i>Preventive Action Limit</i>			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
<b>Enforcement Standard</b>			NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
W03R																				
	10/26/2005		0.02 Q	0.028 Q	0.016 Q	0.013 Q	0.041	0.079	<u>0.077</u>	<u>0.064 Q</u>	0.053 Q	0.06 Q	<u>0.08</u>	< 0.02	0.15	0.032 Q	0.046 Q	0.044	0.098	0.17
	2/27/2007		0.027 Q	0.028 Q	0.01 Q	0.01 Q	0.037 Q	0.058	<u>0.062</u>	<u>0.053 Q</u>	0.039 Q	0.049 Q	<u>0.059 Q</u>	< 0.019	0.15 Q	0.016 Q	0.029 Q	0.031 Q	0.075 Q	0.14 Q
	11/26/2007		< 0.011	< 0.012	< 0.0086	< 0.0086	0.012 Q	< 0.017	< 0.019	< 0.017 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.027 Q	< 0.0096	< 0.02	< 0.013	0.013 Q	0.026 Q
	2/27/2008		< 0.0095	< 0.011	< 0.0078	< 0.005	0.012 Q	0.013 Q	0.012 Q	0.0099 Q	0.0092 Q	0.012 Q	0.019 Q	< 0.0043	0.044 Q	< 0.0063	0.0071 Q	< 0.016	0.022 Q	0.042 Q
	5/21/2008		< 0.0096	< 0.011	< 0.0079	< 0.005	0.0093 Q	0.011 Q	0.0069 Q	0.0075 Q	< 0.0063	< 0.0078	0.012 Q	< 0.0043	0.036 Q	< 0.0063	0.0044 Q	< 0.017	0.018 Q	0.044 Q
	8/20/2008		< 0.0095	< 0.011	< 0.0078	< 0.005	0.0097 Q	0.009 Q	0.0088 Q	0.0069 Q	0.0063 Q	0.0089 Q	0.01 Q	< 0.0043	0.032 Q	< 0.0063	< 0.0036	< 0.016	0.012 Q	0.029 Q
	8/20/2008	low-flow	0.013 Q	< 0.011	< 0.0078	0.0063 Q	0.0091 Q	0.008 Q	0.0062 Q	0.0083 Q	0.0077 Q	0.0097 Q	0.0099 Q	0.0057 Q	0.0099 Q	0.008 Q	0.0061 Q	0.016 Q	0.012 Q	0.012 Q
W04																				
	10/26/2005		< 0.021	< 0.024	0.55	< 0.017	0.081 Q	0.16	<u>0.17</u>	<u>0.13 Q</u>	0.12 Q	0.13 Q	<u>0.16</u>	< 0.04	0.43	0.043 Q	0.095 Q	< 0.026	0.11	0.41
	2/28/2007		0.062 Q	0.078 Q	0.62 Q	0.043 Q	0.21 Q	0.45	<u>0.44</u>	<u>0.4 Q</u>	0.29	0.31 Q	<u>0.38</u>	0.069	1.3 Q	0.14 Q	0.23	0.1 Q	0.37 Q	1.1 Q
	11/26/2007		0.093	0.11	1.1 Q	0.09	0.8 Q	1.6 Q	<u>1.8 Q</u>	<u>1.3 Q</u>	1 Q	1.4 Q	<u>1.8 Q</u>	0.23	4.7 Q	0.25	0.87 Q	0.14	1.5 Q	3.8 Q
	2/26/2008		< 0.19	< 0.21	0.99	< 0.099	0.82 Q	1.6	<u>1.7</u>	<u>1.1</u>	1.1	1.6	<u>2</u>	0.22 Q	5.2	0.44 Q	0.83 Q	< 0.33 Q	1.2	4.3
	5/21/2008		0.016 Q	0.018 Q	0.46	0.014 Q	0.08	0.23	<u>0.19</u>	<u>0.17</u>	0.13	0.13	<u>0.18</u>	0.031 Q	0.54	0.051	0.1	0.036 Q	0.15	0.53
	8/21/2008		< 0.19	< 0.21	0.72 Q	< 0.099	0.69 Q	1.2	<u>1.6</u>	<u>0.95</u>	1	1.5	<u>1.6</u>	0.19 Q	4.9	0.3 Q	0.76 Q	< 0.33	1.1	3.5
	8/21/2008	low-flow	< 0.0096	< 0.011	0.31	0.006 Q	0.013 Q	< 0.0035	< 0.0055	< 0.0052	< 0.0063	< 0.0078	< 0.0071	< 0.0043	0.059	< 0.0063	< 0.0036	< 0.017	< 0.0075	0.035 Q
W05																				
	10/26/2005		0.019 Q	0.018 Q	0.21	< 0.0086	0.018 Q	0.017 Q	< 0.019	< 0.017 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.028 Q	0.052	< 0.02	0.025 Q	0.023 Q	0.034 Q
	2/28/2007		0.041 Q	0.051 Q	0.75 Q	0.026 Q	0.052 Q	0.058	<u>0.07</u>	<u>0.059 Q</u>	0.047 Q	0.047 Q	<u>0.057 Q</u>	< 0.019	0.17 Q	0.16 Q	0.035 Q	0.048 Q	0.084 Q	0.14 Q
	11/26/2007		< 0.011	< 0.012	0.73 Q	0.012 Q	0.039 Q	< 0.017	< 0.019	< 0.017 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.057	0.13	< 0.02	< 0.013	0.016 Q	0.038 Q
	2/26/2008		< 0.01	< 0.011	0.33	0.014 Q	0.042 Q	0.049 Q	<u>0.052</u>	<u>0.035 Q</u>	0.033 Q	0.048 Q	<u>0.059</u>	0.0068 Q	0.16	0.083	0.026 Q	< 0.017	0.051	0.13
	5/21/2008		0.021 Q	0.023 Q	0.82	0.017 Q	0.055	0.031 Q	<u>0.025</u>	0.019 Q	0.019 Q	0.021 Q	<u>0.025 Q</u>	< 0.0043	0.15	0.2	0.013 Q	0.023 Q	0.043 Q	0.14
	8/21/2008		0.013 Q	0.011 Q	1.1	0.026 Q	0.072	0.026 Q	<u>0.025</u>	<u>0.02 Q</u>	0.019 Q	0.023 Q	<u>0.023 Q</u>	< 0.0043	0.15	0.18	0.014 Q	0.027 Q	0.035 Q	0.099
	8/21/2008	low-flow	< 0.0096	< 0.011	0.89	0.016 Q	0.056	< 0.0035	< 0.0055	< 0.0052	< 0.0063	< 0.0078	< 0.0071	< 0.0043	0.058	0.16	< 0.0036	0.022 Q	0.01 Q	0.032 Q
W06																				
	10/26/2005		0.076	0.063	0.19	0.017 Q	0.079	0.14	<u>0.12</u>	<u>0.089 Q</u>	0.084	0.087 Q	<u>0.13</u>	0.024 Q	0.21	0.041	0.068	0.072	0.25	0.22
	2/27/2007		0.04 Q	0.052 Q	0.19 Q	0.019 Q	0.12 Q	0.2	<u>0.22</u>	<u>0.16 Q</u>	0.14	0.15 Q	<u>0.18</u>	0.032 Q	0.46 Q	0.034 Q	0.1	0.044 Q	0.26 Q	0.47 Q
	11/26/2007		0.021 Q	0.025 Q	0.11	0.0099 Q	0.065	0.07	<u>0.075</u>	<u>0.054 Q</u>	0.05 Q	0.059 Q	<u>0.077</u>	< 0.023	0.19	0.02 Q	0.037 Q	0.024 Q	0.1	0.17
	2/27/2008		< 0.0096	< 0.011	0.066	< 0.005	0.0088 Q	0.0054 Q	< 0.0055	< 0.0052	< 0.0063	< 0.0078	0.0082 Q	< 0.0043	0.025 Q	< 0.0063	< 0.0036	< 0.017	0.013 Q	0.024 Q
	5/21/2008		0.02 Q	0.026 Q	0.12	0.0075 Q	0.052	0.071	<u>0.059</u>	<u>0.044 Q</u>	0.044 Q	*0.043 Q	<u>0.063</u>	0.009 Q	0.18	0.017 Q	0.029 Q	0.024 Q	0.099	0.21
	8/20/2008		0.013 Q	0.012 Q	0.086	0.0052 Q	0.028 Q	0.029 Q	<u>0.028</u>	<u>0.02 Q</u>	0.021 Q	0.025 Q	<u>0.028 Q</u>	0.0047 Q	0.099	0.0076 Q	0.014 Q	0.018 Q	0.045 Q	0.081
	8/20/2008	low-flow	< 0.0097	< 0.011	0.044 Q	< 0.0051	0.0076 Q	< 0.0035	< 0.0055	< 0.0052	< 0.0064	< 0.0079	< 0.0071	< 0.0044	0.0077 Q	< 0.0064	< 0.0037	< 0.017	< 0.0076	< 0.0069

Table 4. Groundwater Laboratory Analytical Results - Polynuclear Aromatic Hydrocarbons (PAH)



Site Closure  
 Project # 1609 We Energies-Valley Power Plant  
 1035 W. Canal Street, Milwaukee, Wisconsin  
 BRRTS# : 0241001055

FID# : 241007800

Sample ID	Collection Date	All PAH analytical results in µg/L.	1-Methyl naphthalene	2-Methyl naphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (a) anthracene	Benzo (a) pyrene	Benzo (b) fluoranthene	Benzo (ghi) perylene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>																				
<i>Preventive Action Limit</i>			NS	NS	NS	NS	600	NS	0.02	0.02	NS	NS	0.02	NS	80	80	NS	10	NS	50
<b>Enforcement Standard</b>			NS	NS	NS	NS	3000	NS	0.2	0.2	NS	NS	0.2	NS	400	400	NS	100	NS	250
<b>W07</b>																				
	10/26/2005		0.024 Q	0.025 Q	< 0.0086	< 0.0086	< 0.012	< 0.017	< 0.019	< 0.017 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.02 Q	< 0.0096	< 0.02	0.022 Q	0.02 Q	0.02 Q
	2/28/2007		0.011 Q	0.017 Q	< 0.0082 Q	< 0.0081 Q	0.024 Q	0.052	<u>0.058 Q</u>	<u>0.048 Q</u>	0.039 Q	0.044 Q	<u>0.051 Q</u>	< 0.019	0.14 Q	< 0.0091 Q	0.032 Q	0.016 Q	0.069 Q	0.12 Q
	11/26/2007		< 0.011	< 0.012	< 0.0086	< 0.0086	< 0.012	< 0.017	< 0.019	< 0.017 Q	< 0.02	< 0.02 Q	< 0.02	< 0.02	0.025 Q	< 0.0096	< 0.02	< 0.013	0.014 Q	0.02 Q
	2/26/2008		< 0.0095	< 0.011	< 0.0078	< 0.005	0.025 Q	0.054	<u>0.049</u>	<u>0.037 Q</u>	0.035 Q	0.045 Q	<u>0.061</u>	0.0062 Q	0.17	< 0.0063	0.025 Q	< 0.016	0.046 Q	0.13
	5/21/2008		< 0.0095	< 0.011	< 0.0078	< 0.005	0.0085 Q	0.0098 Q	< 0.0054	0.0085 Q	0.0081 Q	0.0081 Q	0.013 Q	< 0.0043	0.02 Q	< 0.0063	0.0054 Q	< 0.016	0.01 Q	0.016 Q
	8/21/2008		< 0.0095	< 0.011	< 0.0078	< 0.005	0.0091 Q	0.011 Q	0.011 Q	0.009 Q	0.0077 Q	0.0092 Q	0.0096 Q	< 0.0043	0.028 Q	< 0.0063	0.0059 Q	< 0.016	0.012 Q	0.022 Q
	8/21/2008	low-flow	< 0.0095	< 0.011	< 0.0078	< 0.005	0.0083 Q	< 0.0035	< 0.0054	< 0.0051	< 0.0062	< 0.0078	< 0.007	< 0.0043	< 0.0053	< 0.0063	< 0.0036	0.017 Q	< 0.0075	< 0.0068
<b>W08</b>																				
	10/26/2005		0.016 Q	0.015 Q	0.05	0.015 Q	0.028 Q	0.061	<u>0.049 Q</u>	<u>0.036 Q</u>	0.028 Q	0.037 Q	<u>0.054 Q</u>	< 0.02	0.088	0.01 Q	0.022 Q	0.028 Q	0.071	0.11
	2/27/2007		0.048 Q	0.065 Q	0.14 Q	< 0.0089 Q	0.075 Q	0.024 Q	<u>0.026 Q</u>	0.018 Q	0.022 Q	< 0.021 Q	<u>0.023 Q</u>	< 0.021	0.098 Q	0.016 Q	< 0.021	0.037 Q	0.046 Q	0.085 Q
	11/26/2007		< 0.058	< 0.064	1.5	< 0.046	0.1 Q	< 0.089	< 0.1	< 0.089 Q	< 0.11	< 0.11 Q	< 0.11	< 0.11	0.22 Q	< 0.052	< 0.11	< 0.071	0.14 Q	0.18 Q
	2/26/2008		< 0.077	< 0.086	1.5	< 0.04	< 0.053	< 0.028	< 0.044	< 0.042	< 0.05	< 0.063	< 0.056	< 0.035	0.071 Q	< 0.051	< 0.029	< 0.13	< 0.06	< 0.055
	5/21/2008		< 0.04	< 0.044	1.6	< 0.021	0.056 Q	< 0.014	< 0.022	< 0.021	< 0.026	< 0.032	< 0.029	< 0.018	0.087 Q	0.03 Q	< 0.015	< 0.068	< 0.031	0.082 Q
	8/21/2008		< 0.095	< 0.11	3.5	< 0.05	0.082 Q	< 0.035	< 0.054	< 0.051	< 0.062	< 0.078	< 0.07	< 0.043	0.14 Q	< 0.063	< 0.036	< 0.16	< 0.075	0.1 Q
	8/21/2008	low-flow	0.029 Q	0.026 Q	1.2	0.024 Q	0.1	< 0.0035	< 0.0055	< 0.0052	< 0.0063	< 0.0078	< 0.0071	< 0.0043	0.11	0.019 Q	< 0.0036	0.028 Q	0.025 Q	0.075
<b>W09</b>																				
	11/26/2007		100 Q	< 1.3	13	5.1	7.4	2.7 Q	<u>2.3 Q</u>	< 1.8 Q	< 2.2	< 2.2 Q	<u>3.1 Q</u>	< 2.1	7.8	27	< 2.1	4.9	34	13
	2/27/2008		82.1	< 1.1	13.3	5.7	5.9	2 Q	<u>1.7 Q</u>	<u>1 Q</u>	1 Q	1.3 Q	<u>2.8 Q</u>	< 0.43	6.4	27.4	0.61 Q	3.4 Q	19.6	10.7
	5/21/2008		55.8	< 1.1	7	< 0.5	2.1 Q	1.1 Q	<u>0.67 Q</u>	<u>0.57 Q</u>	0.62 Q	< 0.78	<u>0.89 Q</u>	< 0.43	2.4 Q	14	< 0.36	< 1.6	9.4	4.8
	8/20/2008		31.8	< 1.1	8	0.59 Q	3.8 Q	1.2 Q	<u>1.1 Q</u>	<u>0.79 Q</u>	1.1 Q	0.87 Q	<u>1.4 Q</u>	< 0.43	4.1 Q	15.9	< 0.36	< 1.6	5.7	5.5
	8/20/2008	low-flow	24.4	0.047	3.6 Q	0.042 Q	0.38	0.028 Q	0.013 Q	0.0096 Q	0.0075 Q	0.008 Q	<u>0.023 Q</u>	< 0.0043	0.18	5.8	0.0046 Q	0.37	2.5 Q	0.29

Notes

- Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Preventive Action Limit (PAL) Standard are identified in italics and underlined.
- Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Enforcement Standard (ES) are identified in bold and underlined.

<2.0 : Parameter not detected above the Limit of Detection indicated.  
 NS : NR 140 Wisconsin Groundwater Quality Standard has not been established for this parameter.  
 TB : Trip Blank for QA/QC.  
 QC: Quality Control duplicate sample.  
 Q: Analyte result has been qualified, see laboratory analytical report for additional information.  
 --: Analysis not performed.

**Table 5. Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters**

**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters						Field Parameters					
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane (µg/L)	Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<u>Preventive Action Limit</u>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<u>Enforcement Standard</u>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS
P01CR													
	10/26/05	2700	--	<u>20000</u>	<u>1700</u>	11000	< 0.061	5.7	7.07	16.03	4286	4.12	80.6
	02/17/06	1900	--	<u>26000</u>	<u>2300</u>	3800	0.074 Q	4.3	7.23	12.11	351	1.16	102
	02/27/07	1700	80 Q	<u>18000</u>	<u>1200</u>	5100	< 0.11	6 Q	6.7	14.5	4040	--	--
	11/26/07	--	--	<u>20000 Q</u>	<u>1100 Q</u>	7600	< 0.096	6.4	6.7	12	4200	--	19
	02/26/08	--	--	<u>21200</u>	<u>1340</u>	4290	< 0.096	5.5	6.7	12.5	4040	--	86
	05/21/08	--	--	<u>22900</u>	<u>1300</u>	6460	< 0.096	3.7 Q	6.6	13	4500	--	77
	08/20/08	--	--	<u>24200</u>	<u>1160</u>	8960	< 0.096	5 Q	6.9	15	4630	0.3	45
P02													
	10/26/05	1000	--	<u>29000</u>	<u>1900</u>	11000	< 0.061	1.6 Q	7.16	15.42	1867	6.31	71.5
	02/17/06	890	--	<u>28000</u>	<u>1900</u>	9500	< 0.061	2.5 Q	7.19	11.94	2090	1.22	127
	02/28/07	1500	<u>720 Q</u>	<u>10000</u>	<u>1300</u>	5200	< 0.11	<u>180</u>	7.3	10	2810	--	--
	11/26/07	--	--	<u>36000</u>	<u>1500</u>	13000	< 0.096	25	6.9	11	2220	--	13
	02/26/08	--	--	<u>36800</u>	<u>1690</u>	4810	< 0.096	6.5	6.9	10.5	8100	--	7.4
	05/21/08	--	--	<u>40000</u>	<u>1520</u>	7890	< 0.096	2.8 Q	6.9	13	2050	--	51
	08/21/08	--	--	<u>38200</u>	<u>1400</u>	12500	< 0.096	2.5 Q	7.2	15.1	1930	0.35	121

**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters						Field Parameters					
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<i>Preventive Action Limit</i>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<b>Enforcement Standard</b>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS
QC01													
(P02)	10/26/05	1000	--	<b>25000</b>	<b>1900</b>	3700	0.083 Q	1.4 Q	--	--	--	--	--
(W07)	02/17/06	600	--	<b>22000</b>	<b>1300</b>	700	0.13 Q	<b>750</b>	--	--	--	--	--
(W03R)	02/27/07	120	< 30 Q	< 50	<b>1300</b>	13	< 0.11	<b>1800</b>	--	--	--	--	--
(P01CR)	11/26/07	--	--	<b>19000 Q</b>	<b>1200 Q</b>	9200	< 0.096	6.4	--	--	--	--	--
(W02)	02/27/08	--	--	<b>264</b>	<b>91.7</b>	1650	< 0.096	<b>1050</b>	--	--	--	--	--
(W04)	05/21/08	--	--	<b>24000</b>	<b>798</b>	97.6	< 0.096	<b>371</b>	--	--	--	--	--
(P01CR)	08/20/08	--	--	<b>24100</b>	<b>1280</b>	9400	< 0.096	5.1 Q	--	--	--	--	--
W01													
	10/26/05												Product present
	02/17/06												sheen
	09/22/06												Well abandoned
W02													
	10/26/05												Product present
	02/17/06												0.02 ft product
	02/28/07	280	< 30 Q	<b>720</b>	<b>290</b>	2900	< 0.11	<b>870</b>	7.3	7.5	5160	--	--
	11/26/07	--	--	65 Q	<b>88</b>	3300 Q	< 0.096	<b>240</b>	7.1	10.2	2270	--	-71
	02/27/08	--	--	<b>257</b>	<b>93.2</b>	1680	< 0.096	<b>1050</b>	7.3	6.5	8270	--	-12
	05/21/08	--	--	19.1 Q	<b>119</b>	3370	0.12 Q	<b>1170</b>	6.8	13	> 10000	--	-125
	08/20/08	--	--	43.3 Q	<b>72.9</b>	4880 Q	< 0.096	<b>806</b>	7	22.5	8670	0.56	-137

Table 5. Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters



**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters							Field Parameters				
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane (µg/L)	Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<i>Preventive Action Limit</i>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<b>Enforcement Standard</b>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS
W03R													
	10/26/05	150	--	39 Q	<b>1300</b>	23	< 0.061	<b>1800</b>	7.52	17.52	4483	5.11	97.1
	02/17/06	110	--	< 50	<b>1200</b>	29 Q	< 0.061	<b>1400</b>	7.32	9.29	4540	0.93	143
	02/27/07	120	< 30 Q	< 50	<b>1300</b>	16	< 0.11	<b>1800</b>	7.2	11.5	5060	--	--
	11/26/07	--	--	64 Q	<b>1300</b>	50	< 0.096	<b>1800</b>	7.1	15.5	6720	--	399
	02/27/08	--	--	< 6.9	<b>1130</b>	26.5	< 0.096	<b>1640</b>	7.3	10.5	6270	--	4
	05/21/08	--	--	54 Q	<b>951</b>	17.6	< 0.096	<b>1700</b>	7.4	12.5	9420	--	-32
	08/20/08	--	--	< 6.9	<b>926</b>	279	< 0.096	<b>1840</b>	7.1	18.4	9530	0.41	69
W04													
	10/26/05	350	--	<b>1300</b>	<b>400</b>	6200	< 0.061	92	7.27	16.05	2127	4.68	182.8
	02/17/06	490	--	<b>2700</b>	<b>720</b>	2400	< 0.061	<b>440</b>	7.32	9.4	3230	0.8	156
	02/28/07	400	< 30 Q	<b>890</b>	<b>430</b>	3000	< 0.11	<b>250</b>	7.2	10	2940	--	--
	11/26/07	--	--	<b>3200</b>	<b>530</b>	4000	< 0.096	12	7	12.5	2060	--	58
	02/26/08	--	--	<b>1500</b>	<b>581</b>	1620 Q	< 0.096	89.8	7.1	9.5	2160	--	14.3
	05/21/08	--	--	<b>23600</b>	<b>779</b>	72	< 0.096	<b>369</b>	7	10.5	2160	--	103
	08/21/08	--	--	<b>14700</b>	<b>707</b>	405	< 0.096	<b>302</b>	7.1	14.8	2050	0.43	84

Table 5. Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters



**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters						Field Parameters					
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<i>Preventive Action Limit</i>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<b>Enforcement Standard</b>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS
W05	10/26/05	1400	--	<b>33000</b>	<b>1100</b>	5900	< 0.061	2.1 Q	7.39	14.68	3716	3.31	213.7
	02/17/06	1300	--	<b>43000</b>	<b>1400</b>	5600	0.073 Q	17	7.3	6.31	6670	3.68	234
	02/28/07	1300	44 Q	<b>33000</b>	<b>1600</b>	4100	< 0.11	5.1	7	9.5	7720	--	--
	11/26/07	--	--	<b>33000</b>	<b>1300</b>	5600	< 0.096	3.5	6.8	13	9740	--	50
	02/26/08	--	--	<b>46000</b>	<b>1750</b>	1650	< 0.096	4.9	6.8	9	8360	--	101
	05/21/08	--	--	<b>45300</b>	<b>1620</b>	4170	< 0.096	3.6 Q	6.8	9.5	> 10000	--	92
	08/21/08	--	--	<b>37000</b>	<b>1600</b>	4520	< 0.096	6.2 Q	6.9	15.6	1650	0.68	74
W06	10/26/05	650	--	<u>210</u>	<b>84</b>	4300	< 0.061	79	7.49	20.36	2942	4.54	39.7
	02/23/06	340	--	<u>310</u>	<b>52</b>	600 Q	< 0.061	120	--	--	--	--	--
	02/27/07	290	< 30 Q	<u>330</u>	<b>63</b>	2200	< 0.11	67	7.4	12.5	1293	--	--
	11/26/07	--	--	<u>1600</u>	<b>270</b>	4400	< 0.096	20	7.3	11.5	1680	--	-8
	02/27/08	--	--	<u>339</u>	<b>122</b>	2410	< 0.096	47.3	7.2	10	1590	--	110
	05/21/08	--	--	<u>578</u>	<b>146</b>	3750	< 0.096	60.5	6.9	13.5	2140	--	102
	08/20/08	--	--	<u>303</u>	<b>107</b>	3520	< 0.096	38 Q	7.5	21.7	1700	0.28	8

Table 5. Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters





**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters						Field Parameters					
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<i>Preventive Action Limit</i>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<b>Enforcement Standard</b>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS
W07	10/26/05	1900	--	<b>33000</b>	<b>1900</b>	7600	< 0.061	57	7.01	15.15	3500	6.09	65
	02/17/06	630	--	<b>25000</b>	<b>1400</b>	1100	0.14 Q	<b>770</b>	7.25	8.96	4420	1.46	142
	02/28/07	640	< 30 Q	<b>13000</b>	<b>1600</b>	3100	0.29 Q	<b>790</b>	6.9	8	3070	--	--
	11/26/07	--	--	<b>16000</b>	<b>540</b>	7500	< 0.096	<b>400</b>	6.9	11	5090	--	13
	02/26/08	--	--	<b>11400</b>	<b>414</b>	2370	< 0.096	<b>341</b>	7	8	3760	--	70
	05/21/08	--	--	<b>8120</b>	<b>340</b>	426 Q	< 0.096	<b>404</b>	7	10.54	4820	--	86
	08/21/08	--	--	<b>9040</b>	<b>311</b>	2280	< 0.096	<b>340</b>	7.1	16.5	4860	0.31	69
W08	10/26/05	1300	--	<b>220</b>	<b>170</b>	< 10	<b>4.3</b>	<b>1200</b>	7.11	20.05	6811	6.02	226.2
	02/17/06	1300	--	<b>1400</b>	<b>280</b>	550	0.15 Q	<b>1200</b>	7.13	13.95	6890	2.13	187
	02/27/07	1200	< 30 Q	<b>4300</b>	<b>340</b>	590	< 0.11	<b>1300</b>	6.9	17.5	6250	--	--
	11/26/07	--	--	<b>5700</b>	<b>410</b>	830	< 0.096	<b>1400</b>	6.9	18	7920	--	21
	02/26/08	--	--	<b>3810</b>	<b>259</b>	959	< 0.096	<b>1480</b>	6.9	14.6	8000	--	155
	05/21/08	--	--	<b>3520</b>	<b>245</b>	766	< 0.096	<b>1400</b>	6.9	16.5	6970	--	120
	08/21/08	--	--	<b>3950</b>	<b>313</b>	928	< 0.096	<b>1260</b>	7	29.1	6920	0.24	82
W09	11/26/07	--	--	<b>280 Q</b>	<b>280</b>	6500	< 0.096	<b>550</b>	6.9	15	4480	--	-70
	02/27/08	--	--	<b>488</b>	<b>213</b>	3890	< 0.096	<b>455</b>	6.8	9.5	4270	--	-169
	05/21/08	--	--	<b>487</b>	<b>188</b>	5950	< 0.096	<b>392</b>	6.8	12.5	4170	--	-118
	08/20/08	--	--	<b>877</b>	<b>143</b>	4840	< 0.096	<b>340</b>	7	17.5	4420	0.3	-153

Table 5. Groundwater Analytical Results - Laboratory and Field Remedial Natural Attenuation (RNA) Parameters



**Site Closure**

**Project # 1609 We Energies-Valley Power Plant**

**1035 W. Canal Street, Milwaukee, Wisconsin**

**BRRTS# : 0241001055**

**FID# : 241007800**

Sample ID	Collection Date	Laboratory Parameters						Field Parameters					
		Alkalinity (mg/L)	Ferrous Iron (µg/L)	Dissolved Iron (µg/L)	Dissolved Manganese (µg/L)	Methane Nitrate + Nitrite (mg/L)	Sulfate (mg/L)	pH (SU)	Temperature (Degrees C)	Conductivity (µmhos/cm)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	
<b>Wisconsin Groundwater Quality Standards (NR 140, January 2007)</b>													
<i>Preventive Action Limit</i>		NS	150	150	25	NS	2	125	NS	NS	NS	NS	NS
<b><u>Enforcement Standard</u></b>		NS	300	300	50	NS	10	250	NS	NS	NS	NS	NS

Notes

- 1) Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Preventive Action Limit (PAL) Standard are identified in italics and underlined.
- 2) Parameters that attain or exceed the NR 140 Wisconsin Groundwater Quality Enforcement Standard (ES) are identified in bold and underlined.

<2.0 : Parameter not detected above the Limit of Detection indicated.

ns : NR 140 standard not established

Q: Analyte result has been qualified, see laboratory analytical report for additional information.

QC: Quality Control duplicate sample.

--: Analysis not performed.

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
<b>Monitoring Wells</b>										
<b>W-1</b>	4/29/2003	586.43	589.01	10	14.50	584.5	10.40	<u>2.14</u>	12.54	578.27
	5/13/2003						9.39	<u>2.82</u>	12.21	579.17
	6/4/2003						9.72	<u>1.59</u>	11.31	579.04
	11/24/2003						np	np	10.28	<b>578.73</b>
	2/5/2004	586.23 B	589.02 B	10	14.50	584.5	10.60	<u>0.17</u>	10.77	578.39
	4/19/2004						8.33	<u>0.01</u>	8.34	580.69
	5/25/2004						7.20	<u>0.03</u>	7.23	581.82
	7/1/2004						7.86	<u>0.10</u>	7.96	581.14
	7/28/2004						np	np	8.22	<b>580.80</b>
	8/26/2004						8.58	<u>0.16</u>	8.74	580.41
	9/27/2004						6.22	<u>0.19</u>	6.32	582.78
	11/5/2004	586.25	586.05	10	11.50	584.6	7.01	<u>0.10</u>	7.11	579.02
	12/28/2004						7.57	<u>0.05</u>	7.62	578.47
	1/26/2005						6.51	<u>0.02</u>	6.53	579.54
	4/4/2005						5.37	<u>0.12</u>	5.49	580.66
	4/28/2005						5.64	<u>0.11</u>	5.75	580.39
	7/1/2005						5.97	<u>0.15</u>	6.12	580.06
	8/1/2005						5.64	<u>0.20</u>	5.84	580.38
	9/29/2005						6.01	<u>0.12</u>	6.13	580.02
	10/26/2005						6.25	<u>0.02</u>	6.27	579.80
2/17/2006						np	np	5.34	580.71	
2/27/2007						Well Abandoned				
<b>W-2</b>	4/29/2003	586.79	589.17	10	14.50	584.7	10.01	<u>0.52</u>	10.53	579.08
	5/13/2003						8.68	<u>0.62</u>	9.30	580.39
	6/4/2003						8.82	<u>0.22</u>	9.04	580.31
	11/24/2003						8.21	<u>0.02</u>	8.23	580.96
	2/5/2004	586.94 B	586.83 B	10	12.16	584.7	7.21	<u>0.24</u>	7.45	579.58
	4/19/2004						5.87	<u>0.01</u>	5.88	580.96
	4/26/2004						~1.5 inches were trimmed from PVC so that the flush mount could close			
	5/25/2004	586.94 B	586.71 B	10	12.04	584.7	4.85	<u>0.01</u>	4.86	581.85
	7/1/2004						np	np	5.10	<b>581.61</b>
	7/28/2004						5.21	<u>0.01</u>	5.22	581.49
	8/26/2004						5.60	<u>0.05</u>	5.65	581.10
	9/27/2004						5.60	<u>0.23</u>	5.83	581.07
	11/5/2004	586.89	586.66	10	11.99	584.7	6.34	<u>0.05</u>	6.39	580.31
	12/28/2004						6.31	<u>0.01</u>	6.32	580.35
	1/26/2005						5.98	<u>0.02</u>	6.00	580.68
	3/17/2005						5.38	<u>0.02</u>	5.40	581.28
	4/4/2005						np	np	5.61	581.05
	4/28/2005						5.52	<u>0.01</u>	5.53	581.14
	7/1/2005						5.68	<u>0.01</u>	5.69	580.98
	8/1/2005						5.56	<u>0.02</u>	5.58	581.10
9/29/2005						5.30	<u>0.01</u>	5.31	581.36	
10/26/2005						5.54	<u>0.02</u>	5.56	581.12	
2/17/2006						5.06	<u>0.02</u>	5.08	581.60	
2/27/2007	586.84	586.62	10		584.7	5.54	<u>0.03</u>	5.57	581.08	
11/16/2007						4.98	<u>0.02</u>	5.00	581.64	
11/26/2007						na	na	5.48	na	
2/27/2008						5.02	<u>0.02</u>	5.04	581.60	
5/21/2008						5.03	<u>0.02</u>	5.05	581.59	
8/20/2008						5.34	<u>0.02</u>	5.36	581.28	
<b>W-3</b>	4/29/2003	587.10	590.47	10	14.50	586.0	np	np	9.60	<b>580.87</b>
	5/13/2003						np	np	7.88	<b>582.59</b>
	6/4/2003						np	np	8.77	<b>581.70</b>
	11/24/2003						np	np	9.33	<b>581.14</b>
	2/5/2004	586.99 B	590.49 B	10	14.50	586.0	np	np	10.30	<b>580.19</b>
	4/19/2004						Well damaged during on-site activities			
	5/25/2004						Well damaged during on-site activities			
	7/1/2004						Well damaged during on-site activities			
	7/28/2004						Well damaged during on-site activities			
	8/26/2004						Well damaged during on-site activities			
9/22/2004						Well abandoned				
<b>W-3R</b>	9/22/2004						Replacement Well installed			
	9/27/2004	586.86	586.57	10	10.58	586.0	np	np	5.25	<b>581.32</b>
	11/5/2004						np	np	4.66	<b>581.91</b>
	1/26/2005						np	np	5.01	<b>581.56</b>
	4/28/2005						np	np	5.04	<b>581.53</b>
	7/1/2005						np	np	5.41	<b>581.16</b>
	8/1/2005						np	np	5.34	<b>581.23</b>
	9/29/2005						np	np	4.86	<b>581.71</b>
	10/26/2005						np	np	5.01	<b>581.56</b>
	2/17/2006						np	np	5.17	<b>581.40</b>
	2/27/2007	586.83	586.57	10		586.0	np	np	5.67	<b>580.90</b>
11/26/2007						np	np	5.24	<b>581.33</b>	

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	2/27/2008						np	np	4.91	581.66
	5/21/2008						np	np	4.58	581.99
	8/20/2008						np	np	4.98	581.59
<b>W-4</b>	4/29/2003	585.59	588.54	10	14.50	584.0	np	np	9.03	579.51
	5/13/2003						np	np	6.76	581.78
	6/4/2003						np	np	8.45	580.09
	11/24/2003						np	np	8.00	580.54
	2/5/2004						np	np	9.45	579.09
	4/19/2004						np	np	8.39	580.15
	4/26/2004						np	np	6.71	581.83
	9/27/2004						np	np	9.21	579.33
	11/5/2004						np	np	8.32	580.22
	1/26/2005						np	np	8.36	580.18
	4/28/2005						np	np	8.41	580.13
	8/1/2005						np	np	9.01	579.53
	10/26/2005						np	np	9.99	578.55
	2/17/2006						np	np	8.16	580.38
	2/27/2007	584.74	587.83	10		584.0	np	np	8.03	579.80
	11/26/2007						np	np	8.30	579.53
	2/26/2008						np	np	7.73	580.10
	5/21/2008						np	np	6.90	580.93
	8/21/2008						np	np	7.03	580.80
<b>W-5</b>	4/29/2003	585.13	588.34	10	14.50	583.8	np	np	10.09	578.25
	5/13/2003						np	np	9.74	578.60
	6/4/2003						np	np	9.31	579.03
	11/24/2003						np	np	9.87	578.47
	2/5/2004						np	np	10.22	578.12
	4/19/2004						np	np	8.86	579.48
	4/26/2004						np	np	8.90	579.44
	9/27/2004						np	np	9.35	578.99
	11/5/2004						np	np	9.38	578.96
	1/26/2005						np	np	9.41	578.93
	4/28/2005						np	np	8.54	579.80
	8/1/2005						np	np	10.02	578.32
	10/26/2005						np	np	9.96	578.38
	2/17/2006						np	np	8.44	579.90
	2/27/2007	585.26	588.23	10		583.8	np	np	9.42	578.81
	11/26/2007						np	np	10.68	577.55
	2/26/2008						np	np	10.35	577.88
	5/21/2008						np	np	8.15	580.08
	8/21/2008						np	np	9.08	579.15
<b>W-6</b>	4/29/2003	586.29	586.05	10	14.50	581.6	np	np	7.40	578.65
	5/13/2003						np	np	6.79	579.26
	6/4/2003						np	np	6.47	579.58
	11/24/2003						np	np	7.28	578.77
	2/9/2004						np	np	8.07	577.98
	4/19/2004						np	np	4.94	581.11
	4/26/2004						np	np	5.35	580.70
	9/27/2004						np	np	6.33	579.72
	11/5/2004	586.29	586.01	10	14.50	581.6	np	np	7.69	578.32
	1/26/2005						np	np	6.66	579.35
	4/28/2005						np	np	5.73	580.28
	8/1/2005						np	np	5.68	580.33
	9/29/2005						np	np	5.65	580.36
	10/26/2005						np	np	6.27	579.74
	2/17/2006						np	np	--	--
	2/27/2007	586.25	585.97	10		581.6	np	np	5.62	580.35
	11/27/2007						np	np	5.92	580.05
	2/27/2008						np	np	6.24	579.73
	5/21/2008						np	np	6.08	579.89
	8/20/2008						np	np	6.25	579.72
<b>W-7</b>	6/4/2003	586.68	586.47	10	14.70	581.8	np	np	7.73	578.74
	11/24/2003						np	np	7.76	578.71
	2/5/2004						np	np	8.20	578.27
	4/19/2004						np	np	7.69	578.78
	4/26/2004						np	np	7.45	579.02
	9/27/2004						np	np	7.12	579.35
	11/5/2004						np	np	7.52	578.95
	1/26/2005						np	np	7.33	579.14
	4/28/2005						np	np	7.62	578.85
	8/1/2005						np	np	7.57	578.90
	10/26/2005						np	np	8.04	578.43
	2/17/2006						np	np	5.49	580.98
	2/27/2007	586.41	589.70	10		581.8	np	np	9.95	579.75

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	11/26/2007						np	np	10.69	579.01
	2/26/2008						np	np	10.58	579.12
	5/21/2008						np	np	10.17	579.53
	8/21/2008						np	np	10.13	579.57
<b>W-8</b>	11/24/2003	585.44 B	587.25 B	10	17.31	579.9	np	np	dry	dry
	2/5/2004						np	np	dry	dry
	4/19/2004						np	np	14.49	572.76
	4/26/2004						np	np	12.75	574.50
	9/27/2004						np	np	16.76	570.49
	11/5/2004						np	np	12.83	574.42
	1/26/2005						np	np	13.37	573.88
	4/28/2005						np	np	10.91	576.34
	8/1/2005						np	np	11.39	575.86
	10/26/2005						np	np	12.12	575.13
	2/17/2006						np	np	10.86	576.39
	2/27/2007	585.31	587.15	10		579.9	np	np	10.93	576.22
	11/26/2007						np	np	11.16	575.99
	2/26/2008						np	np	10.56	576.59
	5/21/2008						np	np	10.57	576.58
	8/21/2008						np	np	10.70	576.45
<b>W-9</b>	10/17/2007	586.92	586.60		13.95		np	np	5.96	580.64
	11/14/2007						np	np	8.62	577.98
	11/26/2007						np	np	6.18	580.42
	2/27/2008						np	np	6.15	580.45
	5/21/2008						np	np	7.66	578.94
	8/20/2008						np	np	6.13	580.47
<b>P-1C</b>	4/29/2003	586.35	589.05	3	36.20	555.9	np	np	16.08	572.97
	5/13/2003						np	np	15.55	573.50
	6/4/2003						np	np	15.66	573.39
	6/5/2003						Well destroyed by on-site activities, replaced with P-1CR			
	9/22/2004						Well abandoned			
<b>P-1CR</b>	9/22/2004						Replacement Well installed			
	9/25/2004	586.18	585.93	5	36.00	554.9	np	np	10.47	575.46
	9/27/2004						np	np	10.60	575.33
	11/5/2004						np	np	10.99	574.94
	1/26/2005						np	np	11.88	574.05
	4/28/2005						np	np	10.73	575.20
	8/1/2005						np	np	10.91	575.02
	10/26/2005						np	np	11.64	574.29
	2/17/2006						np	np	10.35	575.58
	2/27/2007	585.51	588.25	5		554.9	np	np	12.78	575.47
	11/26/2007						np	np	11.93	576.32
	2/26/2008						np	np	12.19	576.06
	5/21/2008						np	np	11.17	577.08
	8/20/2008						np	np	11.46	576.79
<b>P-2</b>	6/4/2003	586.92	586.73	5	35.77	556.0	np	np	16.23	570.50
	11/24/2003						np	np	8.31	578.42
	2/5/2004						np	np	8.45	578.28
	4/19/2004						np	np	7.73	579.00
	4/26/2004						np	np	7.71	579.02
		After sample collection on 4/26/2004 ~4.9 inches were trimmed from PVC so flush mount could close								
	9/27/2004	586.59	586.04	5	35.77	556.0	np	np	6.89	579.15
	11/5/2004						np	np	7.05	578.99
	1/26/2005						np	np	7.45	578.59
	4/28/2005						np	np	8.92	577.12
	8/1/2005						np	np	8.46	577.58
	10/26/2005						np	np	10.18	575.86
	2/17/2006						np	np	5.08	580.96
	2/27/2007	586.26	589.03	5		556.0	np	np	15.91	573.12
	11/26/2007						np	np	10.24	578.79
	2/26/2008						np	np	10.23	578.80
	5/21/2008						np	np	9.41	579.62
	8/21/2008						np	np	9.52	579.51
<b>Recovery Wells and Recovery Sumps - ALL ABANDONED</b>										
<b>RW-1</b>	11/24/2003	586.97 B	586.38 B	8	12.41	582.0	np	np	5.64	580.74
	2/9/2004						np	np	6.74	579.64
	4/19/2004						np	np	5.47	580.91
	5/25/2004						np	np	4.49	581.89
	7/1/2004						np	np	4.73	581.65
	7/28/2004						np	np	4.88	581.50
	8/26/2004						np	np	5.25	581.13
	9/27/2004						np	np	5.62	580.76
	11/5/2004						np	np	6.11	580.27

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	12/28/2004						np	np	6.09	580.29
	1/26/2005						np	np	5.69	580.69
	3/17/2005						np	np	5.04	581.34
	4/4/2005						np	np	5.32	581.06
	4/28/2005						np	np	5.22	581.16
	5/23/2005						np	np	5.62	580.76
	7/11/2005						np	np	5.48	580.90
	8/1/2005						np	np	5.24	581.14
	9/29/2005						np	np	5.08	581.30
	10/28/2005						np	np	5.33	581.05
RW-2	11/24/2003	586.73 B	586.33 B	8	12.60	581.7	np	np	6.15	580.18
	2/9/2004						7.09	0.09	7.18	579.23
	4/19/2004						np	np	5.41	580.92
	5/25/2004						4.44	0.01	4.45	581.89
	7/1/2004						4.76	0.12	4.88	581.55
	7/28/2004						4.90	0.36	5.26	581.37
	8/26/2004						5.29	0.46	5.75	580.97
	9/27/2004						5.86	0.43	6.29	580.40
	11/5/2004						7.90	0.01	7.91	578.43
	12/28/2004						np	np	6.60	579.73
	1/26/2005						6.20	0.01	6.21	580.13
	3/17/2005						5.05	0.01	5.14	581.20
	4/4/2005						5.55	0.19	5.74	580.75
	4/28/2005						5.31	0.33	5.64	580.97
	5/23/2005						9.32	0.12	9.44	579.99
	7/11/2005						5.97	0.38	6.35	580.30
8/1/2005						5.37	0.42	5.79	580.89	
9/29/2005						5.16	0.36	5.72	581.08	
10/28/2005						6.48	0.91	7.39	579.70	
RW-3	11/24/2003	586.95 B	586.23 B	8	12.28	582.0	np	np	7.74	578.49
	2/9/2004						np	np	7.55	578.68
	4/19/2004						np	np	5.61	580.62
	5/25/2004						np	np	4.44	581.79
	7/1/2004						5.00	0.55	5.55	581.14
	7/28/2004						5.35	0.70	6.05	580.77
	8/26/2004						5.78	0.61	6.39	580.35
	9/27/2004						6.29	0.60	6.89	579.84
	11/5/2004						7.93	0.09	8.02	578.29
	12/28/2004						8.76	0.08	8.84	577.46
	1/26/2005						np	np	6.71	579.52
	3/17/2005						np	np	5.41	580.82
	4/4/2005						np	np	5.65	580.58
	4/28/2005						np	np	5.85	580.38
	5/23/2005						9.03	0.01	9.04	577.20
	7/11/2005						np	np	6.15	580.08
8/1/2005						np	np	5.85	580.38	
9/29/2005						np	np	5.99	580.24	
10/28/2005						np	np	9.26	576.97	
RW-4	11/24/2003	586.79 B	586.22 B	8	12.43	581.8	np	np	7.80	578.42
	2/9/2004						np	np	7.90	578.32
	4/19/2004						np	np	5.63	580.59
	5/25/2004						np	np	4.28	581.94
	7/1/2004						np	np	5.11	581.11
	7/28/2004						np	np	5.52	580.70
	8/26/2004						np	np	5.83	580.39
	9/27/2004						6.38	0.16	6.54	579.81
	11/5/2004						np	np	7.19	579.03
	12/28/2004						np	np	7.82	578.40
	1/26/2005						np	np	6.75	579.47
	4/28/2005						Well is not accessible (covered by installation of storage shed on-site)			
	5/23/2005						Well is not accessible (covered by installation of storage shed on-site)			
	7/11/2005						Well is not accessible (covered by installation of storage shed on-site)			
	8/1/2005						Well is not accessible (covered by installation of storage shed on-site)			
	9/29/2005						Well is not accessible (covered by installation of storage shed on-site)			
10/28/2005						Well is not accessible (covered by installation of storage shed on-site)				
RS-1	11/24/2003	586.21 B	585.84 B	8	12.63	581.2	np	np	7.09	578.75
	2/5/2004						7.39	0.09	7.48	578.44
	4/19/2004						np	np	4.97	580.87
	5/25/2004						np	np	4.20	581.64
	7/1/2004						np	np	4.67	581.17
	7/28/2004						np	np	5.09	580.75
	8/26/2004						np	np	5.44	580.40
	9/27/2004						5.95	0.20	6.15	579.86
	11/5/2004						np	np	6.71	579.13
	12/28/2004						np	np	7.27	578.57
	1/26/2005						np	np	6.20	579.64



**Table 6 - Summary of Groundwater and Free Product Measurement Data**  
**Site Closure**  
**We Energies Valley Power Plant, Milwaukee, Wisconsin**

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	3/17/2005						np	np	5.03	580.81
	4/4/2005						np	np	5.18	580.66
	4/28/2005						np	np	5.41	580.43
	5/23/2005						np	np	6.61	579.23
	7/11/2005						np	np	5.50	580.34
	8/1/2005						np	np	5.44	580.40
	9/29/2005						np	np	5.59	580.25
	10/28/2005						np	np	6.07	579.77
RS-2	11/24/2003	586.04 B	585.79 B	8	12.75	581.0	7.01	0.10	7.11	578.76
	2/5/2004						7.32	0.12	7.44	578.45
	4/19/2004						np	np	4.95	580.84
	5/25/2004						4.13	0.01	4.14	581.66
	7/1/2004						np	np	4.60	581.19
	7/28/2004						np	np	5.01	580.78
	8/26/2004						5.31	0.48	5.79	580.40
	9/27/2004						5.86	0.32	6.18	579.88
	11/5/2004						6.64	0.16	6.80	579.12
	12/28/2004						7.17	0.13	7.30	578.60
	1/26/2005						6.13	0.04	6.17	579.65
	3/17/2005						4.94	0.03	4.97	580.85
	4/4/2005						np	np	5.12	580.67
	4/28/2005						np	np	5.34	580.45
	5/23/2005						np	np	6.54	579.25
	7/11/2005						np	np	5.89	579.90
	8/1/2005						5.34	0.16	5.50	580.42
	9/29/2005						np	np	5.51	580.28
	10/28/2005						5.97	0.12	6.09	579.80
RS-3	11/24/2003	586.06 B	585.62 B	8	12.56	581.1	6.86	0.02	6.88	578.76
	2/5/2004						7.15	0.23	7.38	578.43
	4/19/2004						np	np	4.80	580.82
	5/25/2004						np	np	3.97	581.65
	7/1/2004						4.40	np	4.42	581.20
	7/28/2004						4.86	np	4.88	580.74
	8/26/2004						5.21	0.02	5.23	580.41
	9/27/2004						5.66	0.49	6.15	579.88
	11/5/2004						6.57	0.17	6.74	579.02
	12/28/2004						7.02	0.14	7.16	578.58
	1/26/2005						5.97	0.01	5.98	579.65
	3/17/2005						4.78	0.03	4.81	580.84
	4/4/2005						4.94	0.01	4.95	580.68
	4/28/2005						np	np	5.18	580.44
	5/23/2005						np	np	6.40	579.22
	7/11/2005						np	np	5.88	579.74
	8/1/2005						np	np	5.21	580.41
	9/29/2005						np	np	5.34	580.28
	10/28/2005						np	np	5.85	579.77
RS-4	11/24/2003	586.07 B	585.67 B	8	12.60	581.1	np	np	6.91	578.76
	2/5/2004						np	np	7.24	578.43
	4/19/2004						np	np	4.86	580.81
	5/25/2004						np	np	3.98	581.69
	7/1/2004						np	np	4.44	581.23
	7/28/2004						np	np	5.21	580.46
	8/26/2004						np	np	5.24	580.43
	9/27/2004						np	np	5.77	579.90
	11/5/2004						np	np	6.54	579.13
	12/28/2004						np	np	7.14	578.53
	1/26/2005						np	np	5.97	579.70
	3/17/2005						np	np	4.81	580.86
	4/4/2005						np	np	4.96	580.71
	4/28/2005						np	np	5.22	580.45
	5/23/2005						np	np	6.53	579.14
	7/11/2005						np	np	5.93	579.74
	8/1/2005						np	np	5.26	580.41
	9/29/2005						np	np	5.42	580.25
	10/28/2005						np	np	5.89	579.78
RS-5	11/24/2003	586.21 B	585.86 B	8	12.65	581.2	na	na	na	na
	2/5/2004						7.45	0.01	7.46	578.41
	4/19/2004						np	np	5.09	580.77
	5/25/2004						np	np	4.15	581.71
	7/1/2004						np	np	4.66	581.20
	7/28/2004						np	np	5.20	580.66
	8/26/2004						np	np	5.44	580.42
	9/27/2004						np	np	5.96	579.90
	11/5/2004						np	np	6.76	579.10
	12/28/2004						np	np	7.32	578.54
	1/26/2005						6.22	0.01	6.23	579.64

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Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	3/17/2005						np	np	4.98	580.88
	4/4/2005						np	np	5.15	580.71
	4/28/2005						np	np	5.43	580.43
	5/23/2005						np	np	6.82	579.04
	7/11/2005						np	np	5.90	579.96
	8/1/2005						np	np	5.45	580.41
	9/29/2005						np	np	5.63	580.23
	10/28/2005						np	np	6.08	579.78
<b>RS-6</b>	11/24/2003	586.40 B	586.01 B	8	12.61	581.4	7.30	0.01	7.31	578.71
	2/5/2004						7.58	0.02	7.60	578.43
	4/19/2004						np	np	5.30	580.71
	5/25/2004						np	np	4.24	581.77
	7/1/2004						Covered by construction equipment			
	7/28/2004						np	np	5.28	580.73
	8/26/2004						np	np	5.61	580.40
	9/27/2004						np	np	6.14	579.87
	11/5/2004						np	np	6.95	579.06
	12/28/2004						np	np	7.48	578.53
	1/26/2005						np	np	6.44	579.57
	3/17/2005						np	np	5.17	580.84
	4/4/2005						np	np	5.34	580.67
	4/28/2005						np	np	5.61	580.40
	5/23/2005						np	np	7.01	579.00
	7/11/2005						np	np	5.73	580.28
	8/1/2005						np	np	5.61	580.40
	9/29/2005						np	np	5.81	580.20
	10/28/2005						np	np	6.24	579.77
<b>RS-7</b>	11/24/2003	586.53 B	586.03 B	8	12.50	581.5	np	np	7.34	578.69
	2/5/2004						7.63	0.14	7.77	578.38
	4/19/2004						5.38	0.01	5.39	580.65
	5/25/2004						4.23	0.01	4.24	581.80
	7/1/2004						np	np	4.90	581.13
	7/28/2004						5.30	0.05	5.35	580.72
	8/26/2004						5.65	0.01	5.66	580.38
	9/27/2004						6.18	0.03	6.21	579.85
	11/5/2004						6.99	0.02	7.01	579.04
	12/28/2004						np	np	7.54	578.49
	1/26/2005						np	np	6.49	579.54
	3/17/2005						5.22	0.02	5.24	580.81
	4/4/2005						np	np	5.39	580.64
	4/28/2005						np	np	5.67	580.36
	5/23/2005						np	np	7.07	578.96
	7/11/2005						np	np	5.53	580.50
	8/1/2005						np	np	5.67	580.36
	9/29/2005						np	np	5.87	580.16
	10/28/2005						np	np	6.30	579.73
<b>RS-8</b>	11/24/2003	586.29 B	585.97 B	8	12.68	581.3	np	np	7.29	578.68
	2/9/2004						np	np	7.66	578.31
	4/19/2004						np	np	5.34	580.63
	5/25/2004						np	np	4.10	581.87
	7/1/2004						np	np	4.85	581.12
	7/28/2004						np	np	5.30	580.67
	8/26/2004						np	np	5.59	580.38
	9/27/2004						np	np	6.13	579.84
	11/5/2004						np	np	6.96	579.01
	12/28/2004						np	np	7.46	578.51
	1/26/2005						np	np	6.46	579.51
	3/17/2005						np	np	5.18	580.79
	4/4/2005						np	np	5.32	580.65
	4/28/2005						np	np	5.62	580.35
	5/23/2005						np	np	6.93	579.04
	7/11/2005						np	np	5.50	580.47
	8/1/2005						np	np	5.59	580.38
	9/29/2005						np	np	5.83	580.14
	10/28/2005						np	np	6.24	579.73
<b>RS-9</b>	11/24/2003	586.12 B	585.95 B	8	12.83	581.1	7.48	0.04	7.52	578.46
	2/9/2004						7.63	0.06	7.69	578.31
	4/19/2004						np	np	5.35	580.60
	5/25/2004						np	np	4.04	581.91
	7/1/2004						4.83	0.01	4.84	581.12
	7/28/2004						np	np	5.25	580.70
	8/26/2004						np	np	5.59	580.36
	9/27/2004						6.14	0.04	6.18	579.80
	11/5/2004						np	np	6.96	578.99
	12/28/2004						np	np	7.45	578.50
	1/26/2005						np	np	6.47	579.48

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	3/17/2005						np	np	5.17	580.78
	4/4/2005						np	np	5.32	580.63
	4/28/2005						np	np	5.64	580.31
	5/23/2005						np	np	6.84	579.11
	7/11/2005						5.65	0.02	5.67	580.30
	8/1/2005						np	np	5.61	580.34
	9/29/2005						np	np	5.86	580.09
	10/28/2005						np	np	6.26	579.69
<b>RS-10</b>	11/24/2003	586.14 B	585.51 B	8	12.37	581.1	np	np	7.54	577.97
	2/9/2004						np	np	7.24	578.27
	4/19/2004						np	np	5.05	580.46
	5/25/2004						np	np	3.60	581.91
	7/1/2004						np	np	4.47	581.04
	7/28/2004						np	np	4.89	580.62
	8/26/2004						np	np	5.20	580.31
	9/27/2004						np	np	5.83	579.68
	11/5/2004						np	np	6.59	578.92
	12/28/2004						np	np	7.02	578.49
	1/26/2005						np	np	6.08	579.43
	3/17/2005						np	np	4.82	580.69
	4/4/2005						np	np	4.94	580.57
	4/28/2005						np	np	5.25	580.26
	5/23/2005						np	np	6.30	579.21
	7/11/2005						np	np	5.72	579.79
	8/1/2005						np	np	5.24	580.27
	9/29/2005						np	np	5.49	580.02
	10/28/2005						np	np	5.88	579.63
<b>Bioslurping Wells - ALL ABANDONED</b>										
<b>BS-1*</b>	4/29/2003	*	*	7	11.50	*	*	*	*	*
Monitoring Well Abandoned										
<b>BS-2</b>	4/29/2003	586.63	586.04	7	11.50	582.0	7.17	0.97	8.14	578.71
	5/13/2003						6.52	1.43	7.95	579.29
	6/4/2003						6.42	1.59	8.01	579.37
	11/24/2003						Buried in dirt, cannot get measurements, marked with cone			
	2/5/2004	586.12 B	585.20 B	7	11.50	581.2	6.70	0.32	7.02	578.45
	4/19/2004						np	np	4.38	580.82
	5/25/2004						np	np	3.68	581.52
	7/1/2004						4.10	0.35	4.45	581.04
	7/28/2004						4.44	0.48	4.92	580.68
	8/26/2004						4.79	0.62	5.41	580.31
	9/27/2004						5.11	0.75	5.86	579.97
	11/5/2004						5.86	0.15	6.01	579.32
	12/28/2004						6.15	0.23	6.38	579.01
	1/26/2005						np	np	5.43	579.77
	3/17/2005						np	np	4.25	580.95
	4/4/2005						np	np	4.22	580.98
	4/28/2005						np	np	4.36	580.84
	5/23/2005						np	np	5.30	579.90
	7/11/2005						np	np	4.72	580.48
	8/1/2005						np	np	4.42	580.78
	9/29/2005						np	np	4.56	580.64
	10/28/2005						5.02	0.02	5.04	580.18
<b>BS-3</b>	4/29/2003	586.75	586.17	7	11.50	582.2	7.29	1.24	8.53	578.68
	5/13/2003						6.55	1.82	8.37	579.33
	6/4/2003						6.52	1.80	8.32	579.36
	11/24/2003						Broken and buried			
	2/5/2004	585.94 B	585.14 B	7	11.50	581.1	6.60	0.72	7.32	578.42
	4/19/2004						4.19	1.50	5.69	580.71
	5/25/2004						3.35	2.13	5.48	581.45
	7/1/2004						3.94	1.05	4.99	581.03
	7/28/2004						4.18	1.84	6.02	580.67
	8/26/2004						4.43	2.60	7.03	580.29
	9/27/2004						4.93	2.08	7.01	579.88
	11/5/2004						5.87	1.97	6.94	579.10
	12/28/2004						6.70	0.72	7.42	578.32
	1/26/2005						5.67	0.46	6.13	579.40
	3/17/2005						4.51	1.04	5.55	580.46
	4/4/2005						4.59	0.72	5.31	580.43
	4/28/2005						4.74	2.15	6.89	580.06
	5/23/2005						5.95	0.88	6.83	579.05
	7/11/2005						5.08	1.74	6.82	579.78
	8/1/2005						4.78	1.43	6.21	580.13
	9/29/2005						5.05	0.58	5.63	580.00
	10/28/2005						5.46	1.24	6.70	579.48
<b>BS-4</b>	4/29/2003	586.47	585.77	7	11.50	581.8	6.91	1.88	8.79	578.56
	5/13/2003						6.10	2.30	8.40	579.30

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	6/4/2003	585.77 B	585.20 B	7	11.50	581.2	6.18	2.27	8.45	579.23
	11/24/2003						6.76	1.87	8.63	578.71
	2/5/2004						6.58	1.57	8.15	578.37
	4/19/2004						4.69	2.02	6.71	580.19
	5/25/2004						nm	nm	nm	nm
	7/1/2004						3.75	2.90	6.65	580.99
	7/28/2004						4.25	1.57	5.82	580.70
	8/26/2004						4.45	2.44	6.89	580.36
	9/27/2004						4.92	2.79	7.71	579.83
	11/5/2004						6.01	0.64	6.65	579.09
	12/28/2004						np	np	6.59	578.61
	1/26/2005						np	np	5.58	579.62
	3/17/2005						np	np	4.26	580.94
	4/4/2005						np	np	4.31	580.89
	4/28/2005						np	np	4.67	580.53
	5/23/2005						np	np	5.88	579.32
	7/11/2005						np	np	5.06	580.14
8/1/2005	np	np	4.77	580.43						
9/29/2005	nm	nm	nm	nm						
10/4/2005	np	np	5.15	580.05						
10/28/2005	np	np	5.41	579.79						
BS-5	4/29/2003	586.27	585.69	7	11.50	581.7	7.04	0.47	7.51	578.57
	5/13/2003	586.14 B	585.56 B	7	11.50	581.6	np	np	6.30	579.39
	6/4/2003						6.43	0.08	6.51	579.25
	11/24/2003						np	np	6.86	578.83
	2/5/2004						np	np	7.13	578.43
	4/19/2004						np	np	5.12	580.44
	5/25/2004						np	np	3.84	581.72
	7/1/2004						np	np	4.43	581.13
	7/28/2004						np	np	4.80	580.76
	8/26/2004						np	np	5.15	580.41
	9/27/2004						np	np	5.99	579.57
	11/5/2004						np	np	6.45	579.11
	12/28/2004						np	np	6.87	578.69
	1/26/2005						np	np	6.00	579.56
	3/17/2005						np	np	4.66	580.90
	4/4/2005						np	np	4.82	580.74
	4/28/2005						np	np	5.05	580.51
5/23/2005	np						np	6.30	579.26	
7/11/2005	np	np	5.34	580.22						
8/1/2005	np	np	5.06	580.50						
9/29/2005	np	np	5.29	580.27						
10/28/2005	np	np	5.70	579.86						
BS-6	4/29/2003	586.52	586.01	7	11.50	582.0	7.54	0.45	7.99	578.40
	5/13/2003	586.36 B	585.89 B	7	11.50	581.9	6.67	0.05	6.72	579.33
	6/4/2003						6.91	0.39	7.30	579.04
	11/24/2003						np	np	7.19	578.82
	2/5/2004						np	np	7.48	578.41
	4/19/2004						np	np	5.19	580.70
	5/25/2004						np	np	4.05	581.84
	7/1/2004						4.74	0.01	4.75	581.15
	7/28/2004						np	np	5.16	580.73
	8/26/2004						np	np	5.50	580.39
	9/27/2004						np	np	5.95	579.94
	11/5/2004						np	np	6.85	579.04
	12/28/2004						np	np	7.22	578.67
	1/26/2005						np	np	6.21	579.68
	3/17/2005						np	np	4.94	580.95
	4/4/2005						np	np	5.11	580.78
	4/28/2005						np	np	5.38	580.51
5/23/2005	np						np	6.74	579.15	
7/11/2005	np	np	5.68	580.21						
8/1/2005	np	np	5.43	580.46						
9/29/2005	np	np	5.62	580.27						
10/28/2005	np	np	6.02	579.87						
BS-7	4/29/2003	586.27	585.47	7	11.50	581.5	6.95	0.98	7.93	578.36
	5/13/2003	586.15 B	585.34 B	7	11.50	581.3	6.00	1.11	7.11	579.29
	6/4/2003						6.27	1.22	7.49	579.00
	11/24/2003						np	np	6.63	578.84
	2/5/2004						np	np	7.13	578.21
	4/19/2004						np	np	4.79	580.55
	5/25/2004						np	np	3.48	581.86
	7/1/2004						np	np	4.20	581.14
	7/28/2004						np	np	4.61	580.73
	8/26/2004						np	np	4.94	580.40
9/27/2004	np						np	5.79	579.55	

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	11/5/2004						np	np	6.32	579.02
	12/28/2004						np	np	6.64	578.70
	1/26/2005						np	np	5.65	579.69
	3/17/2005						np	np	4.39	580.95
	4/4/2005						np	np	4.55	580.79
	4/28/2005						np	np	4.83	580.51
	5/23/2005						np	np	6.15	579.19
	7/11/2005						np	np	5.11	580.23
	8/1/2005						np	np	4.84	580.50
	9/29/2005						np	np	5.03	580.31
	10/28/2005						5.44	0.01	5.45	579.90
<b>BS-8</b>	4/29/2003	586.56	586.23	7	11.50	582.2	7.79	0.96	8.75	578.29
	5/13/2003						6.83	1.39	8.22	579.18
	6/4/2003						7.08	1.38	8.46	578.93
	11/24/2003						7.28	0.19	7.47	578.92
	2/5/2004	586.01 B	585.34 B	7	11.50	581.3	7.00	0.16	7.16	578.31
	4/19/2004						np	np	5.10	580.24
	5/25/2004						Unable to Access, Well Surrounded by Sheet Metal			
	7/1/2004						np	np	4.21	581.13
	7/28/2004						4.65	0.05	4.70	580.68
	8/26/2004						4.98	0.02	5.00	580.36
	9/27/2004						5.44	0.25	5.69	579.86
	11/5/2004						6.35	0.02	6.37	578.99
	12/28/2004						np	np	6.83	578.51
	1/26/2005						5.88	0.02	5.90	579.46
	3/17/2005						4.56	0.02	4.58	580.78
	4/4/2005						np	np	4.72	580.62
	4/28/2005						5.02	0.01	5.03	580.32
	5/23/2005						6.28	0.01	6.29	579.06
	7/11/2005						np	np	5.29	580.05
	8/1/2005						np	np	4.99	580.35
9/29/2005						np	np	5.19	580.15	
10/28/2005						5.66	0.01	5.67	579.68	
<b>BS-9*</b>	4/29/2003	*	*	7	11.50	*	*	*	*	*
							Monitoring Well Abandoned			
<b>BS-10</b>	4/29/2003	586.24	585.67	7	11.50	581.7	6.11	0.19	6.30	579.53
	5/13/2003						5.89	0.08	5.97	579.77
	6/4/2003						5.90	0.09	5.99	579.76
							Monitoring Well Abandoned			
<b>BS-11</b>	4/29/2003	586.33	585.50	7	11.50	581.5	6.80	1.01	7.81	578.54
	5/13/2003						6.09	0.93	7.02	579.26
	6/4/2003						6.13	0.93	7.06	579.22
							Monitoring Well Abandoned			
<b>BS-12</b>	4/29/2003	586.47	585.80	7	11.50	581.8	7.05	1.09	8.14	578.58
	5/13/2003						6.05	0.88	6.93	579.61
	6/4/2003						6.38	0.94	7.32	579.27
	9/4/2003						Monitoring Well Abandoned			
<b>BS-13</b>	4/29/2003	586.59	585.96	7	11.50	582.0	7.36	0.02	7.38	578.60
	5/13/2003						np	np	6.21	579.75
	6/4/2003						np	np	6.67	579.29
	9/5/2003						Monitoring Well Abandoned			
<b>BS-14</b>	4/29/2003	586.46	586.05	7	11.50	582.1	7.66	0.88	8.54	578.25
	5/13/2003						6.68	0.99	7.67	579.21
	6/4/2003						6.93	1.48	8.41	578.88
	9/5/2003						Monitoring Well Abandoned			
<b>BS-15</b>	4/29/2003	586.29	585.59	7	11.50	581.6	6.65	0.10	6.75	578.92
	5/13/2003						6.15	0.01	6.16	579.44
	6/4/2003						6.11	0.02	6.13	579.48
							Monitoring Well Abandoned			
<b>BS-16</b>	4/29/2003	586.30	585.55	7	11.50	581.6	np	np	6.23	579.32
	5/13/2003						np	np	4.60	580.95
	6/4/2003						np	np	A	A
							Monitoring Well Abandoned			
<b>BS-17</b>	4/29/2003	586.04	585.38	7	11.50	581.4	np	np	4.88	580.50
	5/13/2003						np	np	3.75	581.63
	6/4/2003						np	np	3.89	581.49
	11/3/2003						Monitoring Well Abandoned			
<b>BS-18</b>	4/29/2003	586.07	585.49	7	11.50	581.5	np	np	2.90	582.59
	5/13/2003						np	np	2.76	582.73
	6/4/2003						np	np	2.70	582.79
	11/3/2003						Monitoring Well Abandoned			
<b>BS-19</b>	4/29/2003	586.21	585.46	7	11.50	581.5	np	np	6.19	579.27
	5/13/2003						np	np	4.51	580.95
	6/4/2003						np	np	5.15	580.31
	11/3/2003						Monitoring Well Abandoned			
<b>BS-20</b>	4/29/2003	586.37	585.77	7	11.50	581.8	np	np	6.14	579.63

**Table 6 - Summary of Groundwater and Free Product Measurement Data**

Site Closure

We Energies Valley Power Plant, Milwaukee, Wisconsin

Feature	Date	Ground Surface Elevation (feet)	TOC Elevation (feet)	Well Screen Length (feet)	Total Well Depth from TOC (feet)	Top of Screen Elevation (feet)	Depth to Free Product from TOC (feet)	Free Product Thickness (feet)	Depth to Water from TOC (feet)	Corrected Groundwater Elevation (feet, NGVD)
	5/13/2003** 6/4/2003 10/21/2003						** np	** np	** 5.94	** <b>579.83</b>
	Monitoring Well Abandoned									
<b>BS-21</b>	4/29/2003 5/13/2003 6/4/2003 10/21/2003	586.34	585.77	7	11.50	581.8	np np 6.63	np np <u>0.14</u>	7.43 6.53 6.77	<b>578.34</b> <b>579.24</b> 579.12
	Monitoring Well Abandoned									
<b>BS-22</b>	4/29/2003 5/13/2003 6/4/2003	586.17	585.45	7	11.50	581.5	7.15 6.18 6.44	<u>0.65</u> <u>0.66</u> <u>1.21</u>	7.80 6.84 7.65	578.20 579.16 578.82
	Monitoring Well Abandoned									
<b>BS-23</b>	4/29/2003 5/13/2003 6/4/2003	586.09	585.64	7	11.50	581.6	np np np	np np np	5.00 4.83 4.74	<b>580.64</b> <b>580.81</b> <b>580.90</b>
	Monitoring Well Abandoned									
<b>BS-24</b>	4/29/2003 5/13/2003 6/4/2003	585.88	584.91	7	11.50	580.9	np 3.25 np	np <u>0.02</u> np	Dry 3.27 Dry	Dry (3.80) 581.66 Dry (3.80)
	Monitoring Well Abandoned									
<b>BS-25</b>	4/29/2003 5/13/2003 6/4/2003	585.90	585.20	7	11.50	581.2	np np np	np np np	4.12 3.61 A	<b>581.08</b> <b>581.59</b> A
	Monitoring Well Abandoned									
<b>BS-26</b>	4/29/2003 5/13/2003 6/4/2003	586.02	585.53	7	11.50	581.5	np np np	np np np	5.57 7.56 5.32	<b>579.96</b> <b>577.97</b> <b>580.21</b>
	Monitoring Well Abandoned									
<b>BS-27</b>	4/29/2003 5/13/2003 6/4/2003 9/11/2003	586.66	586.12	7	11.50	582.1	np np np	np np np	Dry Dry Dry <sup>x</sup>	Dry (3.50) Dry (3.50) Dry (3.50)
	Monitoring Well Abandoned									
<b>BS-28</b>	4/29/2003 5/13/2003 6/4/2003 9/11/2003	585.93	585.43	7	11.50	581.4	np 4.75 5.32	np <u>0.02</u> <u>0.06</u>	6.59 4.77 5.38	<b>578.84</b> 580.68 580.10
	Monitoring Well Abandoned									
<b>BS-29</b>	4/29/2003 5/13/2003 6/4/2003 9/11/2003	586.07	585.65	7	11.50	581.7	np np np	np np np	Dry Dry Dry	Dry (4.25) Dry (4.25) Dry (4.25)
	Monitoring Well Abandoned									
<b>BS-30*</b>	4/29/2003	*	*	7	11.50	*	*	*	*	*
	Monitoring Well Abandoned									

**Notes:**

- 1) Product thicknesses are underlined.
- 2) Water levels not depressed by free product are in **bold**.
- 3) Wells surveyed by North Shore Engineering, using the corner of nearby Township and Range sections on 7/10/03.
- 4) TOC: Top of PVC Casing.
- 5) Equation for corrected groundwater elevations depressed by product:  

$$\text{Top of PVC elevation} - (\text{Depth to water from TOC} + (\text{Free product thickness} * 0.84))$$

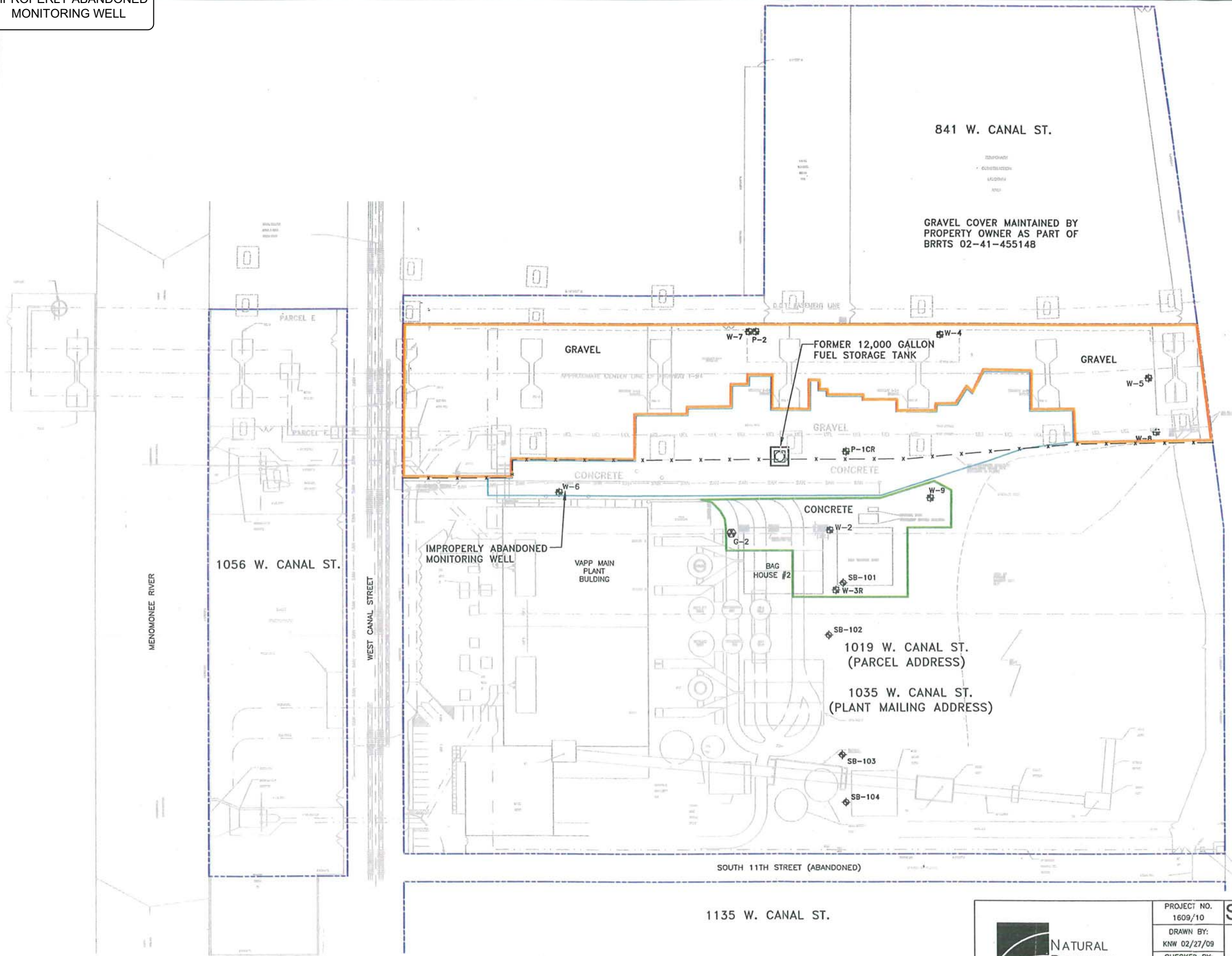
$$0.84 = \text{density of diesel oils (g/ml)}$$
- 6) Initial well surveys (W-1 through W-6 & P-1C) were completed by STS Consultants Ltd.
  - \*: Well destroyed or not located at time of survey.
  - np: Free product thickness non-existent or too thin to be measured by probe.
  - \*\*\*: On 5/13/2003, water was pooled in the vicinity of the well and it could not be located.
  - A: Water from the surface had pooled over the well and drained into the well casing.
  - x: Well was severely damaged, flush mount cover broken and flush mount deformed.
  - Dry (0.00): Well was dry, discrepancy of measured well depth from recorded well depth is in parentheses.
  - na: Not available for measurement, buried by on site activities or other reason.
  - B: Wells surveyed 3/3/04 by North Shore Engineering (benchmark - corner of nearby Township/Range sections).
  - NGVD: National Geodetic Vertical Datum



IMPROPERLY ABANDONED MONITORING WELL

LEGEND	
	MONITORING WELL FOR BRRTS #02-41-001055
	PIEZOMETER
	SOIL BORING (NRT)
	GEOPROBE BORING (STS)
	PROPERTY BOUNDARY
	LIMITS OF EXCAVATION FOR BRRTS #02-41-001055
	LIMITS OF GRAVEL COVER INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
	LIMITS OF CONCRETE/BUILDING CAP AREA INCLUDED IN BRRTS 02-41-001055 MAINTENANCE PLAN
	FENCE LOCATION (APPROXIMATE)

NOTE:  
 1. ALL MONITORING WELLS WERE PROPERLY ABANDONED ON 10/22/09 WITH THE EXCEPTION OF W-6, WHICH COULD NOT BE LOCATED.



SOURCE NOTE:  
 1. THIS DRAWING WAS DEVELOPED FROM A DRAWING BY STS CONSULTANTS LTD., STS PROJECT NUMBER 8458WF, CADFILE G522.DWG AND G523.DWG, XREF=XSEXSTBS, XSXTRSYS, DRAWINGS DATED 2-5-99, DRAWING: "EAST YARD EQUIPMENT & UNDERGROUND LAYOUT" BY WISCONSIN ELECTRIC, NUMBER VPP031508002909 REV. 03, WISCONSIN ELECTRIC POWER COMPANY DRAWING: "YARD LINES UNDERGROUND SH.1" BY STONE & WEBSTER ENGINEERING, BOSTON, MASS., NUMBER 11312-FB-2A REV. 13, WE ENERGIES DRAWING: "PLANT DISCHARGE RE-ROUTE", SHEET 07 REV. 1, DATED 6-19-03, AND WE ENERGIES DRAWING: "8" SANITARY RELOCATION", SHEET 08 REV. 01, DATED 9-5-03. LOCATIONS FOR SB-101, SB-102, SB-103 AND SB-104 BASED ON NRT FIELD VERIFICATION.  
 2. BASED ON SCHEMATIC PROVIDED BY MIKE CHRISTIANSON (WE ENERGIES) ON 6-1-06, UNDERGROUND ELECTRICAL LINES WERE RELOCATED 15 FEET WEST OF STS CONSULTANTS DRAWING DATED 2-5-99.

	PROJECT NO. 1609/10	<b>SITE VICINITY MAP AND CAP EXTENT</b> SITE CLOSURE VALLEY POWER PLANT WE ENERGIES MILWAUKEE, WISCONSIN
	DRAWN BY: KNW 02/27/09	
	CHECKED BY: RJG 02/25/09	DRAWING NO: 1609-10-B01C
	APPROVED BY: JAZ 11/16/09	REFERENCE:

**IMPROPERLY ABANDONED MONITORING WELL**

Department of Natural Resources

Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Haz. Waste
- Underground Tanks
- Water Resources
- Other:

**SOIL BORING LOG INFORMATION**

Form 4400-122

7-91

84586WA

*Improperly Abandoned Monitoring Well* Page 1 of 1

Facility/Project Name <i>Wisconsin Electric Power Co-Valley Power Plant</i>			License/Permit/Monitoring Number		Boring Number <i>W-6</i>
Boring Drilled By (Firm name and name of crew chief) <i>Wisconsin Soil Testing T. Lang</i>			Date Drilling Started <i>05/11/95</i>	Date Drilling Completed <i>05/11/95</i>	Drilling Method <i>Hollow Stem Auger</i>
DNR Facility Well No.	WI Unique Well No.	Common Well Name <i>W-6</i>	Water Level <i>7.0 Feet</i>	Surface Elevation <i>586.0 Feet MSL</i>	Borehole Diameter <i>8 inches</i>
Boring Location State Plane <i>NW 1/4 of NW 1/4 of Section 32, T 7 N, R 22 E</i>			Grid of Origin Lat Long	Local Grid Location (if applicable) <i>214 Feet N      6 Feet E</i>	

County <i>Milwaukee County</i>	DNR County Code <i>41</i>	Civil Town/City/ or Village <i>Milwaukee, Wisconsin</i>
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Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plastic Limit	P 200		
				Concrete and rebar											
1	13	12	2.5	Base coarse				<1	3.0						
1A	5	12													
2	17	49	5	Fill: Silty clay, little to some fine to coarse sand-brown-moist-very dense Note: Trace coal at 3.5 feet.	CL			<1	2.5						
3	2	36	7.5	Fill: Silty clay, some brick fragments and wood debris-reddish brown-wet-dense	CL			<1	3.0						
4	7	6	10	Organic silt, trace peat-brown-wet-soft				1.0	0.40						
5	7	6	12.5	Note: Trace shell fragments at 11.0 feet. Note: 2" silt seam at 11.5 feet.	OL			<1	0.30						
6	0	8	15	END OF BORING				<1							
			17.5	Boring advanced to 15.0 feet by hollow stem auger.											
			20	Groundwater monitoring well installed to 14.5 feet on 5-11-95.											
			22.5												
			25												
			27.5												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Donna M. Jelle* Firm *STB Consultants, Ltd.*

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.



April 7, 2009  
(1609)

**Via Certified Mail**

Mr. Jeffrey S. Polenske, City Engineer  
City of Milwaukee Department of Public Works  
Infrastructure Services Division  
Zeidler Municipal Building, Room 701  
841 North Broadway  
Milwaukee, WI 53202

RE: Notification of Residual Soil Contamination Within the Right of Way  
Interstate-94/43 Originating from 1035 West Canal Street (Parcel address 1019 W. Canal St.)  
We Energies Valley Power Plant, Diesel Fuel Release  
City of Milwaukee, Wisconsin  
BRRTS # 02-41-001055  
FID # 241007800

Dear Mr. Polenske:

On behalf of We Energies, Natural Resource Technology, Inc. (NRT) is providing this notification of residual soil contamination originating from 1035 West Canal Street (Parcel address 1019 W. Canal St.), City of Milwaukee, Wisconsin within the right-of-way (ROW) for Interstate-94 (I-94). The interchange passes over the eastern edge of the Valley Power Plant (VAPP) property and the adjoining We Energies property (841 W. Canal St.) located east of the VAPP property (Figures 1 and 2), which is an easement to the Wisconsin Department of Transportation (WisDOT). We Energies has remediated the soil and groundwater contamination to the extent practicable, such that the residual contamination and planned land use controls are acceptable for the current and future land use. Therefore, case closure is being requested by We Energies.

Contamination remaining in soil is related to a diesel fuel release, which was discovered in 1994 during construction of Unit No. 2 Bag House. Also, contaminants are present in the historic fill below the surface on the site. The historic fill consists of foundry sand, coal, cinders, and other miscellaneous wood/metal debris. Contaminants of concern for the site include diesel range organics (DRO), benzene and other petroleum volatile organic compounds (PVOCs), naphthalene and other polynuclear aromatic hydrocarbons (PAHs), and arsenic as shown on Figure 5 and/or listed in Table 2. Table 2 compares the residual soil concentrations to the Wisconsin Administrative Code (WAC) NR 720 and NR 746 soil standards. The most recent groundwater analytical results from August 2008 indicate that PVOC and PAH concentrations do not exceed WAC NR 140 preventive action limits (PALs) within the WisDOT easement area.

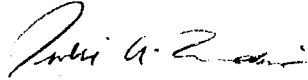
The WisDOT easement area will include a land use control consisting of a gravel cover to serve as a direct contact barrier for human health protection, as shown on Figure 2. We Energies will be responsible for inspecting and maintaining the gravel cover according to the Cap Maintenance Plan submitted with the case closure request, to be located on-line at the Wisconsin Department of Natural Resources (WDNR) GIS Registry of closed sites with residual contamination. The City should notify We Energies sufficiently ahead of time if work will be conducted in this area that would involve disturbing the gravel cover and soil beneath the gravel cover.

Mr. Jeffrey S. Polenske  
April 7, 2009  
Page 2

We Energies also issued notification to the Wisconsin Department of Transportation. Please contact the undersigned at 262.523.9000 if you have questions regarding this information.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Julie A. Zimdars, PE  
Senior Engineer

Attachments: Figure 1 - Site Location Map  
Figure 2 - Site Vicinity Map and Cap Extent  
Figure 5 - Post-Remedial Soil Conditions  
Table 2 - Post-Remedial Soil Analytical Results (Contaminants of Concern)

Cc: Mr. Trent Kohl-A231 (We Energies with attachments)

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April 7, 2009  
(1609)

**Via E-Mail**

Ms. Shar Te Beest  
Wisconsin Department of Transportation (WisDOT)  
[sharlene.tebeest@dot.state.wi.us](mailto:sharlene.tebeest@dot.state.wi.us)

RE: Notification of Residual Soil Contamination Within the Right of Way  
Interstate-94/43 Originating from 1035 West Canal Street (Parcel address 1019 W. Canal St.)  
We Energies Valley Power Plant, Diesel Fuel Release  
City of Milwaukee, Wisconsin  
BRRTS # 02-41-001055  
FID # 241007800

Dear Ms. Beest:

On behalf of We Energies, Natural Resource Technology, Inc. (NRT) is providing this notification of residual soil contamination originating from 1035 West Canal Street (Parcel address 1019 W. Canal St.), City of Milwaukee, Wisconsin within the right-of-way (ROW) for Interstate-94 (I-94). The interchange passes over the eastern edge of the Valley Power Plant (VAPP) property and the adjoining We Energies property (841 W. Canal St.) located east of the VAPP property (Figures 1 and 2), which is an easement to the Wisconsin Department of Transportation (WisDOT). We Energies has remediated the soil and groundwater contamination to the extent practicable, such that the residual contamination and planned land use controls are acceptable for the current and future land use. Therefore, case closure is being requested by We Energies.

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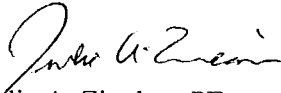
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Ms. Shar Te Beest  
April 7, 2009  
Page 2

We Energies also issued notification to the City of Milwaukee Department of Public Works Infrastructure Services Division. Please contact the undersigned at 262.523.9000 if you have questions regarding this information.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Julie A. Zimdars, PE  
Senior Engineer

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Figure 2 - Site Vicinity Map and Cap Extent  
Figure 5 - Post-Remedial Soil Conditions  
Table 2 - Post-Remedial Soil Analytical Results (Contaminants of Concern)

Cc: Mr. Trent Kohl-A231 (We Energies with attachments)

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