

SUBMIT AS UNBOUND PACKAGE IN THE ORDER SHOWN

Notice: Pursuant to ch. 292, Wis. Stats., and chs. NR 726 and 746, Wis. Adm. Code, this form is required to be completed for case closure requests. The closure of a case means that the Department of Natural Resources (DNR) has determined that no further response is required at that time based on the information that has been submitted to the DNR. All sections of this form must be completed unless otherwise directed by the Department. DNR will consider your request administratively complete when the form and all sections are completed, all attachments are included, and the applicable fees required under ch. NR 749, Wis. Adm. Code, are included, and sent to the proper destinations. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31 - 19.39, Wis. Stats.). Incomplete forms will be considered "administratively incomplete" and processing of the request will stop until required information is provided.

Site Information

BRRTS No. 02-30-576938	VPLE No. Not Applicable
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Parcel ID No. 92-4-122-164-0011

FID No. 230006260	WTM Coordinates	
	X 692043	Y 231522

BRRTS Activity (Site) Name We Energies Pleasant Prairie Power Plant	WTM Coordinates Represent:		
	X Source Area	Parcel Center	

Site Address 8000 95 th Street	City Pleasant Prairie	State WI	ZIP Code 53158
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Acres Ready For Use: 403.29

Responsible Party (RP) Name
John Delwiche, Senior Environmental Engineer

Company Name
We Energies

Mailing Address 333 Everett Street, A231	City Milwaukee	State WI	ZIP Code 53203
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Phone Number 414-221-2219	Email john.delwiche@we-energies.com
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Check here if the RP is the owner of the source property.

Environmental Consultant Name
James Bannantine

Consulting Firm
Geosyntec Consultants

Mailing Address 10600 North Port Washington Road, Suite 100	City Mequon	State WI	ZIP Code 53092
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Phone Number 414.339-5630	Email jbannantine@geosyntec.com
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Fees and Mailing of Closure Request

1. Send a copy of page one of this form and the applicable ch. NR 749, Wis. Adm. Code, fee(s) to the DNR Regional EPA (Environmental Program Associate) at <http://dnr.wi.gov/topic/Brownfields/Contact.html#tabx3>. Check all fees that apply:

\$1,050 Closure Fee

\$300 Database Fee for Soil

\$350 Database Fee for Groundwater or Monitoring Wells (Not Abandoned)

Total Amount of Payment \$ 1,350

Resubmittal, Fees Previously Paid

2. **Send one paper copy and one e-copy on compact disk of the entire closure package** to the Regional Project Manager assigned to your site. Submit as unbound, separate, documents in the order and with the titles prescribed by this form. For electronic document submittal requirements, see <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

Site Summary

If any portion of the Site Summary Section is not relevant to the case closure request, you must fully explain the reasons why in the relevant section of the form. All information submitted shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

- A. Site Location: Describe the physical location of the site, both generally and specific to its immediate surroundings.

The Pleasant Prairie Power Plant (PPPP) is an approximate 403.29-acre power plant facility located at the northeast corner of 88th Avenue and 95th Street in Pleasant Prairie, Wisconsin. The PPPP is located in the northeast ¼ of the northwest ¼ of Section 21, Township 1 north, Range 22 east in Kenosha, County. The area of the release (the Site) is located east of the Main Service Building.

- B. Prior and current site usage: Specifically describe the current and historic occupancy and types of use.

According to aerial photography viewed on the Kenosha County website (<http://kc-web-01.kenoshacounty.org/interactivemapping>), the PPPP was first constructed between 1975 and 1980, and the diesel fuel AST appeared to be installed as part of the original power plant construction. Prior to that time the property appeared to be undeveloped land used for agricultural purposes.

- C. Current zoning (e.g., industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).

According to information obtained by We Energies from the Village of Pleasant Prairie, the Site is zoned M4 (power generation district) and C1 (lowland conservation district). Verification of zoning is provided in **Attachment F.3**.

- D. Describe how and when site contamination was discovered.

Contamination was discovered during abandonment of a 500,000-gallon diesel fuel aboveground storage tank (AST) and associated transmission piping. Two soil samples collected from beneath transmission piping systems that ran north-south between the access road and the boilers in the main building (identified as "Area C" on the January 21, 2016 *Tank Closure System Site Assessment Report*) contained naphthalene concentrations above the WDNR NR 720 groundwater protection residual contaminant level (RCL) and the WDNR non-industrial direct contact RCL; and trimethylbenzenes at one of these locations was detected at concentrations above the WDNR groundwater protection RCL. The release was reported to the WDNR on March 18, 2016.

- E. Describe the type(s) and source(s) or suspected source(s) of contamination.

The type of contamination appears to be diesel fuel associated with the transmission piping associated with the diesel fuel AST.

- F. Other relevant site description information (or enter Not Applicable).

Not Applicable

- G. List BRRTS activity/site name and number for BRRTS activities at this source property, including closed cases.

There are no other BRRTS cases associated with the Site. The other BRRTS activities associated with the PPPP are listed below:

12 Activities found searching for: FID equals 230006260				
Displaying Records 1 through 12 Grouped by Location - Sorted by Type, Status, Start Date				
Activity Number & Name (Click to view details) Address	Type - Status	Start End	Juris	County
02-30-001149 WEPCO POWER PLT 8000 95TH ST, PLEASANT PRAIRIE	CLOSED ERP	1995-05-12 1996-01-02	DNR	KENOSHA
02-30-527479 WI ELECTRIC POWER PLEASANT PRAIRIE STN 8000 95TH ST, PLEASANT PRAIRIE	OPEN ERP	2004-04-01	DNR	KENOSHA
02-30-576938 PLEASANT PRAIRIE POWER PLANT 8000 95TH ST, PLEASANT PRAIRIE	OPEN ERP	2016-03-18	DNR	KENOSHA
03-30-210485 WEPCO PLEASANT PRAIRIE POWER PLT 8000 95TH ST, PLEASANT PRAIRIE	CLOSED LUST	1998-12-29 2012-07-03	DNR	KENOSHA
03-30-216807 WEPCO LOCOMOTIVE REFUELING AREA 8000 95TH ST, PLEASANT PRAIRIE	CLOSED LUST	1999-02-17 1999-04-13	DNR	KENOSHA
04-30-252435 WEPCO PLEASANT PRAIRIE POWER PLT 8000 95TH ST, PLEASANT PRAIRIE	CLOSED SPILL	1999-08-22 2000-01-05	DNR	KENOSHA
04-30-553671 AMERICAN TRANSMISSION SPILL 8000 95TH ST, PLEASANT PRAIRIE	CLOSED SPILL	2009-02-24 2009-05-26	DNR	KENOSHA
04-30-568565 WE ENERGIES SPILL 8000 95TH ST, PLEASANT PRAIRIE	CLOSED SPILL	2009-06-19 2009-08-18	DNR	KENOSHA
04-30-554120 WE ENERGIES SPILL 8000 95TH ST, PLEASANT PRAIRIE	CLOSED SPILL	2009-06-19 2009-09-11	DNR	KENOSHA
04-30-557188 WE ENERGIES SPILL 8000 95TH ST, PLEASANT PRAIRIE	CLOSED SPILL	2011-02-02 2011-06-06	DNR	KENOSHA
04-30-040173 POWER PLT - 8000 95TH ST [HISTORIC SPILL] 8000 95TH ST, PLEASANT PRAIRIE	HISTORIC SPILL	1985-02-27	DNR	KENOSHA
04-30-044863 8000 95TH ST [HISTORIC SPILL] 8000 95TH ST, PLEASANT PRAIRIE	HISTORIC SPILL	1990-06-30	DNR	KENOSHA

Only two cases are currently open, the case described in this document, and a case involving sulfate in groundwater. According to We Energies personnel, none of the other reported cases at the property were located within proximity to the area of the release.

- H. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to (abutting) this source property.

Adjacent BRRTS sites to the PPPP property are as follows:

North: None

East: SuperValu Pleasant Prairie Distribution Center (BRRTS# 02-30-559714), Pleasant Prairie Water Supply Reservoir (BRRTS# 02-30-547654) (both Closed Site-Completed Cleanups)

West: None

Southwest: Eastman Resins Inc. (BRRTS# 02-30-520529)(Closed ERP site)

South: Nucon, Co. (BRRTS# 03-30-287070) (Closed Site-Completed Cleanup)

All of the neighboring property environmental cases are closed, and therefore do not appear to represent a threat to environmental quality at the Site.

A RR Sites Map for the site vicinity is included as **Figure B.1.c. in Attachment B.**

2. General Site Conditions

A. Soil/Geology

- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.

Soils at the Site consist of gravel basecourse material below the surface pavement, underlain by 16 to 19 feet of fill material consisting predominantly of silty sand, silty clay, and limestone gravel. The fill material is generally underlain by silty sand to sandy silt to the maximum depth explored (20 feet below ground surface [ft bgs]).

- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.

Fill material was encountered in all five soil borings and the three shallow soil gas probes. As described above, the fill material consists predominantly of silty sand, silty clay and gravel. Some brick fragments were identified at approximately 8 to 9 ft bgs.

- iii. Describe the depth to bedrock, bedrock type, competency and whether or not it was encountered during the investigation.

Bedrock was not encountered to a depth of 20 ft bgs (the deepest depth explored) during the investigation. Based on the Depth to Bedrock map published in the Ecological Landscapes of Wisconsin (WDNR 2011), the bedrock in the vicinity of the Site is Silurian age dolomite that is likely greater than 100 ft bgs.

- iv. Describe the nature and locations of current surface cover(s) across the site (e.g., natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).

The Site is covered with asphalt pavement.

B. Groundwater

- i. Discuss depth to groundwater and piezometric elevations. Describe and explain depth variations, including high and low water table elevation and whether free product affects measurement of water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

The depth to groundwater was not measured because no permanent groundwater monitoring wells were installed at this Site. Based on moisture content observations during drilling, the depth to groundwater was estimated to be approximately 13 ft bgs.

- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

Groundwater flow direction was not evaluated at the Site. Based on an evaluation of local topography, groundwater flow is likely to the southwest, toward Lake Andrea which is located approximately ¼ mile southwest of the Site.

- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

Groundwater flow characteristics were not obtained because no groundwater impact was identified for the Site.

- iv. Identify and describe locations/distance of potable and/or municipal wells within 1200 feet of the site. Include general summary of well construction (geology, depth of casing, depth of screened or open interval).

There are no known potable or municipal wells within 1,200 feet of the Site.

3. Site Investigation Summary

A. General

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C.1, if not previously provided.

Diesel AST Transmission Piping Site Assessment Sampling Summary

We Energies installed a 20,000-gallon diesel fuel AST to provide diesel fuel to the plant's emergency diesel generators. This AST was installed to replace a 500,000 gallon AST and associated piping. The 500,000-gallon AST was removed in January 2015. LF Green Development, LLC (LF Green) was contracted to provide closure assessment sampling services associated with the AST and associated transmission piping systems.

LF Green divided the AST system at the Site into three areas, Area A, Area B and Area C (**Figure B.1.b** in Attachment B). Area A consisted of the 500,000-gallon AST and the transmission piping between the AST and the pumphouse, and the transmission piping leading east from the AST to a truck off-load rack. Area B consisted of transmission piping that ran west from the pumphouse, and Area C consisted of transmission piping that ran from the westernmost terminus of the transmission piping in Area B north to the boiler house.

A total of 53 soil samples were collected during the transmission piping closure site assessment (19 soil samples from Area A, 23 soil samples from Area B and 11 soil samples from Area C). All of the soil samples were submitted for laboratory analysis of petroleum volatile organic compounds (PVOCs) plus naphthalene¹. In addition, three of the samples from Area B (soil samples PL-20, PL-21 and PL-22, located just west of the pumphouse) were submitted for laboratory analysis of Resource Conservation and Recovery Act (RCRA) metals and polynuclear aromatic hydrocarbons (PAHs) for disposal profiling purposes.

Naphthalene was detected at two soil sample locations in Area C (PL-4 and PL-5 at concentrations exceeding the WDNR groundwater protection RCL, and the WDNR non-industrial direct contact RCL. In addition, trimethylbenzenes at PL-5 also exceeded the WDNR groundwater protection RCL. Arsenic was detected in all three soil samples (PL-20, PL-21 and PL-22) at concentrations ranging from 7.9 to 9.3 milligrams per kilogram (mg/kg), generally consistent with the background threshold value (BTV) for arsenic, and are believed to be representative of naturally occurring background conditions at the Site. No other RCRA metals and no PAHs were detected at concentrations exceeding their respective WDNR RCLs or BTVs.

Site Investigation Summary

The Site investigation was completed to define the extent of naphthalene and trimethylbenzenes in two soil samples [PL-4 and PL-5 (3 to 4 ft bgs) exceeding WDNR RCLs in Area C] collected during the tank closure site assessment.

The Site investigation consisted of the installation of 5 soil borings (B-1 through B-5) advanced to depths of 20 ft bgs, and the installation of 3 shallow soil gas probes to define the extent of impacts around PL-4 and PL-5. Soil samples were collected continuously from the Geoprobe[®] using a 5-foot sampler, and classified by a geologist in accordance with the Unified Soil Classification System. Two soil samples were submitted from each soil boring (one shallow soil sample from within the direct contact zone of 0 to 4 ft bgs, and a deeper soil sample [12 to 13 ft bgs] from the estimated soil-groundwater interface) for laboratory analysis of PVOCs.

Temporary wells were installed in each of the five soil borings for groundwater sample collection. The temporary wells consisted of a ten-foot section of 0.10-inch slotted polyvinyl chloride (PVC) pipe attached to solid Schedule 40 PVC riser pipe extended to the ground surface. Groundwater samples were collected from each of the five temporary wells using low-flow methods in accordance with ch. NR 140, Wis. Adm. Code and the WDNR *Groundwater Sampling Field Manual* (WDNR PUBL-DG-038-96). The groundwater samples collected from each temporary well were submitted to a Wisconsin-certified analytical laboratory for analysis of PVOCs.

After the groundwater samples were collected, the temporary wells were removed, and the soil borings were abandoned in accordance with WDNR ch. NR 141 requirements. The boreholes were abandoned with granular bentonite and an asphalt patch at the ground surface.

Soil-gas sampling was performed at three locations (VP6, VP7 and VP8, Figure B.4.a) between the area of the detected PVOC compounds and the nearby buildings. Temporary soil-gas collection wells were installed to a depth of approximately 5 ft bgs using slotted 0.10-inch PVC pipe. A vacuum pump was attached to the borehole at ground surface to purge the borehole. Subsequent to the purging process, a soil gas sample was collected

¹ In this document, PVOCs refer to PVOCs plus naphthalene

into a dedicated Tedlar® bag and analyzed with a Photo ionization detector (PID).

After the soil gas sampling was completed, the soil gas probes were removed from the ground and the boreholes were abandoned with granular bentonite and an asphalt patch at the ground surface.

The Site investigation laboratory results indicated that naphthalene; 1,2,4-trimethylbenzene; and/or 1,3,5-trimethylbenzene were detected in all ten Site investigation soil samples submitted for laboratory analysis; however, none of these compounds exceeded WDNR RCLs. No other PVOCs were detected in any of the Site Investigation soil samples at concentrations exceeding the laboratory method detection limits. PVOCs were not detected in any of the groundwater samples.

The soil gas sampling results indicated that PID readings from the three shallow soil gas probes ranged from 0.8 to 1.6 instrument units (i.u.). Soil-gas samples were not collected for laboratory analysis for the following reasons:

- Limited area of impacted soils.
- No PVOCs detected in groundwater.
- Distance of impacted soils from buildings.
- Nature of buildings (large, doors frequently open, significant air exchange).
- Low PID readings from soil-gas samples.

- ii. Identify whether contamination extends beyond the source property boundary, and if so describe the media affected (e.g., soil, groundwater, vapors and/or sediment, etc.), and the vertical and horizontal extent of impacts.

The PVOC-impacted soils at the Site are located completely within the PPPP property owned by We Energies.

- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.

No structural impediments were encountered during completion of the project.

B. Soil

- i. Describe degree and extent of soil contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways.

The source of Site shallow soil PVOC impact appears to be from north-south piping transmission lines associated with the removed diesel transmission piping in Area C. The transmission line piping in Area C (probable source) has been removed. Soil samples PL-4 and PL-5 (3 to 4 ft bgs) contained naphthalene and PL-5 also contained trimethylbenzenes at concentrations exceeding the WDNR groundwater protection RCL. However, the depth to groundwater is approximately 13 ft bgs, and none of the soil samples collected from the soil-groundwater interface (12-13 ft bgs) contained PVOCs (including trimethylbenzenes) at concentrations exceeding the WDNR groundwater protection RCL. Furthermore, PVOCs were not detected in any of the groundwater samples at concentrations exceeding their respective method detection limits. Due to the limited extent of PVOCs in shallow soils that exceed the WDNR groundwater protection RCL, and the fact that none of these compounds were detected in groundwater; there do not appear to be any receptors or completed migration pathways associated with this release.

- ii. Describe the concentration(s) and types of soil contaminants found in the upper four feet of the soil column.

Soil samples PL-4 and PL-5 (3 to 4 ft bgs) contained naphthalene and trimethylbenzenes at concentrations exceeding the WDNR RCLs. Arsenic was detected in three soil samples from Area B (PL-20, PL-21 and PL-22; 3 to 4 ft bgs) at concentrations ranging from 7.9 to 9.3 mg/kg, generally consistent with background concentrations (the arsenic BTV is 8 mg/kg). No other soil samples collected during the tank closure site assessment or the Site investigation contained any compounds exceeding WDNR RCLs.

- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site. This includes a soil performance standard established in accordance with s. NR 720.08, a Residual Contaminant Level (RCL) established in accordance with s. NR 720.10 that is protective of groundwater quality, or an RCL established in accordance with s. NR 720.12 that is protective of human health from direct contact with contaminated soil. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/

information in Attachment C.

In accordance with NR 720.07(1)(b)(1), the soil cleanup standards were the RCLs established by WDNR for protection of soil and groundwater, available via the WDNR RCL spreadsheet (updated March 2017). The BTV established for arsenic was used as the soil cleanup standard in place of RCLs for that element.

C. Groundwater

- i. Describe degree and extent of groundwater contamination. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.

Five temporary wells were installed as part of the Site investigation, one central monitoring well in the immediate vicinity of PL-4 and PL-5 (the Site Assessment sample locations where naphthalene and trimethylbenzenes were detected in shallow soil samples at concentrations exceeding the WDNR groundwater pathway RCL), and the other four within 15 feet north, south, east and west from the central monitoring well. None of the 5 groundwater samples contained PVOCs at concentrations exceeding the laboratory method detection limits.

- ii. Describe the presence of free product at the site, including the thickness, depth, and locations. Identify the depth and location of the smear zone.

Free product was not encountered at the Site.

D. Vapor

- i. Describe how the vapor migration pathway was assessed, including locations where vapor, soil gas, or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

Three shallow soil vapor probes were installed at the Site. The vapor probes were installed between the presumed contaminant source and the nearest buildings to the source. Soil gas was collected into Tedlar® bags and analyzed using a PID. PID readings of the soil gas ranged from 0.8 to 1.6 i.u.

- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).

The WDNR vapor action levels for the Site are the Vapor Risk Screening Levels (VRSL) from the Wisconsin Vapor Quick Look-Up Table, based on May 2016 USEPA Regional Screening Level Tables (Large Commercial/Industrial). For the compounds detected in soil the VRSLs are as follows:

Compound	Sub-Slab Vapor Risk Screening Risk Level ($\mu\text{g}/\text{m}^3$)
Naphthalene	360
1,2,4-Trimethylbenzene	3,100
1,3,5-Trimethylbenzene	NS

NS = No standard established for this compound

The area of impacted soil was determined to be limited in volume and area, and was not located within 100 feet of any buildings. In addition, the release has not impacted shallow groundwater at the Site. Soil vapor probes installed between the area of the release and nearby buildings were installed, and the soil gas was evaluated with a PID. The PID results were low (0.8 to 1.6 i.u.), therefore, it was determined that there was no risk of vapor migration from the release, and no soil vapor samples were submitted for laboratory analysis.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

Surface water and sediment were not encountered during the tank closure assessment or the Site investigation. There are no surface water bodies or sediments within the vicinity of the release.

- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.

No surface water or sediment was encountered during completion of this project. There are no surface water bodies or sediments within the vicinity of the release.

4. Remedial Actions Implemented and Residual Levels at Closure

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

Remedial actions have not been completed for this Site. The existing conditions do not appear to represent a risk to human health and welfare, or to the environment. The source of the contamination (AST and associated transmission piping) has been removed from the Site. Naphthalene was detected at two locations (PL-4 and PL-5; 3 to 4 ft bgs) at concentrations exceeding the WDNR non-industrial direct contact RCL. Naphthalene and trimethylbenzenes exceed the WDNR groundwater protection RCL at these two locations; however, groundwater has not been impacted by the release. The asphalt pavement at the Site may be acting to divert surface water, thereby acting as a barrier and limiting downward migration of water through the soil impacts identified at 3 to 4 ft bgs to potentially impact the shallow groundwater table. There are no receptors or completed pathways in the vicinity of the Site. Therefore, the conditions for closure appear to be satisfied, and active remediation is not necessary to achieve case closure.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

There were no immediate or interim actions taken at the Site.

- C. Describe the *active* remedial actions taken at the source property, including: type of remedial system(s) used for each media affected; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

There have been no remedial actions taken at the Site.

- D. Describe the alternatives considered during the Green and Sustainable Remediation evaluation in accordance with NR 722.09 and any practices implemented as a result of the evaluation.

There have been no remedial actions taken at the Site.

- E. Describe the nature, degree and extent of residual contamination that will remain at the source property or on other affected properties after case closure.

Soil samples PL-4 and PL-5 (3 to 4 ft bgs) contained naphthalene at concentrations exceeding the WDNR non-industrial direct contact pathway RCL and the WDNR groundwater protection RCL; and the sample from PL-5 also contained trimethylbenzenes at concentrations exceeding the WDNR groundwater protection RCL. Arsenic was detected in three soil samples from Area B (PL-20; PL-21 and PL-22) at concentrations ranging from 7.9 to 9.3 mg/kg, generally consistent with background concentrations. The estimated volume of PVOC-impacted soil that exceeds the WDNR groundwater protection RCLs appears to be restricted to the area near where samples PL-4 and PL-5 were collected. This volume is likely less than 40 cubic yards.

- F. Describe the residual soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds RCLs established under s. NR 720.12, Wis. Adm. Code, for protection of human health from direct contact.

Soil samples PL-4 and PL-5 (3 to 4 ft bgs) contained naphthalene at concentrations exceeding the non-industrial direct contact pathway RCL. Three soil samples were collected for arsenic analysis from the area near the former diesel AST, and contained arsenic concentrations ranging from 7.9 to 9.3 mg/kg. The current WDNR BTV for arsenic is 8 mg/kg. The soil samples did not appear to be stained or impacted (they had the appearance of other soils observed at the Site). The arsenic concentrations in these soils appear to be consistent with naturally occurring background arsenic concentrations in soil in southeastern Wisconsin.

- G. Describe the residual soil contamination that is above the observed low water table that attains or exceeds the soil standard(s) for the groundwater pathway.

Soil samples PL-4 and PL-5 (3 to 4 ft bgs) contained naphthalene, and the sample from PL-5 also contained trimethylbenzenes at concentrations exceeding the WDNR groundwater protection RCL. Samples collected from soil borings in the vicinity of PL-4 and PL-5 (B1 through B5) at depths near the soil-groundwater interface (estimated at 13 ft bgs) did not contain PVOCs at concentrations exceeding the WDNR groundwater pathway RCLs. The estimated volume of impacted soil that exceeds the WDNR groundwater pathway RCLs appears to be restricted to the area near

where samples PL-4 and PL-5 were collected. This volume is likely less than 40 cubic yards.

- H. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

The soil samples within Area B that contain arsenic concentrations at or slightly above the BTV appear to be generally consistent with naturally occurring background arsenic soil concentrations; therefore, no cover or engineering control is proposed for these soils.

Soils at PL-4 and PL-5 contain naphthalene and total trimethylbenzenes at 3 to 4 ft bgs at concentrations exceeding the WDNR RCLs. However, soil samples collected from the approximate soil-groundwater interface (approximately 12 to 13 ft bgs), do not contain any PVOCs at concentrations exceeding the laboratory method detection limits.

The asphalt pavement at the Site may be acting to limit direct contact with these soils and to divert surface water, thereby acting as a barrier and limiting downward migration of water through the soil impacts identified at 3 to 4 ft bgs to potentially impact the shallow groundwater table. There are no receptors or completed pathways in the vicinity of the Site. Therefore, the conditions for closure appear to be satisfied with the existing pavement in place, and active remediation is not necessary to achieve case closure.

- I. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration (e.g., stable or receding groundwater plume).

There is no groundwater impact, so remediation is not warranted.

- J. Identify how all exposure pathways (soil, groundwater, vapor) were removed and/or adequately addressed by immediate, interim and/or remedial action(s).

The source of the release (aboveground storage tank and associated transmission piping) was removed from the Site. A small area of residual soil impact contains trimethylbenzenes at concentrations exceeding the groundwater protection RCL; however, groundwater has not been impacted by the release. The area of residually impacted soil resides beneath a paved area, which prevents direct contact with the impacted soil and may be limiting rainwater infiltration and the subsequent downward migration of impacts in the soil (3 to 4 ft bgs) down to the shallow water table at approximately 12 to 13 ft bgs.

- K. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.

No mechanical treatment systems were installed at the Site; therefore, there is no system hardware remaining at the Site.

- L. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

There are no identified WDNR PAL or ES exceedances in groundwater; therefore no exemptions are required.

M. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

No vapor intrusion levels were exceeded. Soil gas field sampling indicated very low PVOC concentrations at a distance of approximately 50 feet from the source of the release.

N. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

Not applicable. Neither surface water nor wetlands were encountered during this project.

5. Continuing Obligations: Situations where sites, including all affected properties and rights-of-way (ROWs), are included on the DNR's GIS Registry. In certain situations, maintenance plans are also required, and must be included in Attachment D.

Directions: For each of the 3 property types below, check all situations that apply to this closure request.

(NOTE: Monitoring wells to be transferred to another site are addressed in Attachment E.)

This situation applies to the following property or Right of Way (ROW):			Case Closure Situation -Continuing Obligation Inclusion on the GIS Registry is Required (ii. - xiv.)	Maintenance Plan Required	
Property Type:					
Source Property	Affected Property (Off-Source)	ROW			
i.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	None of the following situations apply to this case closure request.	NA
ii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual groundwater contamination exceeds ch. NR 140 ESs.	NA
iii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 RCLs.	NA
iv.				Monitoring Wells Remain:	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Not Abandoned (filled and sealed)	NA
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	• Continued Monitoring (requested or required)	Yes
v.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) direct contact pathways (includes vapor barriers)	Yes
vi.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cover/Barrier/Engineered Cover or Control for (soil) groundwater infiltration pathway	Yes
vii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment: impedes completion of investigation or remedial action (not as a performance standard cover)	NA
viii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination meets NR 720 industrial soil RCLs, land use is classified as industrial	NA
ix.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor Mitigation System (VMS) required due to exceedances of vapor risk screening levels or other health based concern	Yes
x.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Dewatering System needed for VMS to work effectively	Yes
xi.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Compounds of Concern in use: full vapor assessment could not be completed	NA
xii.	<input type="checkbox"/>	<input type="checkbox"/>	NA	Vapor: Commercial/industrial exposure assumptions used.	NA
xiii.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor: Residual volatile contamination poses future risk of vapor intrusion	NA
xiv.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Site-specific situation: (e. g., fencing, methane monitoring, other) (discuss with project manager before submitting the closure request)	Site specific

6. Underground Storage Tanks

- A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? ○ Yes x No
- B. Do any upgraded tanks meeting the requirements of ch. ATCP 93, Wis. Adm. Code, exist on the property? ○ Yes x No
- C. If the answer to question 6.B. is yes, is the leak detection system currently being monitored? ○ Yes xNo

General Instructions

All information shall be legible. Providing illegible information will result in a submittal being considered incomplete until corrected. For each attachment (A-G), provide a Table of Contents page, listing all 'applicable' and 'not applicable' items by Closure Form titles (e.g., A.1. Groundwater Analytical Table, A.2. Soil Analytical Results Table, etc.). If any item is 'not applicable' to the case closure request, you must fully explain the reasons why.

Data Tables (Attachment A)**Directions for Data Tables:**

- Use **bold** and italics font for information of importance on tables and figures. Use **bold** font for ch. NR 140, Wis. Adm. Code ES attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, PAL attainments or exceedances.
- Use **bold** font to identify individual ch. NR 720 Wis. Adm. Code RCL exceedances. Tables should also include the corresponding groundwater pathway and direct contact pathway RCLs for comparison purposes. Cumulative hazard index and cumulative cancer risk exceedances should also be tabulated and identified on Tables A.2 and A.3.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e., do not just list as no detect (ND)).
- Include the units on data tables.
- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15 (3)(c), Wis. Adm. Code, in the format required ins. NR 716.15(4)(e), Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Soil Analytical Results Table, etc.).
- For required documents, each table (e.g., A.1., A.2., etc.) should be a separate Portable Document Format (PDF).

A. Data Tables

- A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates for all groundwater sampling points (e.g., monitoring wells, temporary wells, sumps, extraction wells, potable wells) for which samples have been collected.

A summary of the groundwater analytical data collected for this Site is included on Table A.1 in **ATTACHMENT A.1.**

- .2. **Soil Analytical Results Table(s):** Table(s) showing **all** soil analytical results and collection dates. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated).

The Soil Analytical Results Tables are provided in **ATTACHMENT A.2.:**

- A.2.a Soil Analytical Results Table – Geosyntec Site Investigation Report
- A.2.b Soil Analytical Results Table – Area A from LF Green TSSA Report
- A.2.c Soil Analytical Results Table – Area B from LF Green TSSA Report
- A.2.d Soil Analytical Results Table – Area C from LF Green TSSA Report

- A.3. **Residual Soil Contamination Table(s):** Table(s) showing the analytical results of only the residual soil contamination at the time of closure. This table shall be a subset of table A.2 and should include only the soil sample locations that exceed an RCL. Indicate if sample was collected above or below the observed low water table (unsaturated versus saturated). Table A.3 is optional only if a total of fewer than 15 soil samples have been collected at the site.

There has been no remediation performed at the Site, and therefore **ATTACHMENT A.3** contains the same tables as Attachment A.2:

- A.3.a Residual Soil Contamination Table – Geosyntec Site Investigation Report
- A.3.b Residual Soil Contamination Table – Area A from LF Green TSSA Report
- A.3.c Residual Soil Contamination Table – Area B from LF Green TSSA Report
- A.3.d Residual Soil Contamination Table – Area C from LF Green TSSA Report

- A.4. **Vapor Analytical Table(s):** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.

The Vapor Analytical Table is provided in **ATTACHMENT A.4.:**

- A.4 Vapor Analytical Table

- A.5. **Other Media of Concern (e.g., sediment or surface water):** Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, and time period for sample collection.

Not applicable. No sediment or surface water samples were collected because no sediment or surface water was identified in the vicinity of the release. No other media of concern were identified for this Site.

- A.6. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.

There were no permanent groundwater monitoring wells located at the Site, and water level elevations were not collected from the temporary groundwater monitoring wells installed for this project. Based on the soil moisture content observed during drilling and the depth to water observed in the temporary groundwater monitoring wells, the depth to shallow groundwater is estimated to be approximately 12-13 ft bgs.

- A.7. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Not applicable. No samples were collected for natural attenuation, no remedial system was installed, and no other data relevant to case closure was collected.

Maps, Figures and Photos (Attachment B)

Directions for Maps, Figures and Photos:

- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11 x 17 inches, in a PDF readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(4), 726.09(2) and 726.11(3), (5) and (6), Wis. Adm. Code.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.) should be a separate PDF.
- Maps, figures and photos should be dated to reflect the most recent revision.

B.1. Location Maps

- B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a United States Geological Survey (U.S.G.S.) topographic map or plat map in sufficient detail to permit easy location of all affected and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.

The following location map is provided in ATTACHMENT B.1:

Figure B.1.a Location Map

- B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for all affected properties, 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 attaining or exceeding a ch. NR 140 ES, and/or in relation to the boundaries of soil contamination attaining or exceeding a RCL. Provide parcel identification numbers for all affected properties.

The following detailed site map is provided in ATTACHMENT B.1:

Figure B.1.b Detailed Site Map

- B.1.c. **RR Sites Map:** From RR Sites Map ([http://dnrmaps.wi.gov/si/?Viewer=RR Sites](http://dnrmaps.wi.gov/si/?Viewer=RR%20Sites)) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

The following RR Sites map is provided in ATTACHMENT B.1:

Figure B.1.c RR Sites Map

B.2. Soil Figures

B.2.a. **Soil Contamination:** Figure(s) showing the location of all identified unsaturated soil contamination. Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720.Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedances (0-4-foot depth).

The following soil contamination maps are provided in ATTACHMENT B.2.a:

Figure B.2.a.1: Soil Contamination – Arsenic

Figure B.2.a.2: Soil Contamination - PVOCs

B.2.b. **Residual Soil Contamination:** Figure(s) showing only the locations of soil samples where unsaturated soil contamination remains at the time of closure (locations represented in Table A.3). Use a single contour to show the horizontal extent of each area of contiguous soil contamination that exceeds a soil to groundwater pathway RCL as determined under ch. NR 720 Wis. Adm. Code. A separate contour line should be used to indicate the horizontal extent of each area of contiguous soil contamination that exceeds a direct contact RCL exceedance (0-4-foot depth).

The following residual contamination maps are provided in ATTACHMENT B.2.b:

Figure B.2.b.1: Residual Soil Contamination – Arsenic

Figure B.2.b.2: Residual Soil Contamination - PVOCs

Note that the figures in B.2.a and B.2.b are the same, as no soil remediation was performed at the Site.

B.3. Groundwater Figures

B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:

- Source location(s) and vertical extent of residual soil contamination exceeding an RCL. Distinguish between direct contact and the groundwater pathway RCLs.
- Source location(s) and lateral and vertical extent if groundwater contamination exceeds ch. NR 140 ES.
- Surface features, including buildings and basements, and show surface elevation changes.
- Any areas of active remediation within the cross section path, such as excavations or treatment zones.
- Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1.b.)

Not applicable. Only two soil sample locations exceeded the groundwater protection RCL, and both samples were collected at from 3 to 4 ft bgs. None of the soil samples collected from the soil-groundwater interface (12 to 13 ft bgs) contained PVOCs at concentrations exceeding their respective groundwater protection RCLs, and groundwater does not contain PVOCs at concentrations exceeding either the PAL or ES. Given the limited extent of soil impact, the lack of groundwater impact, and the fact that no remediation is warranted for the Site, preparation of a geologic cross section was not warranted.

B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, PAL and/or an ES. Indicate the date and direction of groundwater flow based on the most recent sampling data.

Not applicable. No groundwater impacts were identified at this Site.

B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.

Not applicable. Since no groundwater impacts were identified at this Site, the groundwater flow direction was not determined.

B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been abandoned.

Not applicable. Temporary monitoring wells were installed in soil borings B1 through B5 to obtain groundwater samples. The temporary wells were immediately removed and the boreholes abandoned after

the groundwater samples were collected.

B.4. Vapor Maps and Other Media

B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway in relation to residual soil and groundwater contamination, including sub-slab, indoor air, soil vapor, soil gas, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.

The following vapor intrusion map is provided in ATTACHMENT B.4.a:

Figure B.4.a: Vapor Intrusion Map

B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.

Not applicable, no media other than soil, groundwater and soil vapor was sampled.

B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank).

Not applicable.

B.5. **Structural Impediment Photos:** One or more photographs documenting the structural impediment feature(s) which precluded a complete site investigation or remediation at the time of the closure request. The photographs should document the area that could not be investigated or remediated due to a structural impediment. The structural impediment should be indicated on Figures B.2.a and B.2.b.

Not applicable. No structural impediments were encountered that precluded investigation or remediation.

Documentation of Remedial Action (Attachment C)

Directions for Documentation of Remedial Action:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc.).
- If the documentation requested below has already been submitted to the DNR, please note the title and date of the report for that particular document requested.

C.1. **Site investigation documentation**, that has not otherwise been submitted with the Site Investigation Report.

The following Site investigation documentation is included in C.1:

Soil boring information logs (WDNR Form 4400-122) for soil borings B1 through B5

Borehole abandonment forms (WDNR Form 3300-005) for soil borings B1 through B5

C.2. **Investigative waste** disposal documentation.

Not applicable. No soils were generated requiring off-site disposal. The total volume of water generated during the groundwater sample collection process was less than 2 gallons, and this water was discharged to the pavement and allowed to evaporate. Therefore, no investigation waste was generated that required disposal.

C.3. Provide a **description of the methodology** used along with all supporting documentation if the RCLs are different than those contained in the Department's RCL Spreadsheet available at:
<http://dnr.wi.gov/topjc/Brownfields/Professionals.html>

The RCLs utilized for this project are those referenced in the Department's RCL Spreadsheet, and the BTV for arsenic. No other methodology was utilized to develop RCLs.

C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified ins. NR 724.02(1), Wis. Adm. Code.

Not applicable. Remediation was not performed at the Site.

C.5. **Decommissioning of Remedial Systems.** Include plans to properly abandon any systems or equipment.

Not applicable. Remediation was not performed at the Site.

C.6. **Other.** Include any other relevant documentation not otherwise noted above (This section may remain blank).

Not applicable.

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Activity (Site) Name

Maintenance Plan(s) and Photographs (Attachment D)**Directions for Maintenance Plans and Photographs:**

Attach a maintenance plan for each affected property (source property, each off-source affected property) with continuing obligations requiring future maintenance (e.g., direct contact, groundwater protection, vapor intrusion). See Site Summary section 5 for all affected property(s) requiring a maintenance plan. Maintenance plan guidance and/or templates for: 1) Cover/barrier systems; 2) Vapor intrusion; and 3) Monitoring wells, can be found at: <http://dnr.wi.gov/topic/Brownfields/Professionals.html#tabx3>

D.1. Descriptions of maintenance action(s) required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required:

- Provide brief descriptions of the type, depth and location of residual contamination.

Provide a description of the system/cover/barrier/monitoring well(s) to be maintained.

- Provide a description of the maintenance actions required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- Provide contact information, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Two soil samples (PL-4 and PL-5) collected from 3 to 4 ft bgs contained naphthalene and trimethylbenzenes at concentrations exceeding the WDNR groundwater protection RCL. However, groundwater is not impacted at the Site. The limited amount of soil contamination, the depth to water (approximately 13 ft bgs) and the presence of paved ground surface (limiting downward infiltration of surface waters) likely account for the lack of groundwater impact at the Site. Since the paved surface at the Site is considered a factor in protecting groundwater from residual soil impact, the pavement must be maintained. A Cover Maintenance Plan for the paved surface at the Site is included in ATTACHMENT D.1.

D.2. Location map(s) which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance –on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) all property boundaries.

The following location map is provided in ATTACHMENT D.2:

Figure D.2: Cover System Area

D.3. Photographs for site or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system, include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features shall be visible and discernible. Photographs shall be submitted with a title related to the site name and location, and the date on which it was taken.

Photographs of the WDNR-approved cover to be inspected and maintained are included in ATTACHMENT D.3 of the Cover Maintenance Plan.

D.4. Inspection log, to be maintained on site, or at a location specified in the maintenance plan or approval letter. The inspection and maintenance log is found at: <http://dnr.wi.gov/files/PDF/forms/4400/4400-305.pdf>.

The Inspection Log to be used to document the inspection and maintenance of the WDNR-approved cover is included as ATTACHMENT D.4 of the Cover Maintenance Plan.

Monitoring Well Information (Attachment E)**Directions for Monitoring Well Information:**

For all wells that will remain in use, be transferred to another party, or that could not be located; attach monitoring well construction and development forms (DNR Form 4400-113 A and B: http://dnr.wi.gov/topic/groundwater/documents/forms/4400_113_1_2.pdf)

Select One:

- No monitoring wells were installed as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include a description of efforts made to locate the wells.
 - One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason

(s) the well(s) will remain in use. When one or more monitoring wells will remain in use this is considered a continuing obligation and a maintenance plan will be required and must be included in Attachment D.

- One or more monitoring wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s). Provide documentation from the party accepting future responsibility for monitoring well(s).

Source Legal Documents (Attachment F)

Directions for Source Legal Documents:

Label documents with the specific closure form titles (e.g., F.1. Deed, F.2. Certified Survey Map, etc.). Include all of the following documents in the order listed:

- F.1. **Deed:** The most recent deed with legal description clearly listed.

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.

The warranty deed for the Pleasant Prairie Power Plant is included in ATTACHMENT F.1. No other properties have been impacted by this release.

- F.2. **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. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.

A certified survey map does not appear to have been generated for the Site. The legal description for the Site is documented in the Kenosha County land record report included in ATTACHMENT F.2.

- F.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.

According to We Energies, Kenosha County zoning records indicate the Site is zoned C1 "lowland conservation district". Verification of zoning documentation is included in **ATTACHMENT F.3**.

- F.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties. This section applies to the source property only. Signed statements for Other Affected Properties should be included in Attachment G.

The Signed Statement is included in ATTACHMENT F.4.

Notifications to Owners of Affected Properties (Attachment G)**Directions for Notifications to Owners of Affected Properties:**

Complete the table on the following page for sites which require notification to owners of affected properties pursuant to ch. 292, Wis. Stats. and ch. NR 725 and 726, Wis. Adm. Code. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31- 19.39, Wis. Stats.]. The DNR's "Guidance on Case Closure and the Requirements for Managing Continuing Obligations" (PUB-RR-606) lists specific notification requirements <http://dnr.wi.gov/files/PDF/pubs/rr/RR606.pdf>.

State law requires that the responsible party provide a 30-day, written advance notification to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned. Use form 4400-286, Notification of Continuing Obligations and Residual Contamination, at <http://dnr.wi.gov/files/PDF/forms/4400/4400-286.pdf>

Include a copy of each notification sent and accompanying proof of delivery, i.e., return receipt or signature confirmation. (These items will not be placed on the GIS Registry.)

Include the following documents for each property, keeping each property's documents grouped together and labeled with the letter G and the corresponding ID number from the table on the following page. (Source Property documents should only be included in Attachment F):

Not applicable. There were no other properties impacted by this release.

- **Deed:** The most recent deed with legal descriptions clearly listed for all affected properties.
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. In cases where the certified survey map or recorded plat map are not legible or are unavailable, a copy of a parcel map from a county land information office may be substituted. A copy of a parcel map from a county land information office shall be legible, and the parcels identified in the legal description shall be clearly identified and labeled with the applicable parcel identification number.
- **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

BRRTSNo.

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Signatures and Findings for Closure

Check the correct box for this case closure request, and have either a professional engineer or a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code, sign this document.

A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies).

The response action(s) for this site addresses media other than groundwater.

Engineering Certification

I, _____ hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared by me or prepared under my supervision in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Printed Name

Title

Signature

Date

P.E. Stamp and Number

Hydrogeologist Certification

I, James E. Bannantine hereby certify that I am a hydrogeologist as that term is defined in. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared by me or prepared under my supervision and, in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

James E Bannantine

Printed Name

Senior Hydrogeologist

Title

James E Bannantine
Signature

8/17/2017

Date

ATTACHMENT A

Data Tables

- A.1 Groundwater Analytical Table(s)
- A.2 Soil Analytical Results Table(s)
- A.3 Residual Soil Contamination Table(s)
- A.4 Vapor Analytical Table(s)
- A.5 Other Media of Concern (e.g., sediment or
Surface water)
- A.6 Water Level Elevations
- A.7 Other

A.1

Groundwater Analytical Table(s)

Table A.1 Groundwater Analytical Table

**Table A.1
Groundwater Analytical Table
Pleasant Prairie Power Plant
8000 95th Street
Pleasant Prairie, Wisconsin**

Sample Identification			B1	B2	B3	B4	B5
Screen Depth (ft bgs)			10-20	9.5-19.5	8-18	8-18	8-18
Sample Date			10/12/2016	10/12/2016	10/12/2016	10/12/2016	10/12/2016
PVOCs plus Naphthalene (ug/l) Method EPA 8260	ES ¹ (ug/l)	PAL ² (ug/l)					
Benzene	5	0.5	<0.40	<0.40	<0.40	<0.40	<0.40
Ethylbenzene	700	140	<0.39	<0.39	<0.39	<0.39	<0.39
Methyl-tert-butyl ether	60	12	<0.48	<0.48	<0.48	<0.48	<0.48
Naphthalene	100	10	<0.42	<0.42	<0.42	<0.42	<0.42
Toluene	800	160	<0.39	<0.39	<0.39	<0.39	<0.39
1,2,4-Trimethylbenzene ³	480	96	<0.42	<0.42	<0.42	<0.42	<0.42
1,3,5-Trimethylbenzene ³			<0.42	<0.42	<0.42	<0.42	<0.42
Xylene (Total) ⁴	2,000	400	<1.2	<1.2	<1.2	<1.2	<1.2
m&p-Xylene ⁴	--	--	<0.80	<0.80	<0.80	<0.80	<0.80
o-Xylene ⁴	--	--	<0.45	<0.45	<0.45	<0.45	<0.45

Notes:

1. Wisconsin Administrative Code Chapter NR 140 Enforcement Standard.
 2. Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit.
 3. The ES and PAL for trimethylbenzene applies to the 1,2,4- and 1,3,5- isomers combined
 4. The ES and PAL for xylenes applies to the m-, p-, and o- isomers combined
- no NR 140 standard published
PVOCs - Petroleum Volatile Organic Compounds
ug/l - micrograms per Liter
ft bgs - feet below ground surface

A.2

Soil Analytical Results Table(s)

- Table A.2.a Soil Analytical Results Table
Geosyntec Site Investigation Report
- Table A.2.b Soil Analytical Results Table
Area A from LF Green TSSA Report
- Table A.2.c Soil Analytical Results Table
Area B from LF Green TSSA Report
- Table A.2.d Soil Analytical Results Table
Area C from LF Green TSSA Report

Table A.2.a
Soil Analytical Results Table
Geosyntec Site Investigation
Pleasant Prairie Power Plant
8000 95th Street
Pleasant Prairie, Wisconsin

Sample Identification				B1	B1	B2	B2	B-3	B3	B4	B4	B5	B5
Sample Depth (feet below ground surface)				2-3	12-13	3-4	12-13	3-4	12-13	3-4	12-13	3-4	12-13
Sample Date				10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016
Saturated/Unsaturated				Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
	Groundwater Protection RCL	Non-Industrial Direct Contact RCL	Industrial Direct Contact RCL										
Benzene (µg/kg)	5.1	1,600	7,070	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7	< 25.0
Ethylbenzene (µg/kg)	1,570	8,020	35,400	< 25.0	< 25.0	< 25.0	< 25.0	44.6J	< 25.0	< 41.7	< 80.6	69.0J	< 25.0
Methyl-tert-butyl ether (µg/kg)	27	63,800	282,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7	< 25.0
Naphthalene (µg/kg)	658.2	5,150	24,100	204	202	185	174	346	195	276	613	478	321
Toluene (µg/kg)	1,107	818,000	818,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7	< 25.0
1,2,4-Trimethylbenzene (µg/kg)	1,382	219,000	219,000	< 25.0	42.0J	40.7	65.4	172	51.7J	56.3J	142J	196	85.8
1,3,5-Trimethylbenzene (µg/kg)		182,000	182,000	79.4	105	33.5J	75.3	99.8	43.5J	48.9J	117J	169	95.0
m+p-Xylene (µg/kg)	3,960	260,000	260,000	55.5J	108	< 50	81.8J	123	58.5J	< 83.3	< 161	204	83.6J
o-Xylene (µg/kg)				< 25.0	35.8J	< 25.0	< 25.0	33.5J	< 25.0	< 41.7	< 80.6	62.4J	30.2J

Notes:

J = estimated concentration between limit of detection and limit of quantitation

µg/kg = micrograms per kilogram

Concentrations in italics exceed the WDNR groundwater protection RCL

Concentrations in bold exceed the WDNR non-industrial direct contact RCL

Concentrations in bold and boxed exceed the WDNR industrial direct contact RCL

RCL = WDNR Residual Contaminant Level based on U.S. EPA Regional Screening Level Web Calculator updated March 2017

U.S. EPA = United States Environmental Protection Agency

WDNR = Wisconsin Department of Natural Resources

Table 1 - P4 AST Soil Results

Area A

Analyte (ppm)	DEPTH	DATE	PL1-1 3-4' 1/26/15	PL1-2 3-4' 1/26/15	PL1-3 3-4' 1/26/15	PL1-4 3-4' 1/26/15	PL1-5 3-4' 1/26/15	PL2-1 3-4' 1/26/15	PL2-2 3-4' 1/26/15	PL2-3 3-4' 1/26/15	PL2-4 3-4' 1/26/15	PL3-1 3-4' 1/31/15	PL3-2 3-4' 7/7/15	PL3-3 3-4' 1/26/15	PL3-4 3-4' 1/26/15	PL3-5 3-4' 1/31/15	PL3-6 3-4' 1/31/15	PL3-7 3-4' 1/31/15	PL3-8 3-4' 1/26/15	PL3-9 3-4' 1/26/15	PL3-10 3-4' 1/31/15	
																						DC RCL
PVOC plus Naphthalene																						
Ethylbenzene			<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.03	<0.025	<0.03	<0.03	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.06
Naphthalene			0.15	0.11	<0.025	<0.026	0.20	0.44	0.04	0.14	0.02	0.04	0.12	0.317J	0.71	<0.086	0.03J	0.56	<0.025	<0.025	<0.025	0.56
Toluene			<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.03	<0.025	<0.025	<0.03	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.06J
1,2,4-Trimethylbenzene			0.33	<0.025	<0.025	<0.026	0.04J	<0.025	0.07	<0.025	<0.03	0.11	0.03J	<0.25	<0.25	<0.025	<0.025	0.34	<0.025	<0.025	<0.025	0.30
1,3,5-trimethylbenzene			0.03J	0.03J	<0.025	<0.026	0.09	<0.025	0.04J	<0.025	<0.03	0.09	0.04J	<0.25	<0.25	0.03J	<0.025	0.20	<0.025	<0.025	<0.025	0.20
Xylenes			<0.075	<0.075	<0.075	<0.08	<0.09	<0.075	<0.08	<0.075	<0.09	0.12J	<0.075	<0.75	<0.75	<0.075	<0.075	0.03	<0.075	<0.075	<0.075	0.21
Italics with highlight indicates result exceeds Industrial Direct Contact RCL																						
DC RCL = Direct Contact Residual Contaminant Levels																						
GW RCL = Groundwater Pathway Residual Contaminant Level																						
ppm - parts per million																						
Highlighted indicates result exceeds Groundwater RCL																						
NS : Not Sampled																						

Table A.2.b Soil Analytical Results Table from LF Green TSSA Report

All samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

Table 2
Pleasant Prairie Power Plant
Soil Sample Results

Samples Collected from Area B (Long Piping Run)

PL-4	PL-5	PL-6	PL-7	PL-8	PL-9	PL-10	PL-11	PL-12	PL-13	PL-14	PL-15	PL-16	PL-17	PL-18	PL-19	PL-20	PL-21	PL-22
3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15
<0.0371	<0.0371	<0.0412	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	<0.0446	<0.0344	<0.0463	<0.0399	<0.0355	<0.0463
0.1060	<0.0371	0.102J	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	0.0671J	<0.0344	0.1450	<0.0639	<0.0569	<0.0742
<0.0371	<0.0371	<0.0412	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	<0.0446	<0.0344	<0.0463	<0.0399	<0.0355	0.1340
<0.1141	<0.1141	<0.1236	<0.1174	<0.1308	<0.1148	<0.1051	<0.0987	<0.0962	<0.1240	<0.1293	<0.1209	<0.1372	<0.1339	<0.1132	<0.1379	<0.1197	<0.1065	<0.1389
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0130	0.0076	0.0097
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.3000	7.9000	6.4000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27.4000	26.0000	29.7000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15J	0.21J	0.16J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.9000	11.6000	11.9000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.5000	11.4000	11.9000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0087J	0.0090J	<0.0083
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0159J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0293
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0107J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0092J	0.0101J	0.0125J

Table A.2.c Soil Analytical Results Table from LF Green TSSA Report

All soil samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

Table 2
Pleasant Prairie Power Plant
Soil Sample Results

			Samples Collected from Area C (Boiler Building)													
Analyte (ppm)	Industrial Direct Contact	Groundwater Residual Contaminant Level	PL-1	PL-2	PL-3	PL-4	PL-5	PL-6	PL-7	PL-8	PL-9	PL-10	PL-11	PL-1	PL-2	PL-3
DEPTH			3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'
DATE			7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	8/4/15	8/4/15	8/4/15
PVOC																
Ethylbenzene	7.47	1.5700	<0.025	0.0621	0.0459J	<0.206	0.672J	0.452J	0.0841	<0.025	0.0417J	0.0741	<0.0258	<0.0347	<0.0371	<0.0399
Naphthalene	26.00	0.6582	0.1050	0.3020	0.3510	7.9600	18.3000	0.6410	0.5890	0.1180	0.0161	0.3950	0.1080	<0.0347	<0.0371	0.1470
1,2,4-Trimethylbenzene	89.90	0.1382	<0.025	<0.025	<0.025	0.9890	2.7400	0.0557	0.0542J	<0.025	<0.0258	0.1120	<0.0258	<0.0347	<0.0371	0.0472J
1,3,5-trimethylbenzene	182.00		<0.025	0.1030	0.0337J	0.297J	1.4900	0.0575	0.0444J	0.0437J	0.0321	0.1160	<0.0258	<0.0347	<0.0371	<0.0399
Xylenes	258.00	1.9700	<0.075	0.1041J	<0.075	<0.618	<1.910J	<0.075	<0.075	<0.075	<0.0772	0.1538J	<0.0772	<0.1141	<0.1141	<0.1197
RCRA Metals																
Mercury	3.13	0.1040	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Arsenic	0.61	0.5840	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	15300.00	164.8000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	70.00	0.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chromium	100000.00	360000.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	400.00	27.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAH																
Chrysene	211.00	0.11460	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1-Methylnaphthalene	53.10	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	2200.00	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	26.00	0.6582	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	No RCL	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Italics with highlight indicates result exceeds Industrial Direct Contact RCL																
ppm - parts per million																
Bold indicates result exceeds Groundwater RCL																
NS - Not Sampled																

Table A.2.d Soil Analytical Results Table from LF Green TSSA Report

All samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

A.3

Residual Soil Contamination Table(s)

- Table A.3.a Residual Soil Contamination Table
Geosyntec Site Investigation
- Table A.3.b Residual Soil Contamination Table
Area A from LF Green TSSA Report
- Table A.3.c Residual Soil Contamination Table
Area B from LF Green TSSA Report
- Table A.3.d Residual Soil Contamination Table
Area C from LF Green TSSA Report

Table A.3.a
Residual Soil Contamination Table
Geosyntec Site Investigation
Pleasant Prairie Power Plant
8000 95th Street
Pleasant Prairie, Wisconsin

Sample Identification				B1	B1	B2	B2	B-3	B3	B4	B4	B5	B5
Sample Depth (feet below ground surface)				2-3	12-13	3-4	12-13	3-4	12-13	3-4	12-13	3-4	12-13
Sample Date				10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016
Residual Contaminant Levels (RCLs) in				10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016	10/11/2016
Saturated/Unsaturated				Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated	Unsaturated
PVOCS plus Naphthalene (µg/kg)	Groundwater RCL	Non-Industrial Direct Contact RCL	Industrial Direct Contact RCL										
	Benzene	5.1	1,490	7,410	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7
Ethylbenzene	1,570	7,470	37,000	< 25.0	< 25.0	< 25.0	< 25.0	44.6J	< 25.0	< 41.7	< 80.6	69.0J	< 25.0
Methyl-tert-butyl ether	27	59,400	293,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7	< 25.0
Naphthalene	658.2	5,150	26,000	204	202	185	174	346	195	276	613	478	321
Toluene	1,107	818,000	818,000	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 25.0	< 41.7	< 80.6	< 34.7	< 25.0
1,2,4-Trimethylbenzene	1,382	89,800	219,000	< 25.0	42.0J	40.7	65.4	172	51.7J	56.3J	142J	196	85.8
1,3,5-Trimethylbenzene		182,000	182,000	79.4	105	33.5J	75.3	99.8	43.5J	48.9J	117J	169	95.0
m+p-Xylene	3,960	260,000	260,000	55.5J	108	< 50	81.8J	123	58.5J	< 83.3	< 161	204	83.6J
o-Xylene				< 25.0	35.8J	< 25.0	< 25.0	33.5J	< 25.0	< 41.7	< 80.6	62.4J	30.2J

Notes:

J = estimated concentration between limit of detection and limit of quantitation

Concentrations are in micrograms per kilogram (µg/kg)

Concentrations in italics exceed the WDNr groundwater pathway RCL

Concentrations in bold exceed the WDNr non-industrial direct contact RCL

Concentrations in bold and boxed exceed the WDNr industrial direct contact RCL

RCL = WDNr Residual Contaminant Level based on U.S. EPA Regional Screening Level Web Calculator updated June 2016

U.S. EPA = United States Environmental Protection Agency

WDNR - Wisconsin Department of Natural Resources

Table 1 - P4 AST Soil Results
Area A

Analyte (ppm)	DEPTH	DATE	PL1-1 3-4' 1/26/15	PL1-2 3-4' 1/26/15	PL1-3 3-4' 1/26/15	PL1-4 3-4' 1/26/15	PL1-5 3-4' 1/28/15	PL2-1 3-4' 1/28/15	PL2-2 3-4' 1/28/15	PL2-3 3-4' 1/28/15	PL2-4 3-4' 1/26/15	PL3-1 3-4' 1/31/15	PL3-2 3-4' 7/7/15	PL3-3 3-4' 1/28/15	PL3-4 3-4' 1/26/15	PL3-5 3-4' 1/31/15	PL3-6 3-4' 1/31/15	PL3-7 3-4' 1/31/15	PL3-8 3-4' 1/28/15	PL3-9 3-4' 1/26/15	PL3-10 3-4' 1/31/15	
																						DC RCL
PVOC plus Naphthalene																						
Ethylbenzene			<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.025	<0.025	<0.03	<0.03	<0.025	<0.25	<0.25	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.06
Naphthalene			0.15	0.11	<0.025	<0.026	0.20	0.44	0.27	0.14	0.02	0.04	0.12	0.317J	0.71	<0.086	0.03J	0.56	<0.025	<0.025	<0.025	0.56
Toluene			<0.025	<0.025	<0.025	<0.026	<0.025	<0.025	<0.03	<0.025	<0.025	<0.03	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.06J
1,2,4-Trimethylbenzene			0.33	<0.025	<0.025	<0.026	0.04J	<0.025	0.07	<0.025	<0.03	0.11	0.03J	<0.25	<0.25	<0.025	<0.025	0.34	<0.025	<0.025	<0.025	0.30
1,3,5-trimethylbenzene			0.03J	0.03J	<0.025	<0.026	0.09	<0.025	0.04J	<0.025	<0.03	0.09	0.04J	<0.25	<0.25	0.03J	<0.025	0.20	<0.025	<0.025	<0.025	0.20
Xylenes			<0.075	<0.075	<0.075	<0.08	<0.09	<0.075	<0.08	<0.075	<0.09	0.12J	<0.075	<0.75	<0.75	<0.075	<0.075	0.03	<0.075	<0.075	<0.075	0.21
Italics with highlight indicates result exceeds Industrial Direct Contact RCL																						
DC RCL = Direct Contact Residual Contaminant Levels																						
GW RCL = Groundwater Pathway Residual Contaminant Level																						
ppm - parts per million																						
Highlighted indicates result exceeds Groundwater RCL																						
NS : Not Sampled																						

Table A.3.b Soil Analytical Results Table from LF Green TSSA Report

All samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

Table 2
Pleasant Prairie Power Plant
Soil Sample Results

Samples Collected from Area B (Long Piping Run)

PL-4	PL-5	PL-6	PL-7	PL-8	PL-9	PL-10	PL-11	PL-12	PL-13	PL-14	PL-15	PL-16	PL-17	PL-18	PL-19	PL-20	PL-21	PL-22
3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15	3-4' 8/4/15
<0.0371	<0.0371	<0.0412	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	<0.0446	<0.0344	<0.0463	<0.0399	<0.0355	<0.0463
0.1060	<0.0371	0.102J	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	0.0671J	<0.0344	0.1450	<0.0639	<0.0569	<0.0742
<0.0371	<0.0371	<0.0412	<0.0395	<0.0436	<0.0383	<0.0350	<0.0329	<0.0321	<0.0417	<0.0431	<0.0403	<0.0457	<0.0446	<0.0344	<0.0463	<0.0399	<0.0355	0.1340
<0.1141	<0.1141	<0.1236	<0.1174	<0.1308	<0.1148	<0.1051	<0.0987	<0.0962	<0.1240	<0.1293	<0.1209	<0.1372	<0.1339	<0.1132	<0.1379	<0.1197	<0.1065	<0.1389
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0130	0.0076	0.0097
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.3000	7.9000	6.4000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	27.4000	26.0000	29.7000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.15J	0.21J	0.16J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.9000	11.6000	11.9000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	11.5000	11.4000	11.9000
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0087J	0.0090J	<0.0083
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0159J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0293
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.0089	<0.0089	0.0107J
NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.0092J	0.0101J	0.0125J

Table A.3.c Soil Analytical Results Table from LF Green TSSA Report

All samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

Table 2
Pleasant Prairie Power Plant
Soil Sample Results

		Samples Collected from Area C (Boiler Building)																
Analyte (ppm)		Industrial Direct Contact	Groundwater Residual Contaminant Level	PL-1	PL-2	PL-3	PL-4	PL-5	PL-6	PL-7	PL-8	PL-9	PL-10	PL-11	PL-1	PL-2	PL-3	
DEPTH				3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	3-4'	
DATE				7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	7/7/15	8/4/15	8/4/15	8/4/15	
PVOC																		
Ethylbenzene	7.47	1.5700	0.0621	<0.025	0.0621	0.0459J	<0.206	0.672J	0.452J	0.0841	<0.025	0.0417J	0.0741	<0.0258	<0.0347	<0.0371	<0.0399	
Naphthalene	26.00	0.6582	0.3020	0.1050	0.3020	0.3510	7.9600	18.3000	0.6410	0.5890	0.1180	0.0161	0.3950	0.1080	<0.0347	<0.0371	0.1470	
1,2,4-Trimethylbenzene	89.90	0.1382	<0.025	<0.025	<0.025	<0.025	0.9890	2.7400	0.0557	0.0542J	<0.025	<0.0258	0.1120	<0.0258	<0.0347	<0.0371	0.0472J	
1,3,5-trimethylbenzene	182.00		0.1030	<0.025	0.1030	0.0337J	0.297J	1.4900	0.0575	0.0444J	0.0437J	0.0321	0.1160	<0.0258	<0.0347	<0.0371	<0.0399	
Xylenes	258.00	1.9700	0.1041J	<0.075	0.1041J	<0.075	<0.618	<1.910J	<0.075	<0.075	<0.075	<0.0772	0.1538J	<0.0772	<0.1141	<0.1141	<0.1197	
RCRA Metals																		
Mercury	3.13	0.1040	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Arsenic	0.61	0.5840	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Barium	15300.00	164.8000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Cadmium	70.00	0.75	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Chromium	100000.00	360000.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Lead	400.00	27.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
PAH																		
Chrysene	211.00	0.11460	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
1-Methylnaphthalene	53.10	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
2-Methylnaphthalene	2200.00	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Naphthalene	26.00	0.6582	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Phenanthrene	No RCL	No RCL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Italics with highlight indicates result exceeds Industrial Direct Contact RCL																		
ppm - parts per million																		
Bold indicates result exceeds Groundwater RCL																		
NS - Not Sampled																		

Table A.3.d Soil Analytical Results Table from LF Green TSSA Report

All samples were collected from above the groundwater table and are considered to be unsaturated soil samples.

A.4

Vapor Analytical Table(s)

The vapor analytical table is presented in Attachment A.4.

Table A.4
Vapor Analytical Table
Pleasant Prairie Power Plant
8000 95th Street
Pleasant Prairie, Wisconsin

Sample Identification	VP6	VP7	VP8
Sample Date	10/12/2016	10/12/2016	10/12/2016
VOCs (PID Instrument Units)	0.8 to 1.4	1.0 to 1.6	0.8 to 1.4

Notes:

VOCs - Volatile Organic Compounds

PID - Photo ionization detector

Samples were collected into tedlar bags and analyzed in the field using a PID.

A.5

Other Media of Concern

Not applicable. No sediment or surface water samples were collected because no sediment or surface water was identified in the vicinity of the Site. No other media of concern were identified for this Site.

A.6

Water Level Elevations

There were no permanent groundwater monitoring wells installed at the Site, and water level elevations were not collected from the temporary groundwater monitoring wells installed for this project. Based on the soil moisture content observed during drilling, and the depth to water observed in the temporary groundwater monitoring wells, the depth to shallow groundwater is estimated to be approximately 13 ft bgs.

A.7

Other

Not applicable. No samples were collected for natural attenuation, no remedial system was installed, and no other data relevant to case closure was collected.

ATTACHMENT B

Maps, Figures and Photos

B.1 Location Maps

B.2 Soil Figures

B.3 Groundwater Figures

B.4 Vapor Maps and Other Media

B.5 Structural Impediment Photos

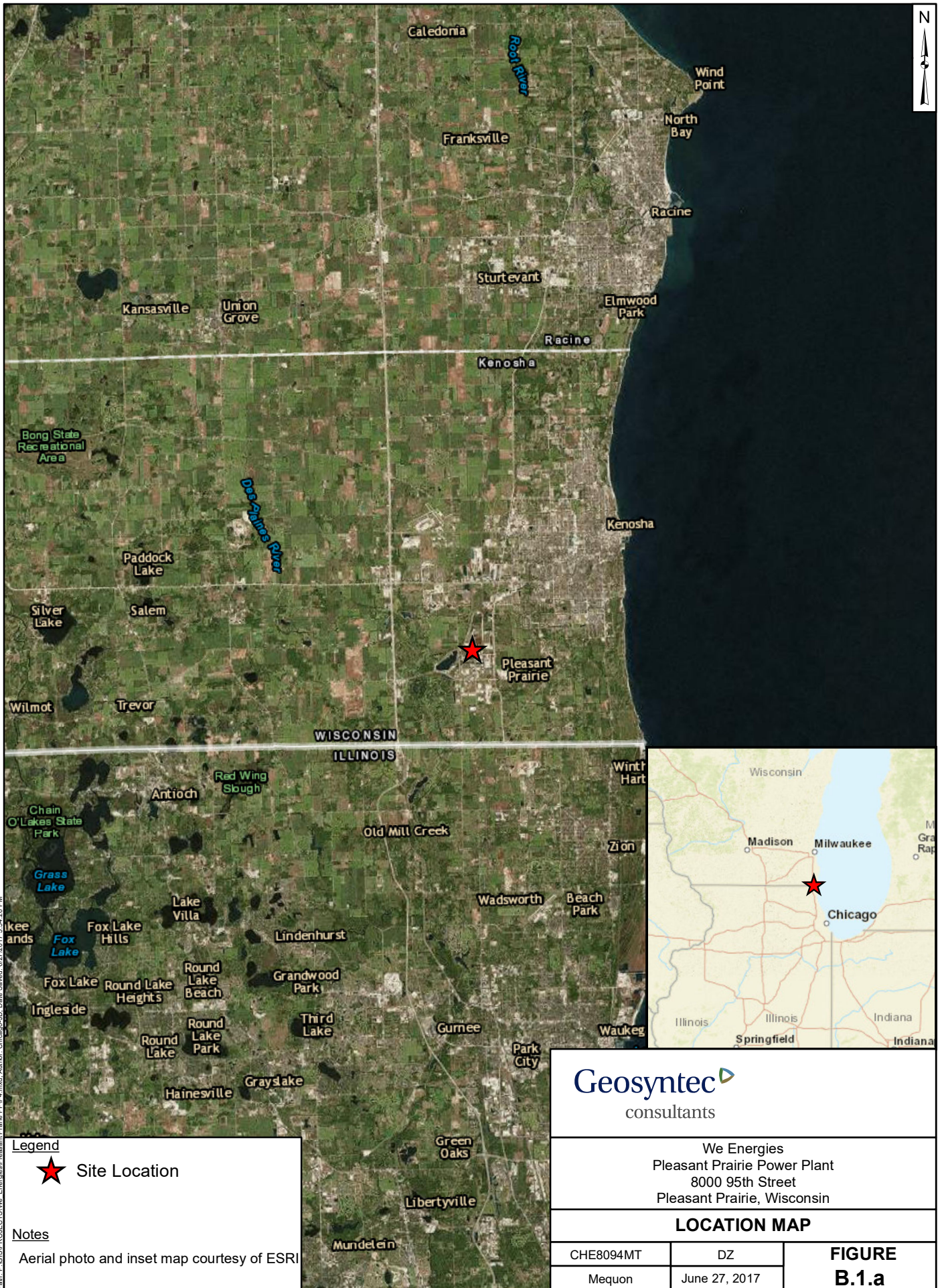
B.1

Location Maps

B.1.a Location Map

B.1.b Detailed Site Map

B.1.c RR Sites Map



Path: P:\GIS\PROJECTS\We_Energies\PleasantPrairie_PPP\4.mxd; Author: Chicago_ID; Date Saved: 6/27/2017 3:54:28 PM

Legend

Site Location

Notes

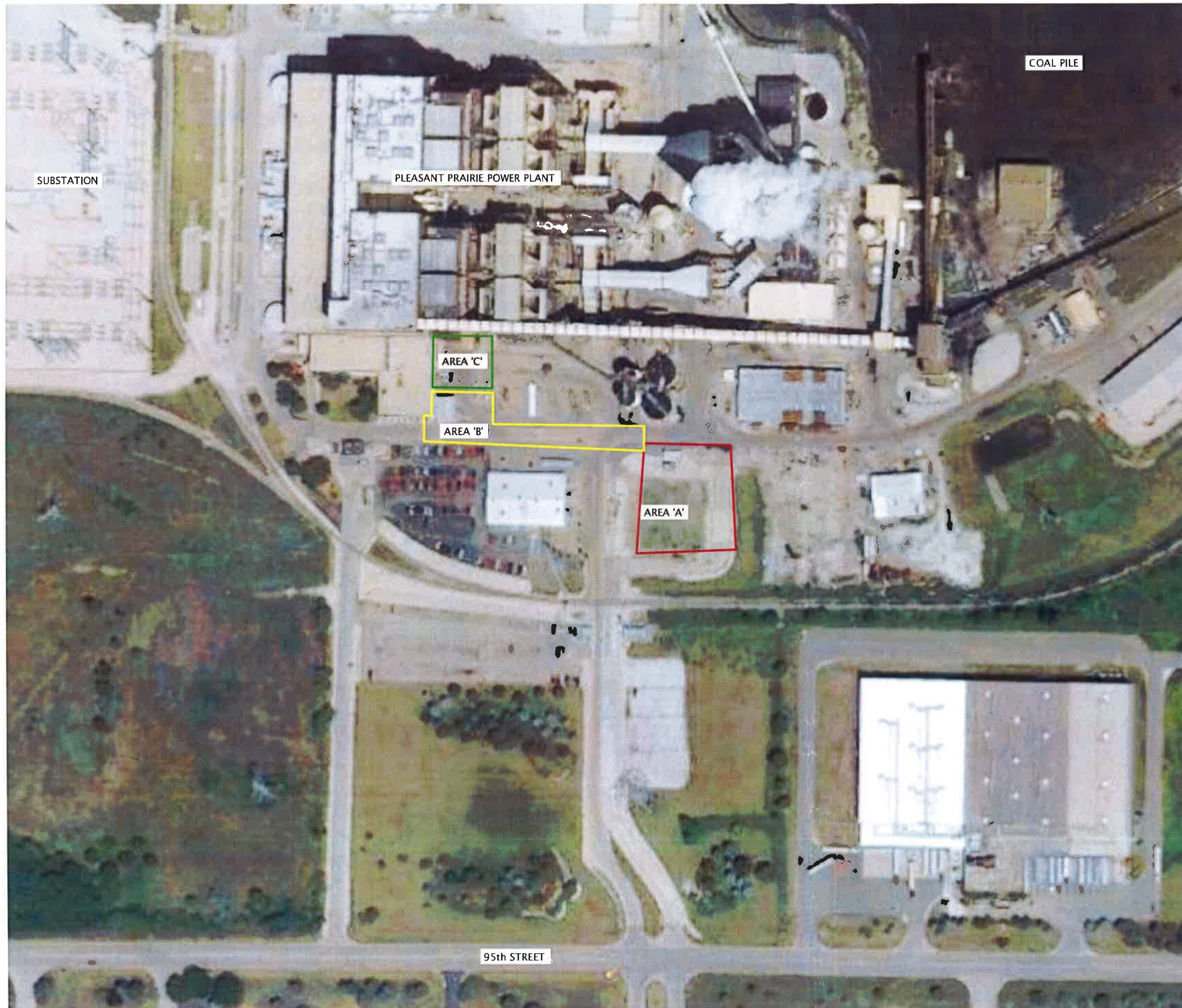
Aerial photo and inset map courtesy of ESRI

Geosyntec
consultants

We Energies
Pleasant Prairie Power Plant
8000 95th Street
Pleasant Prairie, Wisconsin

LOCATION MAP

CHE8094MT	DZ	FIGURE B.1.a
Mequon	June 27, 2017	

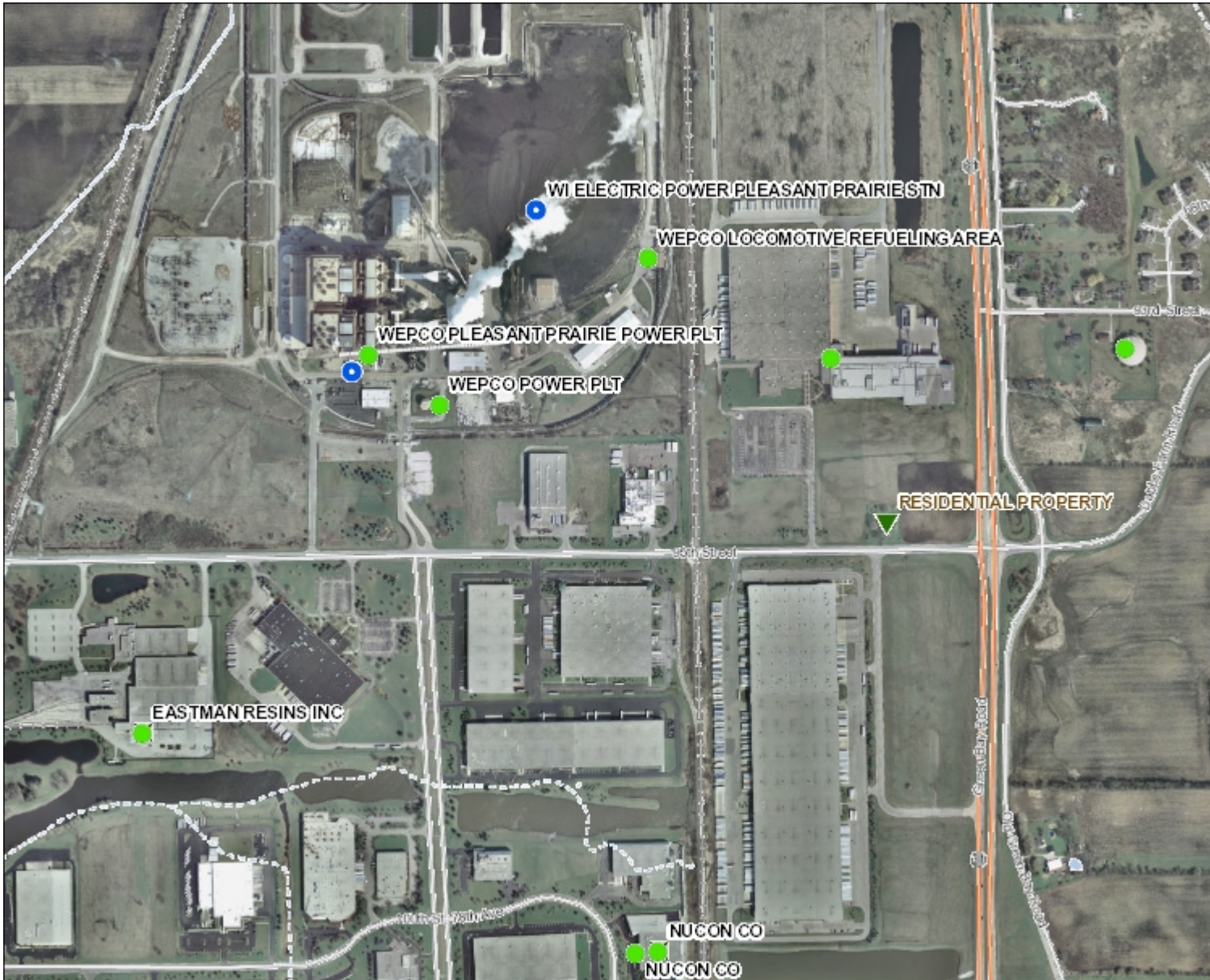


SOURCE: GOOGLE EARTH, JUNE 2016

Geosyntec consultants		
CLIENT:	WE ENERGIES	
PROJECT:	PLEASANT PRAIRIE POWER PLANT 8000 95th STREET PLEASANT PRAIRIE, WISCONSIN	
TITLE:	Detailed Site Map	
PROJECT: CHE8094MT	FIGURE NO.: B.2.a.1.	DRAWING NO.: B.1.b
DATE: November 23, 2016	FILE NO.: 1611 P4 01	



RR Sites Map



Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination from Another Property
- 📍 Dryclean Environmental Response Fund (DERF)
- 🌿 Green Space Grant (2004-2009)
- 📍 Ready for Reuse
- 📍 Site Assessment Grant (2001-2009)
- 📍 State Funded Response
- 📍 Sustainable Urban Development Zone (SUDZ)
- ▼ General Liability Clarification Letters
- ▼ Superfund NPL
- ▼ Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water
- Municipality
- State Boundaries
- County Boundaries
- Major Roads**
- Interstate Highway
- State Highway
- US Highway

0.3 0 0.16 0.3 Miles

NAD_1983_HARN_Wisconsin_TM

© Latitude Geographics Group Ltd.

1: 10,412



DISCLAIMER: The information shown on these maps has been obtained from various sources, and are of varying age, reliability and resolution. These maps are not intended to be used for navigation, nor are these maps an authoritative source of information about legal land ownership or public access. No warranty, expressed or implied, is made regarding accuracy, applicability for a particular use, completeness, or legality of the information depicted on this map. For more information, see the DNR Legal Notices web page: <http://dnr.wi.gov/org/legal/>

Note: Not all sites are mapped.

Notes

Pleasant Prairie Power Plant
Figure B.1.c
RR Sites Map

B.2

Soil Figures

B.2.a.1 Soil Contamination Map - Arsenic

B.2.a.2 Soil Contamination Map - PVOCs

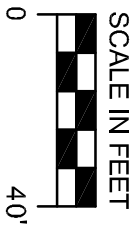
B.2.b.1 Residual Soil Contamination – Arsenic

B.2.b.2 Residual Soil Contamination – PVOCs

Note that figure B.2.a.1 is the same as B.2.b.1 and Figure B.2.a.2 is the same as B.2.b.2, because no soil remediation was performed for this Site.





Note: The three arsenic samples (PL-20, PL-21 and PL-22; each collected from 3 to 4 ft bgs) all have similar concentrations (7.9 mg/kg to 9.3 mg/kg) and appear to be generally consistent with naturally occurring background arsenic levels in southeastern Wisconsin.



SOURCE: GOOGLE EARTH, JUNE 2016

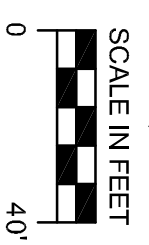
LEGEND:
 PL1
 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION

 Exceeds the background threshold value (BTV) for arsenic


 consultants		WE ENERGIES consultants	
CLIENT:	WE ENERGIES		
PROJECT:	PLEASANT PRAIRIE POWER PLANT 8000 95th STREET PLEASANT PRAIRIE, WISCONSIN		
TITLE:	Soil Contamination - Arsenic		
PROJECT: CHEBOSNAMT	FIGURE NO.:	B.2.a.3.	DRAWING NO.:
DATE: November 23, 2016	FILE NO.:	1611 PA 01	B.2.a.1




Note: The three arsenic samples (PL-20, PL-21 and PL-22; each collected from 3 to 4 ft bgs) all have similar concentrations (7.9 mg/kg to 9.3 mg/kg) and appear to be generally consistent with naturally occurring background arsenic levels in southeastern Wisconsin.



LEGEND:
 PL1
 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION

 Exceeds the background threshold value (BTV) for arsenic

	
CLIENT:	WE ENERGIES
PROJECT:	PLEASANT PRAIRIE POWER PLANT 8000 95th STREET PLEASANT PRAIRIE, WISCONSIN
TITLE:	Residual Soil Contamination - Arsenic
PROJECT: CHEBOSQUANT	FIGURE NO.: B.2.a.3. DRAWING NO.: B.2.b.1
DATE: November 23, 2016	FILE NO.: 1611 PA 01

PL-1		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	105	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	<25.0	

PL-2		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	302	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	103	

B-2		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	185	174
1,2,4-Trimethylbenzene	40.7	65.4
1,3,5-Trimethylbenzene	33.5J	75.3

PL-3		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	351	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	337J	

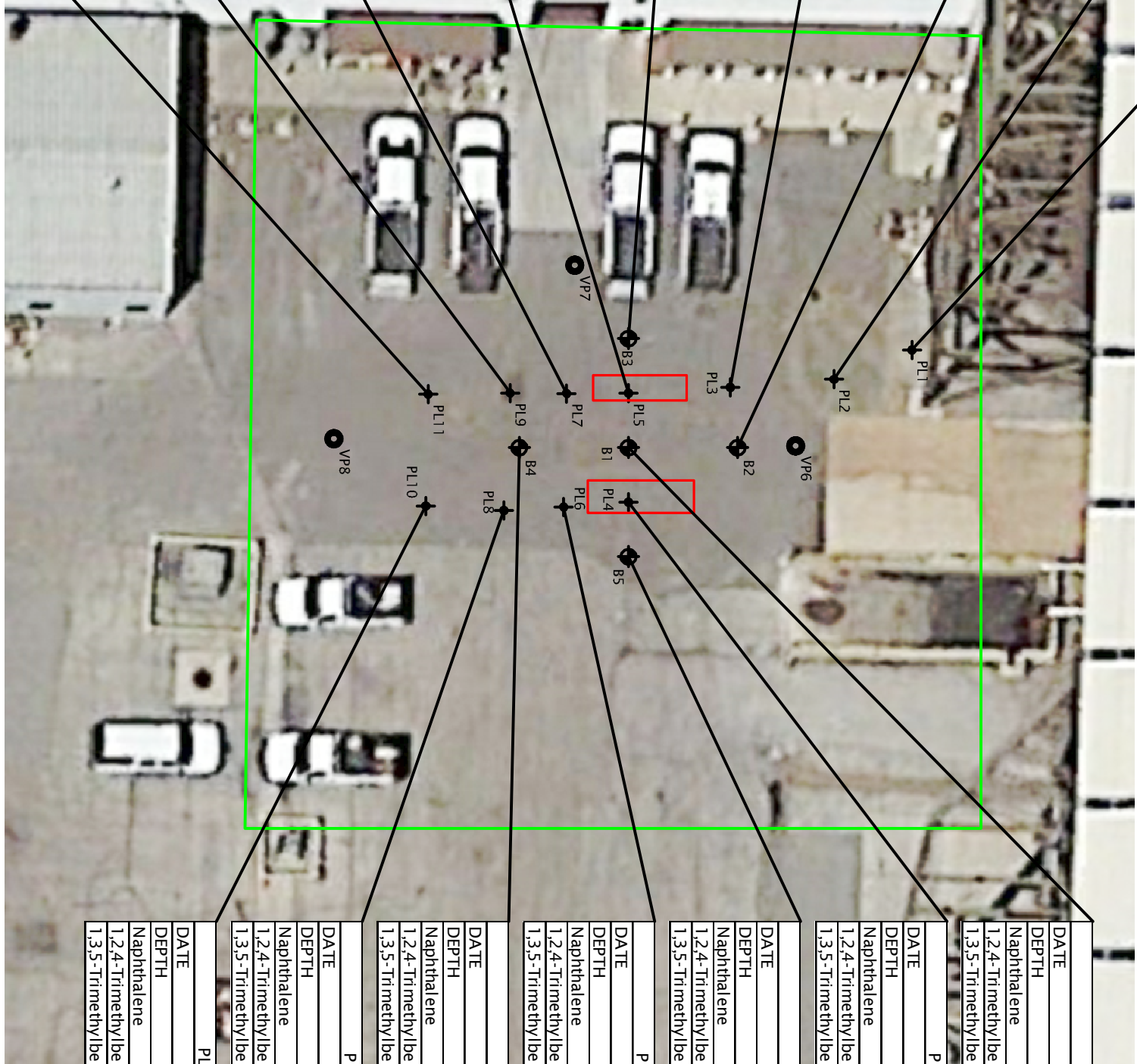
B-3		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	346	195
1,2,4-Trimethylbenzene	172	51.7J
1,3,5-Trimethylbenzene	99.8	43.5J

PL-5		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	18,300	
1,2,4-Trimethylbenzene	2,740	
1,3,5-Trimethylbenzene	1,490	

PL-7		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	589	
1,2,4-Trimethylbenzene	54.2J	
1,3,5-Trimethylbenzene	44.4J	

PL-9		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	161	
1,2,4-Trimethylbenzene	<25.8	
1,3,5-Trimethylbenzene	32.1J	

PL-11		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	108	
1,2,4-Trimethylbenzene	<25.8	
1,3,5-Trimethylbenzene	<25.8	



B-1		
DATE	10/11/16	10/11/16
DEPTH	2-3	12-13
Naphthalene	204	202
1,2,4-Trimethylbenzene	<25.0	42.0J
1,3,5-Trimethylbenzene	79.4	105

PL-4		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	7,960	
1,2,4-Trimethylbenzene	989	
1,3,5-Trimethylbenzene	297J	

B-5		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	478	321
1,2,4-Trimethylbenzene	196	85.8
1,3,5-Trimethylbenzene	169	95

PL-6		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	641	
1,2,4-Trimethylbenzene	55.7	
1,3,5-Trimethylbenzene	57.5	

B-4		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	276	613
1,2,4-Trimethylbenzene	56.3J	142J
1,3,5-Trimethylbenzene	48.9J	117J

PL-8		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	118	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	43.7J	

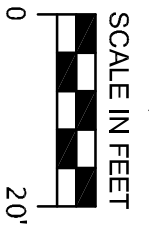
PL-10		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	395	
1,2,4-Trimethylbenzene	112	
1,3,5-Trimethylbenzene	116	

LEGEND:

- B1 APPROXIMATE SOIL BORING LOCATION
- VP6 APPROXIMATE SOIL VAPOR PROBE LOCATION
- TANK CLOSURE SITE ASSESSMENT SAMPLE LOCATIONS
- ✦ PL4 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION
- "AREA C" AS DEFINED IN THE TANK SYSTEM SITE ASSESSMENT REPORT
- ESTIMATED EXTENT OF UNSATURATED SOIL WITH CONCENTRATIONS EXCEEDING THE GROUNDWATER PROTECTION RCL.

NOTES:

- BOLD** - SAMPLE EXCEEDS THE WDNR INDUSTRIAL DIRECT CONTACT PATHWAY RCL
 - ITALICS** - SAMPLE EXCEEDS THE WDNR GROUNDWATER PROTECTION RCL
 - DEPTH** - BELOW GROUND SURFACE (FEET)
 - J** - ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT
 - ug/kg - MICROGRAMS PER KILOGRAM
 - PVOC - PETROLEUM VOLATILE ORGANIC COMPOUNDS
 - RCL - WDNR RESIDUAL CONTAMINANT LEVEL
1. NONE OF THE UNSATURATED SOIL SAMPLES AT THIS SITE CONTAINED PVOCs ABOVE DIRECT CONTACT RCLs.
 2. ALL SOIL SAMPLES WERE COLLECTED FROM DEPTHS ABOVE THE SHALLOW GROUNDWATER TABLE AND ARE CONSIDERED UNSATURATED SOIL SAMPLES.



SOURCE: GOOGLE EARTH, JUNE 2016



CLIENT: **WE ENERGIES**

PROJECT: PLEASANT PRAIRIE POWER PLANT
8000 95th STREET
PLEASANT PRAIRIE, WISCONSIN

TITLE: SOIL CONTAMINATION - PVOCs

PROJECT: CHEBOSNAW
DATE: July 13, 2017
FIGURE NO.: B.2.a.2
DRAWING NO.:
FILE NO.: 1707 PA 05

PL-1		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	105	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	<25.0	

PL-2		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	302	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	103	

B-2		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	185	174
1,2,4-Trimethylbenzene	40.7	65.4
1,3,5-Trimethylbenzene	33.5J	75.3

PL-3		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	351	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	337J	

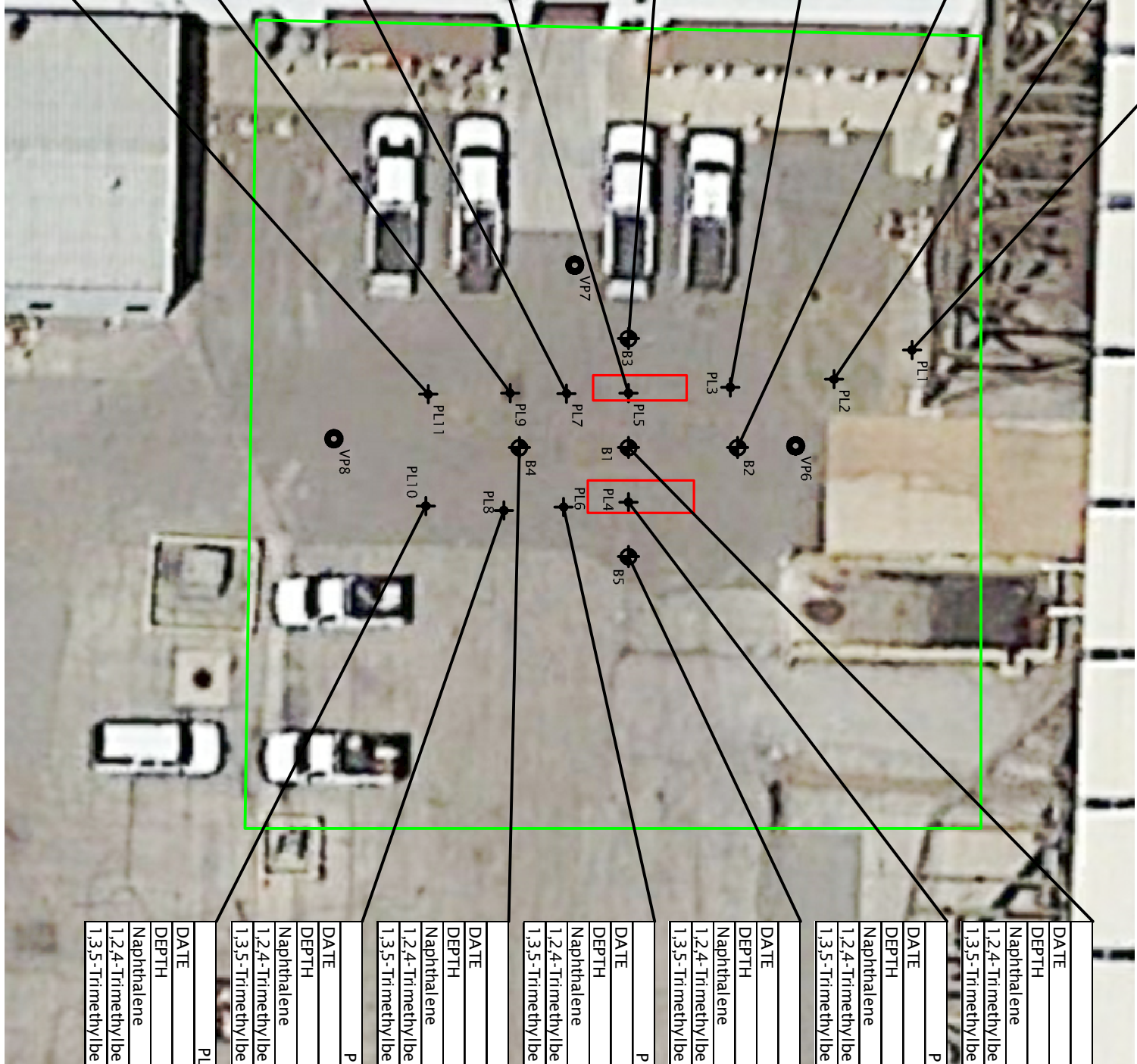
B-3		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	346	195
1,2,4-Trimethylbenzene	172	51.7J
1,3,5-Trimethylbenzene	99.8	43.5J

PL-5		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	18,300	
1,2,4-Trimethylbenzene	2,740	
1,3,5-Trimethylbenzene	1,490	

PL-7		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	589	
1,2,4-Trimethylbenzene	54.2J	
1,3,5-Trimethylbenzene	44.4J	

PL-9		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	161	
1,2,4-Trimethylbenzene	<25.8	
1,3,5-Trimethylbenzene	32.1J	

PL-11		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	108	
1,2,4-Trimethylbenzene	<25.8	
1,3,5-Trimethylbenzene	<25.8	



B-1		
DATE	10/11/16	10/11/16
DEPTH	2-3	12-13
Naphthalene	204	202
1,2,4-Trimethylbenzene	<25.0	42.0J
1,3,5-Trimethylbenzene	79.4	105

PL-4		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	7,960	
1,2,4-Trimethylbenzene	989	
1,3,5-Trimethylbenzene	297J	

B-5		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	478	321
1,2,4-Trimethylbenzene	196	85.8
1,3,5-Trimethylbenzene	169	95

PL-6		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	641	
1,2,4-Trimethylbenzene	55.7	
1,3,5-Trimethylbenzene	57.5	

B-4		
DATE	10/11/16	10/11/16
DEPTH	3-4	12-13
Naphthalene	276	613
1,2,4-Trimethylbenzene	56.3J	142J
1,3,5-Trimethylbenzene	48.9J	117J

PL-8		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	118	
1,2,4-Trimethylbenzene	<25.0	
1,3,5-Trimethylbenzene	43.7J	

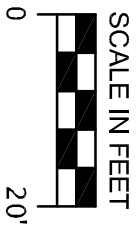
PL-10		
DATE	07/07/15	
DEPTH	3-4	
Naphthalene	395	
1,2,4-Trimethylbenzene	112	
1,3,5-Trimethylbenzene	116	

LEGEND:

- B1 APPROXIMATE SOIL BORING LOCATION
- VP6 APPROXIMATE SOIL VAPOR PROBE LOCATION
- ⊕ TANK CLOSURE SITE ASSESSMENT SAMPLE LOCATIONS
- ⊕ PL4 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION
- "AREA C" AS DEFINED IN THE TANK SYSTEM SITE ASSESSMENT REPORT
- ESTIMATED EXTENT OF UNSATURATED SOIL WITH CONCENTRATIONS EXCEEDING THE GROUNDWATER PROTECTION RCL.

NOTES:

- 1. NONE OF THE UNSATURATED SOIL SAMPLES AT THIS SITE CONTAINED PVOCS ABOVE DIRECT CONTACT RCLs.
- 2. ALL SOIL SAMPLES WERE COLLECTED FROM DEPTHS ABOVE THE SHALLOW GROUNDWATER TABLE AND ARE CONSIDERED UNSATURATED SOIL SAMPLES.



SOURCE: GOOGLE EARTH, JUNE 2016



WE ENERGIES

PROJECT: PLEASANT PRAIRIE POWER PLANT
8000 95th STREET
PLEASANT PRAIRIE, WISCONSIN

TITLE: RESIDUAL SOIL CONTAMINATION - PVOCS

PROJECT: CHEBROKANT FIGURE NO.: B.2.b.2 DRAWING NO.:
DATE: July 13, 2017 FILE NO.: 1707 PA 05 **B.2.b.2**

B.3

Groundwater Figures

B.3.a Geologic Cross-Section Figure(s)

Not applicable. Only two soil sample locations exceeded the groundwater protection RCL, and both samples were collected at 3 to 4 ft bgs. None of the soil samples collected from the soil-groundwater interface (12 to 13 ft bgs) contained PVOCs or naphthalene at concentrations exceeding their respective groundwater protection RCLs, and groundwater does not contain PVOCs or naphthalene at concentrations exceeding either the PAL or ES. Given the limited extent of soil impact, the lack of groundwater impact, and the fact that no remediation is warranted for the Site, preparation of a geologic cross section was not warranted.

B.3.b Groundwater Isoconcentration

Not applicable. No groundwater impacts were identified at this Site.

B.3.c Groundwater Flow Direction

Not applicable. Since no groundwater impacts were identified at the Site, the groundwater flow direction was not determined.

B.3.d Monitoring Wells

Not applicable. Temporary monitoring wells were installed in soil borings B1 through B5 to obtain groundwater samples. The temporary wells were immediately removed and the boreholes abandoned after the groundwater samples were collected.

B.4

Vapor Maps and Other Media

B.4.a Vapor Intrusion Map

B.4.b Other Media of Concern
(e.g., sediment or surface water)






Not applicable. No media other than soil, groundwater and soil vapor was sampled.

B.4.c Other

Not applicable.

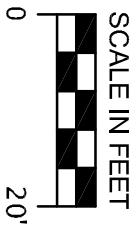


LEGEND:

-  B1 APPROXIMATE SOIL BORING LOCATION
-  VP6 APPROXIMATE SOIL VAPOR PROBE LOCATION
-  PL4 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION
-  APPROXIMATE lateral extent of impacted soil
-  APPROXIMATE location of Area C from Tank Closure Report

NOTES:

- i.u. - PID INSTRUMENT UNITS
- PID - PHOTO IONIZATION DETECTOR



SOURCE: GOOGLE EARTH, JUNE 2016



CLIENT: **WE ENERGIES**

PROJECT: PLEASANT PRAIRIE POWER PLANT
8000 95th STREET
PLEASANT PRAIRIE, WISCONSIN

TITLE: VAPOR INTRUSION MAP

PROJECT: CHEBOSAMT FIGURE NO.: B.4.a. DRAWING NO.: **B.4.a.**
DATE: July 13, 2017 FILE NO.: 1707 PA 05

B.5

Structural Impediment Photos

Not applicable. No structural impediments were encountered that precluded investigation or remediation.

ATTACHMENT C

Documentation of Remedial Action

C.1 Site Investigation Documentation

The following Site investigation documentation is included in C.1:
Soil boring information logs (WDNR Form 4400-122) for soil borings B1 through B5
Borehole abandonment forms (WDNR Form 4400-005) for soil borings B1 through B-5

C.2 Investigative Waste Disposal Documentation

Not applicable. No soils were generated requiring off-Site disposal. The total volume of water generated during the groundwater sample collection process was less than 2 gallons, and this water was discharged to the pavement and allowed to evaporate. Therefore, no investigation waste was generated that required disposal.

C.3 RCL Development Methodology

The RCLs utilized for this project are those referenced in the Department's RCL Spreadsheet, and the BTV for arsenic. No other methodology was utilized to develop RCLs.

C.4 Construction Documentation

Not applicable. Remediation was not performed at the Site.

C.5 Decommissioning of Remedial Systems

Not applicable. Remediation was not performed at the Site.

C.6 Other

Not applicable.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Pleasant Prairie Power Plant FO Tank System		License/Permit/Monitoring Number -		Boring Number B-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil Gestra Engineering Inc.		Date Drilling Started 10/11/2016		Date Drilling Completed 10/11/2016	
Drilling Method Geoprobe		WI Unique Well No. -		DNR Well ID No. -	
Common Well Name -		Final Static Water Level 13 Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.00 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of NW 1/4 of Section 21, T 1 N, R 22 E		Lat _____ ° _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID -		County Kenosha		County Code 30	
				Civil Town/City/ or Village Pleasant Prairie	

Sample Number and Type	Length Att. & 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	N-Value	Liquid Limit	Plasticity Index	RQD	
1 GMAC	60		1	ASPHALT AND CONCRETE	GW									Soil sample 2-3' PVOC + Naphthalene
				WELL GRADED GRAVEL; coarse grained (base course)	FILL									
				Light brown, SILTY SAND (SM); with gravel; loose; dry [FILL]										
				Medium brown, SILTY CLAY (CL/ML); with sand; trace gravel [FILL]	CL/ML									
2 GMAC	60		5	Medium brown, SILTY SAND (SM); with gravel [FILL]										
				some brick fragments	SM									
3 GMAC	60		10											

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

Signature James E. Bouman Firm Geosyntec Consultants
10600 N. Port Washington Rd, Suite 100, Mequon, WI 53092 Tel: (262) 377-9828

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Pleasant Prairie Power Plant FO Tank System		License/Permit/Monitoring Number -		Boring Number B-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil Gestra Engineering Inc.		Date Drilling Started 10/11/2016		Date Drilling Completed 10/11/2016	
Drilling Method Geoprobe		WI Unique Well No. -		DNR Well ID No. -	
Common Well Name -		Final Static Water Level 13 Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.00 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of NW 1/4 of Section 21, T 1 N, R 22 E		Lat _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____ ' _____ "		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID -		County Kenosha		County Code 30	
				Civil Town/City/ or Village Pleasant Prairie	

Sample Number and Type	Length Att. & 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	N-Value	Liquid Limit	Plasticity Index	RQD		
1 GMAC	60		0-1	ASPHALT AND CONCRETE WELL GRADED GRAVEL ; coarse grained (base course) Light brown, SILTY SAND (SM) ; with gravel; loose; dry [FILL]	GW										
2 GMAC	60		1-8	Crushed LIMESTONE ; some brick debris [FILL]	FILL										
3 GMAC	60		8-12	Medium brown, SILTY SAND (SM) ; coarse grained; loose; dry [FILL]	SM										Soil sample 3-4' PVOC + Naphthalene

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

Signature: *James E. Panfil* Firm: **Geosyntec Consultants**
10600 N. Port Washington Rd, Suite 100, Mequon, WI 53092 Tel: (262) 377-9828

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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Pleasant Prairie Power Plant FO Tank System		License/Permit/Monitoring Number -		Boring Number B-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil Gestra Engineering Inc.		Date Drilling Started 10/11/2016		Date Drilling Completed 10/11/2016	
Drilling Method Geoprobe		WT Unique Well No. -		DNR Well ID No. -	
Common Well Name -		Final Static Water Level 13 Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.00 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of NW 1/4 of Section 21, T 1 N, R 22 E		Lat _____ ° _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____ ° _____ ' _____ "		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID -		County Kenosha		County Code 30	
		Civil Town/City/ or Village Pleasant Prairie			

Sample Number and Type	Length Att. & 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																																																																																																																																																																				
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				Medium brown, SILTY SAND (SM) ; coarse grained; trace gravel; loose; dry [FILL]																																															SM																																																																																																																															
				some BRICK debris [FILL]																																																															SM																																																																																																															
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Soil sample 3-4' PVOC + Naphthalene

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

Signature: *James E. Bannartus* Firm: **Geosyntec Consultants**
10600 N. Port Washington Rd, Suite 100, Mequon, WI 53092 Tel: (262) 377-9828

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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Pleasant Prairie Power Plant FO Tank System		License/Permit/Monitoring Number -		Boring Number B-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil Gestra Engineering Inc.		Date Drilling Started 10/11/2016		Date Drilling Completed 10/11/2016	
Drilling Method Geoprobe		WT Unique Well No. -		DNR Well ID No. -	
Common Well Name -		Final Static Water Level 13 Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.00 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of NW 1/4 of Section 21, T 1 N, R 22 E		Lat _____"		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____"		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	
Facility ID -		County Kenosha		County Code 30	
		Civil Town/City/ or Village Pleasant Prairie			

Sample Number and Type	Length Att. & 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	N-Value	Liquid Limit	Plasticity Index	RQD		
1 GMAC	60		0	ASPHALT AND CONCRETE											
			1	WELL GRADED GRAVEL ; coarse grained (base course)	GW										
			2	Light brown, SILTY SAND (SM) ; with gravel; loose; dry [FILL]											
			3												
			4												
			5		FILL										
			6												
			7												
			8												
			9	some BRICK debris											
			10	Medium brown, SILTY SAND (SM) ; with gravel; loose; dry [FILL]											
			11		FILL										
			12												

Soil sample 3-4' PVOC + Naphthalene

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

Signature: *James E. Bannister* Firm: **Geosyntec Consultants**
10600 N. Port Washington Rd, Suite 100, Mequon, WI 53092 Tel: (262) 377-9828

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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Pleasant Prairie Power Plant FO Tank System		License/Permit/Monitoring Number -		Boring Number B-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Mitch Panfil Gestra Engineering Inc.		Date Drilling Started 10/11/2016		Date Drilling Completed 10/11/2016	
Drilling Method Geoprobe		Final Static Water Level 13 Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 2.00 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane NE 1/4 of NW 1/4 of Section 21, T 1 N, R 22 E		Lat _____"		<input type="checkbox"/> N <input type="checkbox"/> E	
Long _____"		Feet <input type="checkbox"/> S		Feet <input type="checkbox"/> W	

Facility ID -	County Kenosha	County Code 30	Civil Town/City/ or Village Pleasant Prairie
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Sample Number and Type	Length Att. & 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	N-Value	Liquid Limit	Plasticity Index	RQD		
1 GMAC	60		0-1	ASPHALT AND CONCRETE											
			1-2	WELL GRADED GRAVEL ; coarse grained (base course) Light brown, SILTY SAND (SM) ; with gravel; loose; dry [FILL]	GW										Soil sample 2-3' PVOC + Naphthalene
2 GMAC	60		5-9	some BRICK debris Light brown, SILTY SAND (SM) ; with gravel; loose; dry [FILL]	FILL										
3 GMAC	60		10-12		FILL										

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

Signature: *James E. Bannert* Firm: **Geosyntec Consultants**
10600 N. Port Washington Rd, Suite 100, Mequon, WI 53092 Tel: (262) 377-9828

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Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Kenosha</i>		WI Unique Well # of Removed Well <i>B 1</i>		Hicap #		Facility Name <i>Pleasant Prairie Power Plant</i>	
Latitude / Longitude (Degrees and Minutes) <i>42° 53' 69" N</i> <i>87° 04' 96" W</i>		Method Code (see instructions)		Facility ID (FID or PWS) <i>230 006 260</i>		License/Permit/Monitoring # <i>B-1</i>	
1/4 NE or Gov't Lot #		Section <i>21</i>		Township <i>1 N</i>		Range <i>22</i>	
						<input checked="" type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address <i>8000 95th Street</i>				Original Well Owner <i>We Energies</i>			
Well City, Village or Town <i>Pleasant Prairie</i>				Present Well Owner <i>We Energies</i>			
Well ZIP Code <i>53158</i>				Mailing Address of Present Owner <i>8000 95th Street</i>			
Subdivision Name				City of Present Owner <i>Pleasant Prairie</i>		State <i>WI</i>	ZIP Code <i>53158</i>
Reason For Removal From Service <i>No Longer Needed</i>		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			

3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy)		Pump and piping removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well				Screen removed?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:				Was casing cut off below surface?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> Dug		Did material settle after 24 hours?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
				If yes, was hole retopped?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
				If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:				Required Method of Placing Sealing Material			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity			
				<input type="checkbox"/> Conductor Pipe-Pumped			
Total Well Depth From Ground Surface (ft.) <i>20</i>		Casing Diameter (in.) <i>NA</i>		<input type="checkbox"/> Screened & Poured (Bentonite Chips)			
				<input checked="" type="checkbox"/> Other (Explain): <i>Poured</i>			
Lower Drillhole Diameter (in.) <i>2</i>		Casing Depth (ft.) <i>NA</i>		Sealing Materials			
Was well annular space grouted?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Neat Cement Grout			
If yes, to what depth (feet)? <i>20</i>		Depth to Water (feet) <i>13</i>		<input type="checkbox"/> Sand-Cement (Concrete) Grout			
				<input type="checkbox"/> Concrete			
				<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
				<input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input type="checkbox"/> Bentonite Chips			
				<input type="checkbox"/> Bentonite - Cement Grout			
				<input checked="" type="checkbox"/> Granular Bentonite			
				<input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole				From (ft.)		To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
<i>Granular Bentonite</i>				Surface		20		2 Sacks			
6. Comments				<i>Temporary well installed to collect a groundwater sample. Temporary well was removed from the borehole prior to abandonment.</i>							
7. Supervision of Work						DNR Use Only					
Name of Person or Firm Doing Filling & Sealing <i>Jim Bannantine</i>			License #		Date of Filling & Sealing (mm/dd/yyyy) <i>10/12/2016</i>		Date Received		Noted By		
Street or Route <i>10600 N. Port Washington Road</i>			Telephone Number <i>(914) 339-5630</i>			Comments					
City <i>Megun</i>		State <i>WI</i>		ZIP Code <i>53092</i>		Signature of Person Doing Work <i>J Bannantine</i>			Date Signed <i>7/3/17</i>		

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Kenosha</i>		WI Unique Well # of Removed Well <i>B 2</i>		Hicap #		Facility Name <i>Pleasant Prairie Power Plant</i>	
Latitude / Longitude (Degrees and Minutes) <i>42° 53' 69" N</i> <i>87° 9' 04" 96" W</i>		Method Code (see instructions)		Facility ID (FID or PWS) <i>230 006 260</i>		License/Permit/Monitoring # <i>B-2</i>	
1/4 NE 1/4 NW or Gov't Lot #		Section <i>21</i>	Township <i>1 N</i>	Range <i>22</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner <i>We Energies</i>	
Well Street Address <i>8000 95th Street</i>				Present Well Owner <i>We Energies</i>			
Well City, Village or Town <i>Pleasant Prairie</i>				Mailing Address of Present Owner <i>8000 95th Street</i>			
Subdivision Name				Lot #	City of Present Owner <i>Pleasant Prairie</i>	State <i>WI</i>	ZIP Code <i>53158</i>
Reason For Removal From Service <i>No Longer Needed</i>		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			

3. Well / Drillhole / Borehole Information		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Monitoring Well		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Original Construction Date (mm/dd/yyyy)		Was casing cut off below surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
If a Well Construction Report is available, please attach.		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type:		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> Other (specify): _____		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth From Ground Surface (ft.) <i>20</i>		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <i>Poured</i>	
Casing Diameter (in.) <i>NA</i>		Sealing Materials	
Lower Drillhole Diameter (in.) <i>2</i>		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
Casing Depth (ft.) <i>NA</i>		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips	
If yes, to what depth (feet)? <i>20</i>		For Monitoring Wells and Monitoring Well Boreholes Only:	
Depth to Water (feet) <i>13</i>		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole			
<i>Granular Bentonite</i>		From (ft.) <i>Surface</i>	To (ft.) <i>20</i>
		No. Yards, Sacks Sealant or Volume (circle one) <i>2 Sacks</i>	Mix Ratio or Mud Weight
6. Comments			
<i>Temporary well installed to collect a groundwater sample. Temporary well was removed from the borehole prior to abandonment.</i>			

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Jim Bannantine</i>		License #	Date of Filling & Sealing (mm/dd/yyyy) <i>10/12/2016</i>	Date Received	Noted By
Street or Route <i>10600 N. Port Washington Road</i>		Telephone Number <i>(914) 339-5630</i>		Comments	
City <i>Megunon</i>	State <i>WI</i>	ZIP Code <i>53092</i>	Signature of Person Doing Work <i>J Bannantine</i>	Date Signed <i>7/3/17</i>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

<p>County: <u>Kenosha</u></p> <p>Latitude / Longitude (Degrees and Minutes): <u>42° 53' 69" N</u> <u>87° 09' 49" W</u></p> <p>Well Street Address: <u>8000 95th Street</u></p> <p>Well City, Village or Town: <u>Pleasant Prairie</u></p> <p>Subdivision Name: _____</p>	<p>Facility Name: <u>Pleasant Prairie Power Plant</u></p> <p>Facility ID (FID or PWS): <u>230 006 260</u></p> <p>License/Permit/Monitoring #: <u>B-3</u></p> <p>Original Well Owner: <u>We Energies</u></p> <p>Present Well Owner: <u>We Energies</u></p> <p>Mailing Address of Present Owner: <u>8000 95th Street</u></p> <p>City of Present Owner: <u>Pleasant Prairie</u> State: <u>WI</u> ZIP Code: <u>53158</u></p>
<p>WI Unique Well # of Removed Well: <u>B 3</u></p> <p>Hicap #: _____</p> <p>Method Code (see instructions): _____</p> <p>Section: <u>21</u> Township: <u>1 N</u> Range: <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W</p>	<p>Well Street Address: _____</p> <p>Well ZIP Code: <u>53158</u></p> <p>Lot #: _____</p>

Reason For Removal From Service: No Longer Needed

WI Unique Well # of Replacement Well: _____

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<p><input type="checkbox"/> Monitoring Well</p> <p><input type="checkbox"/> Water Well</p> <p><input checked="" type="checkbox"/> Borehole / Drillhole</p> <p>Original Construction Date (mm/dd/yyyy): _____</p> <p>If a Well Construction Report is available, please attach. _____</p> <p>Construction Type:</p> <p><input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug</p> <p><input type="checkbox"/> Other (specify): _____</p> <p>Formation Type:</p> <p><input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth From Ground Surface (ft.): <u>20</u></p> <p>Lower Drillhole Diameter (in.): <u>2</u></p> <p>Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown</p> <p>If yes, to what depth (feet)? <u>20</u></p> <p>Depth to Water (feet): <u>13</u></p>	<p>Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A</p> <p>Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A</p> <p>Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>Was casing cut off below surface? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A</p> <p>If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>Required Method of Placing Sealing Material</p> <p><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped</p> <p><input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>Poured</u></p> <p>Sealing Materials</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)</p> <p><input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "</p> <p><input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Chips</p> <p>For Monitoring Wells and Monitoring Well Boreholes Only:</p> <p><input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout</p> <p><input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry</p>
--	--

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Granular Bentonite</u>	<u>Surface</u>	<u>20</u>	<u>2 Sacks</u>	

6. Comments

Temporary well installed to collect a groundwater sample. Temporary well was removed from the borehole prior to abandonment.

7. Supervision of Work		DNR Use Only	
Name of Person or Firm Doing Filling & Sealing: <u>Jim Bannantine</u>	License #: _____	Date of Filling & Sealing (mm/dd/yyyy): <u>10/12/2016</u>	Date Received: _____
Street or Route: <u>10600 N. Port Washington Road</u>	Telephone Number: <u>(914) 339-5630</u>	Comments: _____	
City: <u>Megunon</u>	State: <u>WI</u> ZIP Code: <u>53092</u>	Signature of Person Doing Work: <u>J Bannantine</u>	Date Signed: <u>7/3/17</u>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County: Kenosha WI Unique Well # of Removed Well: B 4 Hicap #: _____

Latitude / Longitude (Degrees and Minutes): 42° 53' 6" N Method Code (see instructions): _____
87° 9' 0" 4" W

1/4 NE 1/4 NW Section: 21 Township: 1 N Range: 22 E W

or Gov't Lot # _____

Well Street Address: 8000 95th Street

Well City, Village or Town: Pleasant Prairie Well ZIP Code: 53158

Subdivision Name _____ Lot # _____

Reason For Removal From Service: No Longer Needed WI Unique Well # of Replacement Well: _____

Facility Name: Pleasant Prairie Power Plant

Facility ID (FID or PWS): 230 006 260

License/Permit/Monitoring #: B-4

Original Well Owner: We Energies

Present Well Owner: We Energies

Mailing Address of Present Owner: 8000 95th Street

City of Present Owner: Pleasant Prairie State: WI ZIP Code: 53158

3. Well / Drillhole / Borehole Information

Monitoring Well Original Construction Date (mm/dd/yyyy): _____

Water Well

Borehole / Drillhole If a Well Construction Report is available, please attach. _____

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): 20 Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 2 Casing Depth (ft.): NA

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? 20 Depth to Water (feet): 13

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): Poured

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)

Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "

Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Granular Bentonite

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	20	2 Sacks	

6. Comments

Temporary well installed to collect a groundwater sample. Temporary well was removed from the borehole prior to abandonment.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Jim Bannantine License #: _____ Date of Filling & Sealing (mm/dd/yyyy): 10/12/2016 Date Received: _____ Noted By: _____

Street or Route: 10600 N. Port Washington Road Telephone Number: (914) 339-5630 Comments: _____

City: Megunon State: WI ZIP Code: 53092 Signature of Person Doing Work: J Bannantine Date Signed: 7/3/17

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County <i>Kenosha</i>		WI Unique Well # of Removed Well <i>B 5</i>		Hicap #		Facility Name <i>Pleasant Prairie Power Plant</i>	
Latitude / Longitude (Degrees and Minutes) <i>42° 53' 69" N</i> <i>87° 9' 04" W</i>				Method Code (see instructions)			
1/4 NE or Gov't Lot #		Section <i>21</i>		Township <i>1 N</i>		Range <i>22 E</i>	
Well Street Address <i>8000 95th Street</i>				Original Well Owner <i>We Energies</i>			
Well City, Village or Town <i>Pleasant Prairie</i>				Present Well Owner <i>We Energies</i>			
Well ZIP Code <i>53158</i>				Mailing Address of Present Owner <i>8000 95th Street</i>			
Subdivision Name				City of Present Owner <i>Pleasant Prairie</i>		State <i>WI</i>	
Lot #				ZIP Code <i>53158</i>			

Reason For Removal From Service: *No Longer Needed*

WI Unique Well # of Replacement Well: _____

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): _____

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): *20* Casing Diameter (in.): *NA*

Lower Drillhole Diameter (in.): *2* Casing Depth (ft.): *NA*

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? *20* Depth to Water (feet): *13*

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): *Poured*

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Granular Bentonite</i>	<i>Surface</i>	<i>20</i>	<i>2 Sacks</i>	

6. Comments
Temporary well installed to collect a groundwater sample. Temporary well was removed from the borehole prior to abandonment.

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Jim Bannantine</i>		License #	Date of Filling & Sealing (mm/dd/yyyy) <i>10/12/2016</i>	Date Received	Noted By
Street or Route <i>10600 N. Port Washington Road</i>			Telephone Number <i>(914) 339-5630</i>	Comments	
City <i>Mequon</i>	State <i>WI</i>	ZIP Code <i>53092</i>	Signature of Person Doing Work <i>J Bannantine</i>	Date Signed <i>7/3/17</i>	

ATTACHMENT D

Maintenance Plan(s) and Photographs

- D.1. Description of maintenance action and Cover Maintenance Plan
- D.2. Location Maps
- D.3. Photographs
- D.4. Inspection log

ATTACHMENT D.1.

Description of maintenance action(s)

Two soil samples (PL-4 and PL-5) collected from 3 to 4 ft bgs contained naphthalene and trimethylbenzenes at concentrations exceeding the WDNR groundwater protection RCL. However, groundwater is not impacted at the Site. The limited amount of soil contamination, the depth to water (approximately 13 ft bgs) and the presence of paved ground surface (limiting downward infiltration of surface waters) likely account for the lack of groundwater impact at the Site. Since the paved surface at the Site is potentially protecting groundwater from the residually impacted soil, the pavement must be maintained. A Cover Maintenance Plan for the paved surface at the Site is included in ATTACHMENT D.1.

COVER MAINTENANCE PLAN

August 17, 2017

We-Energies
Pleasant Prairie Power Plant
8000 South 95th Street
Pleasant Prairie, WI 53158

BRRTS# 02-30-576938

FID#230006260

Parcel Identification Number: 92-4-122-164-0011 in Kenosha County

Introduction:

This document is the Cover Maintenance Plan for a paved surface at the above-referenced property in accordance with the requirements of s. NR 724.13 (2), Wis. Adm. Code. The maintenance activities relate to the existing pavement cover system which occupies the area over naphthalene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene contaminated soil.

More site-specific information about this property/site may be found in:

- The case file in the DNR Southeast Region Waukesha, Wisconsin office
- At <http://dnr.wi.gov/topic/Brownfields/wrrd.html>, which includes:
 - BRRTS on the Web (DNR's internet based data base of contaminated sites) for the link to a PDF for site-specific information at the time of closure and on continuing obligations;
 - RR Sites Map for a map view of the site, and
- The DNR project manager for Kenosha County.

Description of Contamination

Naphthalene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene contaminated soil from aboveground storage tank (AST) transmission piping is located beneath a paved area of the site. Contaminated soils reside at depths of approximately 3 to 4 feet below ground surface (ft bgs). Groundwater has not been impacted by residually impacted soils. The paved surface serves to limit downward infiltration of surface waters, thereby protecting groundwater.

Description of the Cover System to be Maintained

The cover system consists of asphalt pavement. The cover system location is shown on Figure D.2.

Cover System Purpose

The cover system over the contaminated soil serves as a barrier to limit downward infiltration of surface waters that could cause the identified contaminants to migrate vertically and impact groundwater. Based on the current use of the property (e.g. industrial utility), the cover system should function as intended unless disturbed.

Annual Inspection

The cover system overlying the contaminated soil and as depicted in Figure D.2 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can accelerate infiltration to underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. It will be the responsibility of the We Energies Environmental Coordinator to ensure that annual inspections are completed and that the inspection form is updated.

A log of the inspections and any repairs will be maintained by the property owner and is included as D.4, Form 4400-305, Continuing Obligations Inspection and Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed and where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the maintenance plan and inspection log will be kept at the site; or, if there is no acceptable place (for example, no building is present) to keep it at the site, at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources (DNR) representatives upon their request.

Maintenance Activities

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

In the event the cover system overlying the contaminated soil is removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the DNR or its successor.

The property owner, in order to maintain the integrity of the cover system, will maintain a copy of this Cover Maintenance Plan at the site; or, if there is no acceptable place to keep it at the site (for example, no building is present), at the address of the property owner and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting the Cover System

The following activities are prohibited on any portion of the property where the cover system 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; 7) changing the use or occupancy of the property to a residential exposure setting, which may include certain uses, such as single or multiple family residences, a school, day care, senior center, hospital, or similar residential exposure settings.

If removal, replacement or other changes to the cover system are considered, the property owner will contact DNR at least 45 days before taking such an action, to determine whether further action may be necessary to

protect human health, safety, or welfare or the environment, in accordance with s. NR 727.07, Wis. Adm. Code.

Amendment or Withdrawal of the Cover Maintenance Plan

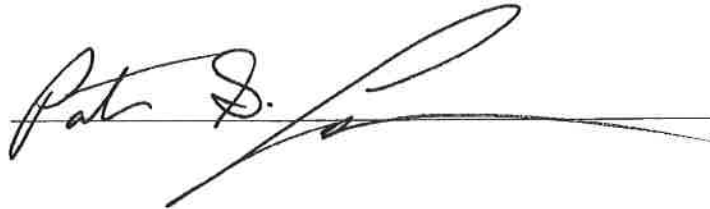
This Cover Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of DNR.

Contact Information

August 2017

Site Owner and Operator: Pat Lawlor
PPPP Asset Manager
We Energies
8000 95th Street
Pleasant Prairie, WI 53158
262-947-5322

Signature:

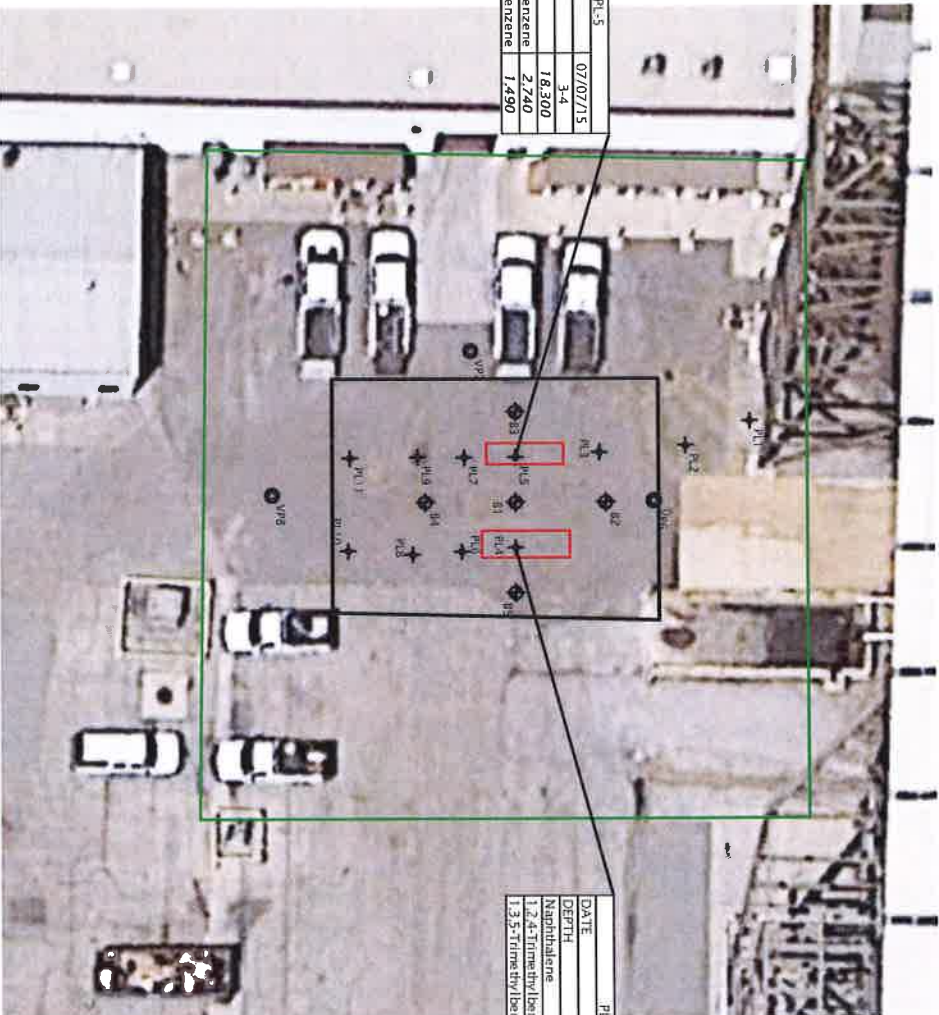
A handwritten signature in black ink, appearing to read "Pat Lawlor", written over a horizontal line. The signature is stylized and includes a long horizontal flourish extending to the right.

Consultant: James Bannantine
Geosyntec Consultants
10600 N. Port Washington Rd., Suite 100
Mequon, WI 53092
414-339-5630

DNR: Shanna Laube-Anderson
WDNR
141 NW Barstow, Room 180
Waukesha, WI 53203
262-574-2142

ATTACHMENT D.2.

Location map(s)
Cover System Area



PL-5	07/07/15
DATE	3-4
DEPTH	18,300
Naphthalene	2,740
1,2,4-Trimehylbenzene	1,490

PL-4	07/07/15
DATE	3-4
DEPTH	7,960
Naphthalene	989
1,2,4-Trimehylbenzene	2971

LEGEND:

- ◆ B1 SITE INVESTIGATION SAMPLE LOCATIONS
- ◆ B2 APPROXIMATE SOIL BORING LOCATION
- ◆ B3 APPROXIMATE SOIL VAPOR PROBE LOCATION
- ◆ B4 TANK CLOSURE SITE ASSESSMENT SAMPLE LOCATIONS
- ◆ B5 APPROXIMATE TANK CLOSURE ASSESSMENT SOIL SAMPLE LOCATION
- ◆ B6 COVER SYSTEM AREA
- ◆ B7 ESTIMATED EXTENT OF UNSATURATED SOIL WITH CONCENTRATIONS EXCEEDING THE GROUNDWATER PROTECTION RCL

NOTES:

- 1 - SAMPLE EXCEEDS THE WDNR INDUSTRIAL DIRECT CONTACT PATHWAY RCL
- 2 - SAMPLE EXCEEDS THE WDNR GROUNDWATER PROTECTION RCL
- 3 - BELOW GROUND SURFACE (FEET)
- 4 - ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT
- 5 - MICROGRAMS PER KILOGRAM
- 6 - PARTS PER BILLION
- 7 - WDNR RESIDUAL CONTAMINANT LEVEL
- 8 - NONE OF THE UNSATURATED SOIL SAMPLES AT THIS SITE CONTAINED POCs ABOVE DIRECT CONTACT RCLs.
- 9 - ALL SOIL SAMPLES WERE COLLECTED FROM DEPTHS ABOVE THE SHALLOW GROUNDWATER TABLE AND ARE CONSIDERED UNSATURATED SOIL SAMPLES.



Geosyntec
consultants

CLIENT	WE ENERGIES
PROJECT	PLEASANT PRAIRIE POWER PLANT 8000 95th STREET PLEASANT PRAIRIE, WISCONSIN
TITLE	COVER SYSTEM AREA
PROJECT NUMBER	D.2
DATE	APR 21, 2017

ATTACHMENT D.3.
Photographs



Photograph 1
Date

Paved area to serve as Cover for the site, viewing north
August 19, 2016



Photograph 2
Date

Paved area to serve as Cover for the site, viewing east
August 19, 2016

ATTACHMENT D.4.

Inspection log

An Inspection log is provided as ATTACHMENT D.4.

Directions: In accordance with s. NR 727.05 (1) (b) 3., Wis. Adm. Code, use of this form for documenting the inspections and maintenance of certain continuing obligations is required. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.]. When using this form, identify the condition that is being inspected. See the closure approval letter for this site for requirements regarding the submittal of this form to the Department of Natural Resources. A copy of this inspection log is required to be maintained either on the property, or at a location specified in the closure approval letter. Do NOT delete previous inspection results. This form was developed to provide a continuous history of site inspection results. The Department of Natural Resources project manager is identified in the closure letter. The project manager may also be identified from the database, BRRTS on the Web, at <http://dnr.wi.gov/botw/SetUpBasicSearchForm.do>, by searching for the site using the BRRTS ID number, and then looking in the "Who" section.

Activity (Site) Name _____ BRRTS No. 02-30-576938

Pleasant Prairie Power Plant

Inspections are required to be conducted (see closure approval letter):
 annually
 semi-annually
 other – specify _____

When submittal of this form is required, submit the form electronically to the DNR project manager. An electronic version of this filled out form, or a scanned version may be sent to the following email address (see closure approval letter): _____

Inspection Date	Inspector Name	Item	Describe the condition of the item that is being inspected	Recommendations for repair or maintenance	Previous recommendations implemented?	Photographs taken and attached?
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
		<input type="checkbox"/> monitoring well <input type="checkbox"/> cover/barrier <input type="checkbox"/> vapor mitigation system <input type="checkbox"/> other: _____			<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

Continuing Obligations Inspection and Maintenance Log
Form 4400-305 (2/14)

02-30-576938 Pleasant Prairie Power Plant
BRTS No. Activity (Site) Name

{Click to Add/Edit Image}

Date added:

Title:

{Click to Add/Edit Image}

Date added:

Title:

ATTACHMENT E.

Monitoring Well Information

Temporary monitoring wells were installed in soil borings B1 through B5 for groundwater sample collection. The temporary wells were removed and the borings abandoned immediately after collecting groundwater samples.

ATTACHMENT F

Source Legal Documents

F.1 Deed

F.2 Certified Survey Map

F.3 Verification of Zoning

F.4 Signed Statement

ATTACHMENT F.1.

Deed

The warranty deed for the Pleasant Prairie Power Plant is included in ATTACHMENT F.1. No other properties have been impacted by this release.

This Indenture, Made this 15th day of July, A. D. 1974...

between CECIL JOHN HILL AND BEVERLY HILL, husband and wife,

parties of the first part, and
WISCONSIN ELECTRIC POWER COMPANY, a Wisconsin Corporation,

part Y of the second part,

Witnesseth, That the said parties of the first part, for and in consideration of the sum of

ONE (1) DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION

to them in hand paid by the said part Y 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 do give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said part Y of the second part, its successors and assigns forever, the following described real estate, situated in the County of Kenosha, State of Wisconsin, to-wit: **THIS IS PARTIALLY HOMESTEAD PROPERTY** the north half of Part of the south half of section 16 and part of section 21 in town 1 north, range 22 east of the fourth principal meridian, more particularly described as follows: Beginning at the center of said section 16; thence south 2°54'31" east along and upon the north and south quarter line through said section 16 a distance of 1336.36 feet and to the north west corner of the southwest quarter of the southeast quarter of said section 16; thence north 88°36'39" east along and upon the north line of the southwest quarter of said southeast quarter 1311.42 feet and to the northeast corner thereof; thence south 2°39'42" east along and upon the east line of the southwest quarter of said southeast quarter said line also being the westerly right-of-way line of the Chicago & Northwestern Railway Co. a distance of 1338.47 feet and to the southeast corner of the southwest quarter of said southeast quarter section and a jog in said Rwy. right-of-way line; thence north 88°42'32" east along and upon said jog and the north line of the north east quarter of said section 21 a distance of 128.50 feet; thence south 1°11'28" east along and upon the westerly right-of-way line of said Railway 664.46 feet; thence south 88°44'13" west along and upon the south line of the north half of the north half of the northeast quarter of said section 21 a distance of 1415.31 feet and to the west line of said northeast quarter section; thence south 2°49'19" east along and upon the north and south quarter line through said section 21 a distance of 639.24 feet and to the center line of Highway "T" (93rd Street); thence south 89°00'26" west along and upon the center-line of said Highway 2395.34 feet and to the easterly right-of-way line of the Chicago, Milwaukee, St. Paul & Pacific Railroad; thence north 18°09'30" east along and upon the easterly right-of-way line of said Railroad 1376.43 feet and to the north line of the northwest quarter of said section 21 and a jog in said right-of-way line; thence north 88°56'11" east along and upon the north line of said northwest quarter section and said jog 26.47 feet; thence north 18°09'30" east along and upon the easterly right-of-way line of said Railroad 1300.00 feet and to another jog in said right-of-way line; thence north 71°50'30" west along and upon said jog 25.00 feet; thence north 18°09'30" east 1070.16 feet and to another jog in said right-of-way line; thence south 71°50'30" east along and upon said jog 40.00 feet; thence north 18°09'30" east along and upon the easterly right-of-way line of said Railroad 454.44 feet and to the north line of the southwest quarter of said section 16, thence north 88°18'53" east along and upon the north line of the southwest quarter of said section 16 a distance of 845.70 feet and to the point of beginning, lying and being in the town of Pleasant Prairie, county of Kenosha and state of Wisconsin.

SUBJECT TO EASEMENT recorded in Volume "769" of Records, page 3, Document No. 500986, EASEMENT recorded in Volume "852" of Records, page 676, Document No. 534552 and EASEMENT recorded in Volume "852" of Records, page 672, as Document No. 534551.

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

To Have and to Hold the said premises as above described with the hereditaments and appurtenances, unto the said part Y of the second part, and to its successors FOREVER

And the said CECIL JOHN HILL AND BEVERLY HILL, husband and wife,-----

for themselves, their heirs, executors and administrators, do hereby covenant, grant, bargain, and agree to and with the said part Y of the second part, its heirs and assigns, that at the time of the sealing and delivery of these presents they are well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, excepting the 1974 Real Estate taxes which the grantee assumes and agrees to pay,

and that the above bargained premises in the quiet and peaceable possession of the said part Y of the second part, its heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof, they warrant and defend.

In Witness Whereof, the said part Y of the first part has hereunto set their hand and seal this 15th day of July, A. D. 1974

SIGNED AND SEALED IN PRESENCE OF

x Cecil John Hill (SEAL)
Cecil John Hill
x Beverly Hill (SEAL)
Beverly Hill
(SEAL)
(SEAL)

State of Wisconsin, Kenosha County, Personally came before me, this 15th day of July, A. D. 1974, the above named CECIL JOHN HILL AND BEVERLY HILL, husband and wife,

to me known to be the person or persons who executed the foregoing instrument and acknowledged the same to be their act and deed.

THIS INSTRUMENT WAS DRAFTED BY W. S. Thom

(NOTARY SEAL)

W. S. THOM
Notary Public, Kenosha County, Wis.
My commission expires (is) 10/1/75

Section 911.21 of the Wisconsin Statutes provides that all instruments to be recorded shall have plainly printed or typographical thereon the names of the grantors, grantees, witnesses and notary. Section 911.22 similarly requires that the name of the person who, as governmental agency which drafted such instrument, shall be printed, typographed, stamped or written thereon in a legible manner.

163633

No. _____
TO _____
Premises _____

Warranty Deed
These Instruments should immediately be recorded upon record to avoid future litigation.
REGISTRAR'S OFFICE,
State of Wisconsin,
Kenosha County.

Received for Record this 15th day of July, A. D. 1974
at 1:32 o'clock P.M. and recorded in Vol. 922, pages 67-74
Wilbur R. Jensen
Register of Deeds
Gaye R. Hill
Deputy

Wis Electric Power Co
231 W. Michigan St
Milwaukee Wis 53201
900

ATTACHMENT F.2

Certified Survey Map

A certified survey map does not appear to have been generated for the Site. The legal description for the Site is documented in the Kenosha County land record report included in ATTACHMENT F.2.



Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Billing Address	Report/Printer Owner
2016	Real Estate	92-4-122-164-0011	174 - VILLAGE OF PLEASANT PRAIRIE	8000 95TH ST	WISCONSIN ELECTRIC POWER CO 333 W EVERETT ST MILWAUKEE WI 53290-0001	List & Label © Version 19 Copyright combit® GmbH 1991 2013 WISCONSIN ELECTRIC POWER CO

Tax Year Legend: = owes prior year taxes = not assessed = not taxed Delinquent Current

Property Summary

Parcel #: 92-4-122-164-0011
 Alt. Parcel #:
 Parcel Status: Current Description
 Creation Date: 1/1/2002
 Historical Date:
 Acres: 403.290
 Zoning:

Property Addresses

Primary Address
 8000 95TH ST PLEASANT PRAIRIE

Owners

Name	Status
WISCONSIN ELECTRIC POWER CO	CURRENT OWNER

Parent Parcels

No Parent Parcels were found

Child Parcels

No Child Parcels were found

Workflow History and Messages

No Flag/Messages were found

Legal Description

604-D PT SE 1/4 SEC 9 & PT SEC 16 & PT N 1/2 SEC 21 T 1 R 22 LANDS LOCATED S OF BAIN STATION RD & N OF 95TH ST BETWEEN E ROW LN CHICAGO PACIFIC RR ON THE W & W ROW LN UNION PACIFIC RR ON E EXC THE S 616.48 FT OF E 1415.35 FT 403.29 AC (2002 COMB 91-4-122-094-0200, -094-0202, 92-4-122-161-0152, -163-0005, 163-0130, -164-0005, -164-0010, -164-0050, -164-0250, -211-0100, -212-0005 INTO 92-4-122-164-0011) DOC #1247215 DOC #1252360 DOC #1673557 EASMT

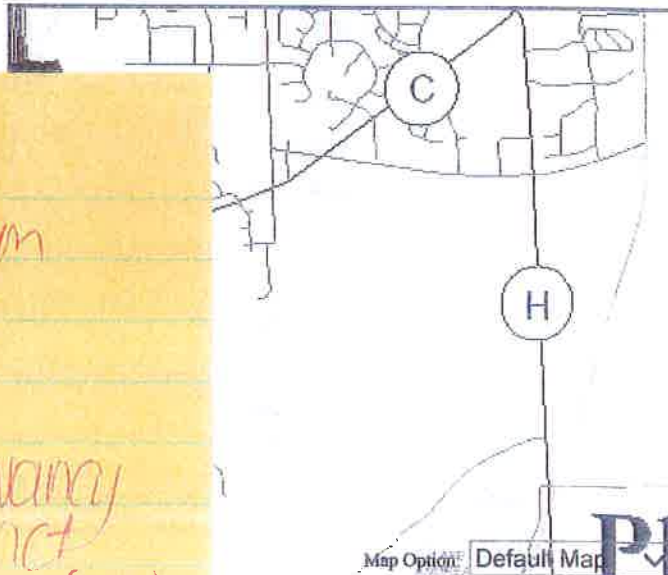
Public Land Survey - Property Descriptions

Primary	Section	Town	Range	Qtr 40	Qtr 160	Gov Lot	Block	LotType	Lot Plat
<input checked="" type="checkbox"/>	09	01 N	22 E		SE				METES AND BOUNDS

District

Code	Description	Category
	KENOSHA COUNTY	OTHER DISTRICT

GIS Map



Handwritten notes on yellow background:
 Zoned
 M4 - power generation district
 and
 C1 - lowland conservancy district
 Per Village of Pleasant Prairie (Jan)

ATTACHMENT F.3.

Verification of zoning

According to We Energies, Kenosha County zoning records indicate the Site is zoned C1 “lowland conservation district”. Verification of zoning documentation is included in **Attachment F.3.**



Tax Year	Prop Type	Parcel Number	Municipality	Property Address	Billing Address	Report/Printer Owner
2016	Real Estate	92-4-122-164-0011	174 - VILLAGE OF PLEASANT PRAIRIE	8000 95TH ST	WISCONSIN ELECTRIC POWER CO 333 W EVERETT ST MILWAUKEE WI 53290-0001	List & Label © Version 19 Copyright combit® GmbH 1991 2013 WISCONSIN ELECTRIC POWER CO

Tax Year Legend: = owes prior year taxes = not assessed = not taxed Delinquent Current

Property Summary

Parcel #: 92-4-122-164-0011
 Alt. Parcel #:
 Parcel Status: Current Description
 Creation Date: 1/1/2002
 Historical Date:
 Acres: 403.290
 Zoning:

Property Addresses

Primary Address
 8000 95TH ST PLEASANT PRAIRIE

Owners

Name	Status
WISCONSIN ELECTRIC POWER CO	CURRENT OWNER

Parent Parcels

No Parent Parcels were found

Child Parcels

No Child Parcels were found

Workflow History and Messages

No Flag/Messages were found

Legal Description

604-D PT SE 1/4 SEC 9 & PT SEC 16 & PT N 1/2 SEC 21 T 1 R 22 LANDS LOCATED S OF BAIN STATION RD & N OF 95TH ST BETWEEN E ROW LN CHICAGO PACIFIC RR ON THE W & W ROW LN UNION PACIFIC RR ON E EXC THE S 616.48 FT OF E 1415.35 FT 403.29 AC (2002 COMB 91-4-122-094-0200, -094-0202, 92-4-122-161-0152, -163-0005, 163-0130, -164-0005, -164-0010, -164-0050, -164-0250, -211-0100, -212-0005 INTO 92-4-122-164-0011) DOC #1247215 DOC #1252360 DOC #1673557 EASMT

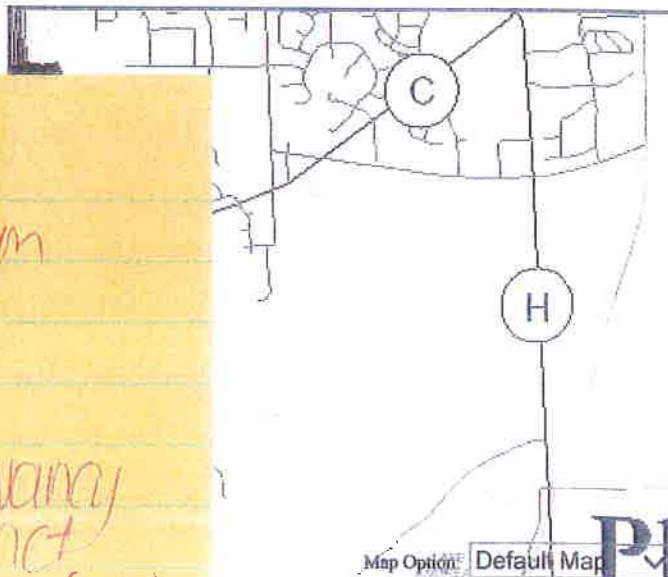
Public Land Survey - Property Descriptions

Primary	Section	Town	Range	Qtr 40	Qtr 160	Gov Lot	Block	LotType	Lot Plat
<input checked="" type="checkbox"/>	09	01 N	22 E		SE				METES AND BOUNDS

District

Code	Description	Category
	KENOSHA COUNTY	OTHER DISTRICT

GIS Map



Handwritten on yellow sticky note:
 Zoned
 M4 - power generation district
 and
 C1 - lowland conservancy district
 Per Village of Pleasant Prairie (Jan)

Map Options: Default Map

ATTACHMENT F.4.

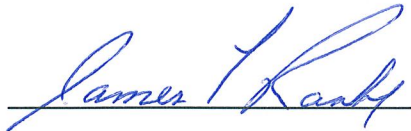
Signed Statement

The signed statement is included in **Attachment F.4.**

LEGAL DESCRIPTION STATEMENT

PLEASANT PRAIRIE POWER PLANT
8000 95TH Street
Pleasant Prairie, Wisconsin 53158
WDNR BRRTS #02-30-576938
WDNR FID#230006260

The legal descriptions which are cited in Attachment F of this Closure Documentation Package are believed to be inclusive of the site based on my current understanding. The site is located on the RR Sites Map with WTM coordinates of 692043, 231522 (Case Closure-GIS Registry form Attachment B.1.c).



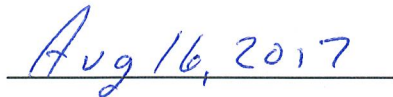
Signature

James Raabe

Name

Manager Property Management

Title



Date

ATTACHMENT G.
Notifications to Owners of Impacted
Properties

Not applicable. There were no other properties impacted by this release.