State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Sturtevant Service Center
9531 Rayne Road, Suite 4
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

July 3, 2012

WE Energies
Attn: Mr. C. Luke Peters
333 W. Everett St.
Milwaukee, WI 53203

Subject: Closure Review for Pleasant Prairie Power Plant Tractor Garage Refueling Area, 8000 95th St., Kenosha, WI FID 230006260, BRRTS 03-30-210485

Dear Mr. Peters:

The Department received the request for site closure for the above noted property on April 2, 2012. After reviewing the documentation provided the Department requested several additional items to complete the closure review. On June 12, 2012 the additional information was received in the Sturtevant office. No further investigation or remediation is required at this time. This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code.

The above noted property is an operating coal fired power plant located in a semi-industrial area in Pleasant Prairie, Wisconsin. There does not appear to be any plans in the near future for changing the use of the property to anything other then a power plant. The monitoring wells that were sampled in association with this investigation will remain in place and continue to be sampled in conjunction with a larger groundwater concern at the property.

If the property is ever not a power plant and does not have an industrial use then additional soil and groundwater samples will be necessary. However at this time no additional investigation is required in regards to the Tractor Garage Refueling Area.

The Department appreciates your efforts in addressing this environmental concern. If you have any questions regarding this letter feel free to contact me at 262-884-2341.

Sincerely,

Shanna L. Laube-Anderson
Hydrogeologist
Sturtevant Service Center

We Energies
231 W. Michigan St.
Milwaukee, WI 53203
www.we-energies.com

June 7, 2012

State of Wisconsin
Department of Natural Resources
Attn: Shanna Laube-Anderson
9531 Rayne Road, Suite 4
Sturtevant, WI 53177

Subject: Closure Review for Pleasant Prairie Power Plant Tractor Garage Refueling Area, 8000 95th St., Kenosha, WI FID 230006260, BRRTS 03-30-210485

Dear Ms. Laube-Anderson:

We are submitting this letter in response to your letter dated May 9, 2012 requesting additional information regarding our closure request for the above referenced project.

The DNR comments are italicized below:

1. *A map that clearly identifies the location of where on the 20 acre parcel this investigation was performed.*

   The map is included in Attachment A.

2. *Correct Table #1, Title: We Energies P4 Site Investigation Soil Sample Analytical Results, PAH's, this table does not include the boring numbers for the sample results. Also be sure to include the NR 720 RCLs on the table.*

   Final Table #1 is included in Attachment B.

3. *Please adjust the units on both the VOC and PAH tables to be in the same units.*

   Final Table #1 is included in Attachment B.

4. *Determine if a Soil GIS is necessary, it does not appear that one of your borings had PAH exceedances for several compounds.*

   Based on review of the laboratory results, we have determined that the exceedance in Boring B3-1 was not found in the duplicate sample nor in the deeper sample collected from B3; therefore a soil GIS should not be required for the UST closure for this site.

5. *Please include tables for the groundwater samples that were also collected. Be sure that the monitoring wells that were samples were sampled in conjunction with this investigation are also included on the maps.*

   Table #2, Title: We Energies P4 Groundwater Sample Analytical Results is included in Attachment B.

   MW-1, P-2, and MW-3 which were sampled in conjunction with this investigation are included on the map in Attachment A.

Thank you for your consideration and assistance with this project.

Sincerely,

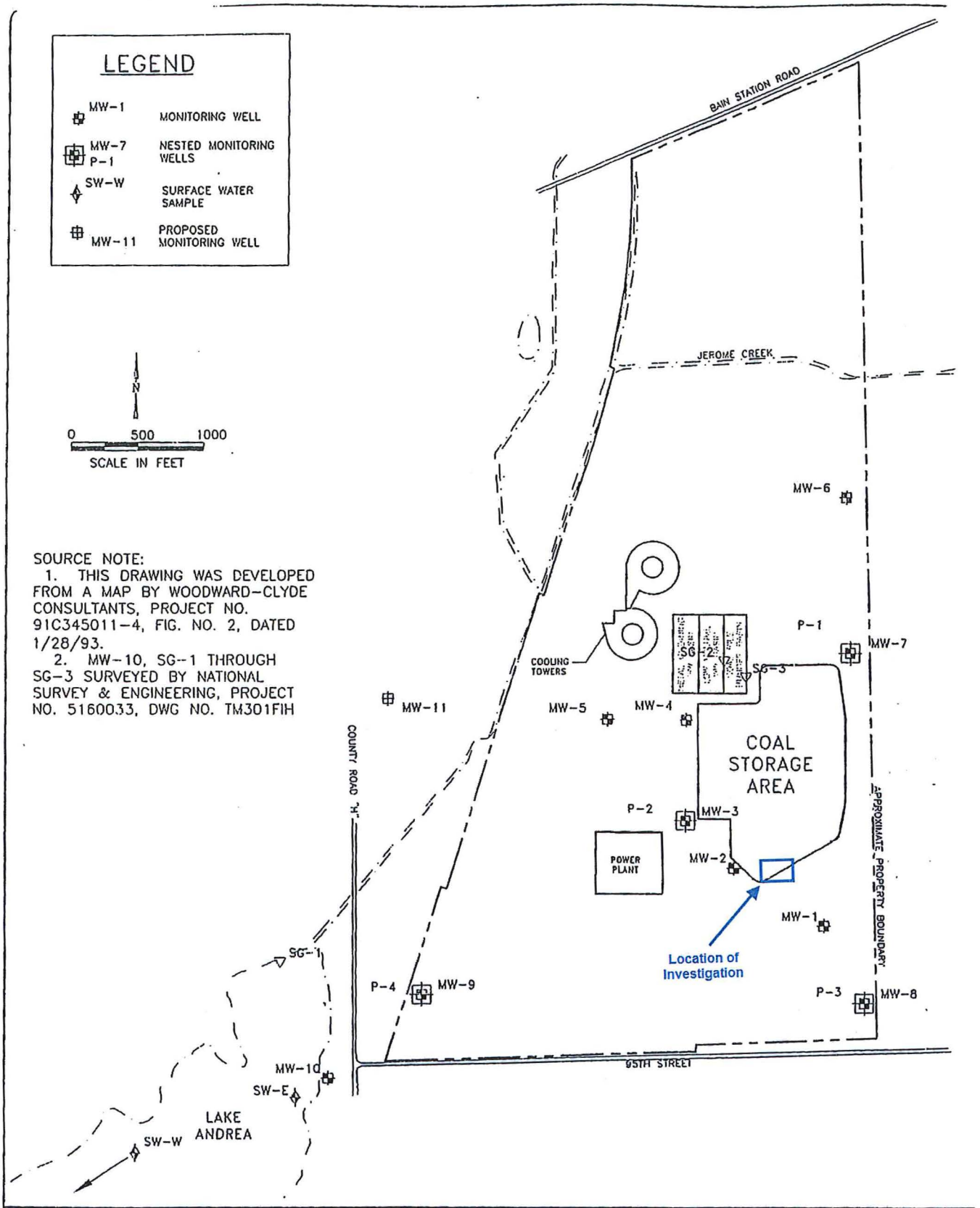
C Luke Peters

C. Luke Peters
We Energies – Environmental

ATTACHMENTS:
ATTACHMENT A: MAPS
ATTACHMENT B: TABLES

ATTACHMENT A

MAPS



SITE LAYOUT

COAL AREA MONITORING REPORT
WE ENERGIES
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY: HMS 06/14/06 APP'D BY: CAR DATE: 08/16/06

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 1580/2.0

DRAWING NO. 1580-2-A02

FIGURE NO. 2

ATTACHMENT B

TABLES

Table # 1, Title: We Energies P4
Soil Sample Analytical Results

			VOCs							PAHs						
Sample #	Depth (ft bgs)	Date Collected	PID (ppm eq)	DRO	GRO	Ethylbenzene	Naphthalene	Trimethylbenzene	Xylene	Acenaphthene	Acenaphthylene	Anthracene	Chrysene	Fluorene	Phenanthrene	Pyrene
B1-1	**2-4'**	11/14/2011	<10	5.1	7.8	<0.043.1	0.11	0.07	<0.13	<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
B2-1	**2-4'**	11/14/2011	<10	4.8	3.0	<0.025	0.05	<0.025	<0.05	<2.7	<3.1	<4.6	<3.5	<4.9	<4.3	<3.6
B3-1	**2-4'**	11/14/2011	<10	24.0	120.0	0.15	1.25	0.69	0.48	54.30	4.70	29.30	6.50	94.70	**163.00**	40.30
B3-1D	**2-4'**	11/14/2011	<10	NS	NS	0.15	<0.09	1.03	0.64	<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
B3-2	**8-10'**	11/14/2011	<10	1.7	12.6	<0.05	0.19	0.06	<0.13	<2.8	<3.1	<4.6	<3.6	<4.9	5.50	<3.6
B4-1	**2-4'**	11/14/2011	<10	1.8	<5.5	<0.05	<0.05	<0.05	<0.09	<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
B4-2	**8-10'**	11/14/2011	<10	2.1	12.2	<0.06	0.18	0.06	<0.09	<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
NR 720				250	250	2.9	1,100	NS	4	900	18	5,000	8.8	600	18	500

NOTES: All results in parts per million (ppm) unless otherwise noted

Bold samples equal or exceed the Enforcement Standards
Italic samples equal or exceed the Preventive Action Limits
(ft bgs) = feet below ground surface
VOCs = volatile organic compounds
Metals = Resource Conservation Recovery Act (RCRA) Metals
PAHs = polynuclear aromatic hydrocarbons
NA = not analyzed
NS = no standard

Only parameters detected in at least one sample are shown in this table.

Table # 2, Title: We Energies P4
Groundwater Sample Analytical Results

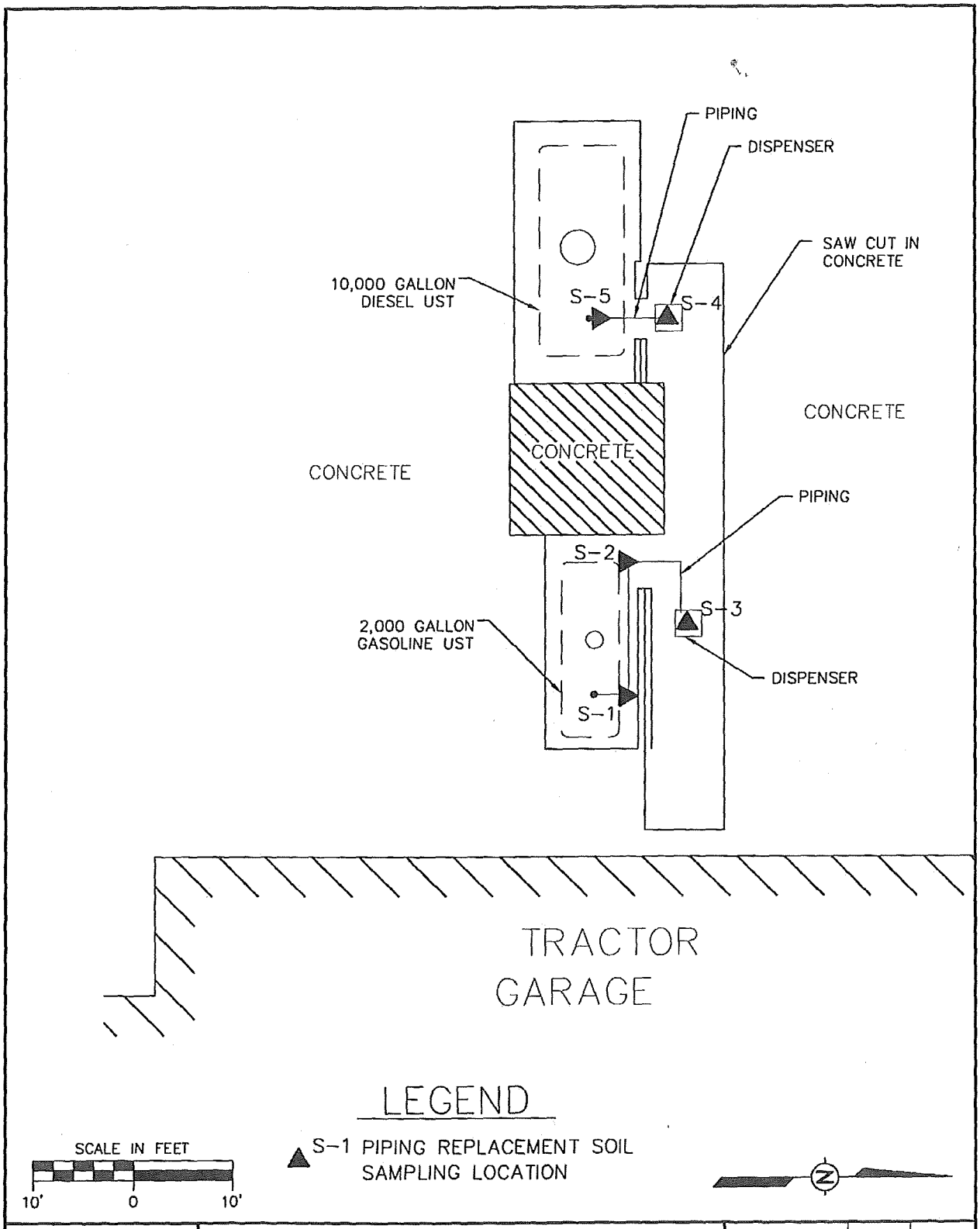
		PAHs										
Sample #	Date Collected	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Fluoranthene	Naphthalene	Phenanthrene	Pyrene
MW-1	12/1/2011	<0.0057	<0.0036	<0.0029	<0.0034	<0.0048	<0.0044	0.0052	<0.0044	0.0072	0.0084	<0.0047
P-2	12/1/2011	0.0070	*0.0064*	0.0061	0.0061	0.0062	0.0061	0.011	0.016	0.0074	0.020	0.014
MW-3	12/1/2011	<0.0062	<0.0039	<0.0031	<0.0037	<0.0052	<0.0047	0.0041	<0.0048	0.015	<0.0088	<0.0051
NR 140 ES		3000	0.048	0.2	0.2	0.48	0.48	0.2	400	40	4.8	250
NR 140 PAL		600	0.0048	0.02	0.02	0.096	0.048	0.02	80	8	0.96	50

NOTES: All results in parts per billion (ppb) unless otherwise noted

Bold samples equal or exceed the Enforcement Standards
Italic samples equal or exceed the Preventive Action Limits
(ft bgs) = feet below ground surface
VOCs = volatile organic compounds
Metals = Resource Conservation Recovery Act (RCRA) Metals
PAHs = polynuclear aromatic hydrocarbons
NA = not analyzed
NS = no standard

Only parameters detected in at least one sample are shown in this table.

\PROJECTS\85863XA\G55863000.dwg Tue Dec 22 16:02:50 1998 STS MILWAUKEE, 53224



STS Consultants Ltd.
Consulting Engineers

SOIL SAMPLING LOCATIONS
TRACTOR GARAGE REFUELING AREA
WISCONSIN ELECTRIC
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY	SNL	12/7/98
CHECKED BY	KWY	12/7/98
APPROVED BY	TWY	12/7/98
CADFILE G55863000	SCALE AS SHOWN	
STS PROJECT NO. 85863XA	FIGURE NO. #2B	

Table 1
Soil Sampling Results - Piping Replacements
Tractor Garage Refueling Area
Wisconsin Electric - Pleasant Prairie Power Plant
STS Project No. 85863XA

Sample No.	S-1	S-2	S-3	S-4	S-5
Sample Depth	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface
Soil Description	Crushed stone, some gravel	Crushed stone, some gravel	Crushed stone, some gravel	crushed stone Some Gravel	crushed stone Some Gravel
Odor?	Petroleum	Petroleum	Petroleum	Petroleum	Petroleum
PID Reading (IU)	620	160	260	160	250
DRO, mg/kg	3,320 (D1, D2A)	3,910 (D1)	6,600 (D1)	12,100 (D1)	19,500 (D1)
GRO, mg/kg	777 (G2, G6)	481 (G3, G6)	777 (G3, G6)	NA	NA

NOTES:

1. DRO - Diesel Range Organics (WI. Modified Method).
2. GRO - Gasoline Range Organics (WI. Modified Method).
3. mg/kg - milligrams per kilogram, or parts per million.
4. Sample depths shown in feet below ground surface.
5. Field PID (IU) - Photoionization Detector result. IU - Instrument Units, similar to ppm.
6. NR 720 RCL = Residual Contaminant Level = 1) the NR 720 Table 1 generic RCL = 100 for DRO
7. 101 = NR 720 RCL exceedance
8. Samples analyzed by U.S. Filter/Enviroscan laboratory in Rothschild, WI
9. See Figure 2 for sampling locations.
10. D1-The chromatogram is charateristic for a fuel oil/diesel. (i.e. # 1 or #2 diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
11. D2A-The chromatagram is characteristic for a light petroleum product. (I.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
12. G2- The chromatagram has characteristics of an aged gasoline sample.
13. G3 - The chromatogram is not distinct for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
14. G6- The cromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
15. NA - Not analyzed

7.0 PROJECT SUMMARY

The following summary is based on the observations, activities, and findings of the piping replacement and closure assessment:

- A total of 27 feet of buried steel piping which connected two separate USTs to two separate dispensers was replaced with flexible piping at the tractor garage refueling area at WE's Pleasant Prairie Power Plant.
- Prior to replacement, surplus product was drained from the piping back to the UST.
- No sludge was generated from the piping replacement.
- Groundwater was not observed during the piping replacement activities.
- Physical evidence of a release, including odors, soil discoloration and elevated PID values, were noted in the tank/cavity backfill material.
- STS collected three soil samples for GRO testing and five samples for DRO from the tank/piping backfill to begin evaluating the magnitude and extent of the release.
- DRO was detected in all samples tested for DRO at concentrations ranging from 3,320 mg/kg to 19,500 mg/kg.
- GRO was detected in all samples tested for GRO at concentrations ranging from 481 mg/kg to 777 mg/kg.
- Based on field observations and laboratory testing results, a release has occurred to the tank/piping backfill material.
- WE reported the release to the WDNR.

8.0 RECOMMENDATIONS

A site investigation must be performed in accordance with NR716, WAC to determine the lateral and vertical extent of contamination in the area of the former piping. A Work Plan for completing the site investigation must be submitted to the WDNR.

A copy of this report must be submitted to:

Mr. Michael Farley
Wisconsin Department of Natural Resources
4041 North Richards Street, Box 12436
Milwaukee, Wisconsin 53212-0436

APPENDIX

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Sturtevant Service Center
9531 Rayne Road, Suite 4
Sturtevant WI 53177

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

May 9, 2012

WE Energies
Attn: Mr. Mark Collins
333 W. Everett St.
Milwaukee, WI 53203

Subject: Request for Additional Information to Complete Closure Review for Pleasant Prairie Power Plant Tractor Garage Refueling Area, 8000 95th St., Kenosha, WI FID 230006260, BRRTS 03-30-210485

Dear Mr. Collins:

The Department received the request for site closure for the above noted property on April 2, 2012. After reviewing the documentation provided the Department is requesting the following additional items in order to complete the review.

1. A map that clearly identifies the location of where on the 20 acre parcel this investigation was performed.
2. Correct Table#1, Title: We Energies P4 Site Investigation Soil Sample Analytical Results, PAH's, this table does not include the boring numbers for the sample results. Also be sure to include the NR 720 RCLs on the table.
3. Please adjust the units on both the VOC and PAH tables to be in the same units.
4. Determine if a Soil GIS is necessary, it does appear that one of your borings had PAH exceedences for several compounds.
5. Please include tables for the groundwater samples that were also collected. Be sure that the monitoring wells that were sampled in conjunction with this investigation are also included on the maps.

Once these items are received in this office a complete closure review can be performed. The Department will pause this site, no a closure denial, until the additional information is received.

Feel free to contact me if you have any questions, 262-884-2341.

Sincerely,

Shanna L. Laube-Anderson
Hydrogeologist
Sturtevant Service Center

Cc: Linda Fellenz, LF Green Development, LLC, PO Box 370888, Milwaukee, WI 53237

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

Case Closure Request
Form 4400-202 (R 8/09)

WDNR BRRTS CASE # 03 - 30 - 210485 VS WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
Remediation and Redevelopment Program

This form is intended to provide instructions and a list of information that must be submitted for evaluation for case closure, each time a request is made. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

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

In order to expedite the closure process, provide a complete and accurate closure package according to the following instructions, each time a closure decision is requested:

- Submit the Case Closure Request form and the required attachments as a stand-alone, unbound package. Include all information requested per section, as appropriate to the site, in the order shown. Include all attachments per section, as appropriate. Do not attach previously submitted reports. Correctly reference any reports in the case summary, as applicable.

- Include fees with this request at the time it is submitted to the department in order for the application to be considered complete.

- Specify your selected closure option.

- **Use forms 4400-245 and 4400-246 for Section H.** Include all **GIS Registry information** (in Section H) as a stand-alone document (*do not refer to materials in other attachments*). Include copies of all off-source property and ROW notifications.

- Place a √ (attached) or NA (not applicable) in the blank next to each attachment, in each section**.**

- Include a maintenance plan**,** if it is required for the implemented remedial action.

- **Maps for the GIS Registry may not be larger than 8.5 x 14 inches,** unless maps are submitted in electronic form in portable document format (pdf) readable by the Adobe Acrobat Reader. For electronic document submittal requirements, see http://dnr.wi.gov/org/aw/rr/archives/pubs/RR690.pdf**.**

- Prepare maps according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d. Prepare visual aids, including maps, plans, drawings, cross sections, fence diagrams, tables and photographs according to s. NR 716.15(2)(h**)**1. – 4.

- **Use a bold font** on information of importance on tables, maps and figures. A **bold font (for ES exceedances**) and *italics (for PALs*) are preferred when differentiation is necessary. **Please do not use shading or highlights** on any of the analytical tables (per s. NR 726.05(3) and maps as the shading obscures the information that is scanned for inclusion in the GIS Registry.

- Put multiple tables submitted for contaminated media data (eg. pre- and post-remedial data) in chronological order. Include the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)). Summaries of all data should 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(2)(g)3 in the format required in s. NR 716.15(2)(h)3.

- Document free product recovery estimates as required in s. NR 708.15, if applicable.

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

Section A: Case History and Closure Pathway Selected

ATTACHMENTS:

__X__ A brief site summary including results of all investigative activities, interim and remedial actions taken, a description of any residual soil and/or groundwater contamination and their locations, a description of any other media affected, and a description of how actual and potential impacts to receptors have been addressed.

__X__ Site location map on USGS topographic base map.

__X__ Site map including buildings, utilities, property lines of source property and impacted non-source properties, ground cover and supply wells, including any municipal wells. *These maps may be combined.*

__NA__ Verification of the zoning for affected properties.

INFORMATION NEEDED:

1. Site Name Pleasant Prairie Power Plant Tractor Garage Refueling Area
   Street Address: 8000 95th Street
   City/Zip Code: Pleasant Prairie, Wisconsin, 53158
2. BRRTS #: 03-30-210485
3. DNR FID #: 230006260 PECFA Claim#: NA
4. Responsible Party Name We Energies
   Mailing Address: 333 W. Everett Street City/Zip Code: Milwaukee, WI 53203
   Phone number: 414-221-2162 E Mail Address: mark.collins@we-energies.com
   Contact Person: Mark Collins
5. Date of Incident/Discovery: December 1998 Contaminant Type(s): Petroleum
6. Quantity Released: Unknown
7. Land Use:
   Current : ____ Residential ____ Commercial __X__ Industrial ____ Other
   If other, specify:
   Planned Post Remediation : ____ Residential ____ Commercial __X__ Industrial ____ Other
   If other, specify: NA No remediation planned
8. Is a zoning change required? ____Y __X__N
   If so, has it been completed for post remedial land use? ____Y ____N
9. __>100__ Acres ready for use (The total area in acres of all adjacent tax parcels owned by the same entity on the site where the contamination originated, rounding fractions to nearest .5 acre and noting >100 acres for acreages above 100 acres. For multiple discharges that are cleaned up concurrently, count the acres once.)
10. Geographic Coordinates (meters/ WTM83/91) E 692069 N 231552
11. Method Used to Obtain Geographic Coordinates:
    ____ On-site using GPS equipment, converted or projected into WTM83/91 coordinates
    ____ Used county web map site to get coordinates
    __X__ Used RR Sites Map web site to get WTM83/91 coordinates
    ____ Other (specify):
12. Groundwater Contamination Remaining (>ES):
    On Source Property __**X**__Y ____ N Not Related to this Release See File for BRRTS # 02-30-527479
    Off Source Property __**X**__Y ____ N Not Related to this Release See File for BRRTS # 02-30-527479
13. Residual Soil Contamination > Generic or Site-Specific RCL:
    On Source Property ____Y __X__ N
    Off Source Property ____Y __X__ N
14. Contamination in Right of Way: ____Y __X__ N
15. Closure Pathway Selected: check all that apply

CLOSURE via NR 726	
Soil	Groundwater
___ < s. NR 720.09/720.11 Generic RCLs	___ < s. NR 140.10 Table 1 & Table 2 Values
___ s. NR 720.19(2) Soil Performance Standards	___ s. NR 140.28(2) PAL Exemption
___ s. NR 720.19(4) Groundwater Pathway	___ s. NR 726.05(2)(b), ≥ ES Natural Attenuation
__X__ s. NR 720.19(5) Direct Contact	

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

___s. NR 720.19(6) Other Pathways	

CLOSURE via NR 746 and NR 726	
Petroleum Storage Tank **Soil** Options for Closure:	
___s. NR 746.07 Requirements Met-Post Investigation	
___s. NR 746.08 Requirements Met-Post Remed.	
Petroleum Storage Tank **GW** Options for Closure:	Petroleum Storage Tank **GW** Options for Closure:
Within Permeable Material:	Within Low Permeability Material:
___s. NR 746.07(3) ≥PAL <ES, Post Investigation	___s. NR 746.07(2), Post Investigation
___s. NR746.07(4) >ES, Post Investigation	___s. NR 746.08(2), Post Remediation
___s. NR 746.08(3)≥ PAL, <ES, Post Remediation	
___s. NR 746.08(4) >ES, Post Remediation	

Section B: Receptor Summary

ATTACHMENTS:
__NA__ Notification(s) regarding contamination in ROW
__NA__ Notification(s) to off-source property owners regarding sampling results

INFORMATION NEEDED:
1. Identify **all** pre-remedial actual receptors, the assessed risk and their locations (e.g., both on- and off-site utility corridors, basements or sumps of nearby buildings, direct contact threat from soil, water supplies, surface waters, sediments, vapors, etc.) *For definitions, refer to s. NR 700.03 (47), Wis. Adm. Code.*

NONE

2. Have the remedial actions addressed the potential or actual impacts to these receptors?
__NA__ (Details in the case history summary (Section A)).
If no, please identify the nature of the remaining risk and the receptor at risk, if any:

Section C: Soil Investigation Information

ATTACHMENTS:
__X__ Complete soil data summary table of field screening and laboratory analytical results, including all detects, regardless of ch. NR 720 standards, with dates, sample locations, depths and detection limits. Identify exceedances.
__X__ Map(s) of all pre-remedial soil sampling locations: depicting all soil sample locations relative to site facilities. Note in bold font those sample locations that exceed ch. NR 720 RCLs (including free product location) and delineate the extent of contamination.
__NA__ Pre-remedial geologic cross-sections; including geology, source location(s), extent of soil and groundwater contamination, free product location/depth, soil sample locations, water table elevation, and bedrock elevation, if encountered.

INFORMATION NEEDED:
1. Extent Defined? __X__Y ____N If not, explain why. ____
2. Soil Type(s): Silty clay
3. Depth of Contamination: Top: NA Bottom: NA
4. Type of Bedrock: Granite Depth to Bedrock: > 100 feet
5. Is Any Contaminated Soil (Unsaturated or Saturated) in Contact With the Bedrock? ____Y __X__ N

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

6. Measurable Free Product? ____Y __X__ N Depth/Location: _____

Section D: Soil Remediation Information

ATTACHMENTS: **NA**

__NA__ Map showing remediated area (for example, excavation limits or area influenced by SVE) and locations of post-remediation soil samples (if any). This map should show the locations and extent of residual soil contamination exceeding ch. NR 720 RCLs. These samples should be noted in bold font. *A copy of the map(s) from Section H(form 4400-245) may be used.*

__NA__ Soil disposal documentation

__NA__ NR 720.19 analysis, assumptions and calculations for site specific RCLs (SSRCLs) , with justification

__NA__ Calculations and results of EPA Soil Screening Level Model.

__NA__ Post-remedial cross-section(s) with post remedial soil sampling results, if soil removal or treatment has occurred. Identify sample results and depths. *A copy of the cross-section(s) from Section H(form 4400-245) may be used or you may refer to the cross-section(s) in Section E, as appropriate.*
____see Section E

INFORMATION NEEDED: **NA**

1. Remedial Action Completed? ____Y ____N
2. Were immediate or interim actions conducted? ____Y ____N If yes, what action was taken?
   _____
3. Brief description of remedial action taken: _____
4. Were soils excavated? _____Y ____N
   Quantity: _____ Disposal Method: _____
5. Final Confirmation Sample Collection Methods:
   _____
6. Final Soil/Drill Cuttings Disposal Location:
   _____
7. Estimated volume and depth of in situ soils exceeding ch. NR 720 Table RCLs or Site Specific RCLs:
   _____ _____
8. Estimated volume and depth of in situ soils exceeding ch. NR 746 Table 1 or Table 2 or Site Specific RCLs (*underground petroleum tank systems, as defined in ch. NR 746 only*):
   _____
9. s. NR 720.19 Analysis? _____Y _____N
   ___ Performance Standard -NR 720.19(2)
   ___ SSRCL - NR 720.19(3) and (4),(5) or (6)
10. If the remedy includes a Soil Performance Standard, what type?
    ___Cap ____ Soil ____Building ____ Natural Attenuation of Groundwater ____Other
    Specify other: _____Parking lot constructed of hard pack gravel and concrete _____
11. Will the maintenance of the SPS be consistent with the planned post remediation land use?
    _____Y _____N If No, please explain: _____
12. Is the EPA Soil Screening Level Model used as justification for closure of sites with residual contaminated soils?
    ____ Y _____N Are the input numbers used: _____ Site Specific , or _____ WI Defaults?

Section E: Groundwater Information

ATTACHMENTS:

__X__ Table identifying all contaminants, summarizing all pre- and post-remediation groundwater analytical results, with sample collection dates *(prepared in accordance with guidance document RR-628)*

__X__ Groundwater sample location map showing the site facilities and all monitoring wells, sumps, extraction wells, and potable and non-potable wells.

__NA__ Isoconcentration map(s) when included as part of the site investigation or map(s) of the horizontal extent of contamination based on most recent data. *A copy of the map(s) from Section H (from 4400-245) may be used.*

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

NA A map showing groundwater flow direction(s) and summarizing the maximum variation in flow direction. *Multiple maps may be used. A copy of the map(s) from Section H (form 4400-245) may be used.*

X A table summarizing all groundwater elevations, with dates, and top and bottom elevations of well screens. (*Wells are to be referenced to national geodetic survey datum, as per NR 141.065(2)).*

NA Graphs and statistical analyses which demonstrate the dynamics of the groundwater plume, for sites requesting closure using natural attenuation that meet the criteria s. NR 726.05(2)(b) or of s. NR 746 (permeable soils). *Refer to WDNR publication RR-614 for guidance.*

NA Geologic cross-sections showing extent of residual soil and/or groundwater contamination, as applicable. *A copy of the cross-section(s) from Section H, (form 4400-245) may be used.*

INFORMATION NEEDED:

1. Extent of Contamination Defined? X Y ____ N ____ N/A
2. Remedial Action Completed? ____ Y ____ N X N/A
   Brief Description of Remedial Action Taken: _____
3. Depth(s) to Groundwater_____ Flow Direction(s): _____
4. Field Analyses? X Y ____ N
   Lab Analyses? X Y ____ N
5. 1 # of Sample Rounds
   3 # of Sampling Points
   3 # NR 141 Monitoring Wells Sampled
   0 # Temporary GW Sampling Points Sampled
   0 # Recovery Sumps Sampled
   0 # Municipal Wells Sampled
   0 # Private Wells Sampled
6. Was DNR notified of substances in groundwater without standards? ____ Y ____ N X N/A
   If yes, how many? _____ What substances? _____
7. Preventive Action Limit currently exceeded? ____ Y X N If yes, identify location(s)
8. Enforcement Standard currently exceeded? ____ Y X N If yes, identify location(s)
9. Measurable free product detected? ____ Y X N Pre-remediation
   ____ Y X N Post-remediation
10. Was free product remediated? ____ Y ____ N X N/A
    Method:_____
    Purge water or free product-groundwater mixture disposal method?
    _____
11. Potable wells within 1200 feet of site? ____ Y X N
    Have they been sampled? ____ Y ____ N X N/A
    Type (i.e. municipal, private, etc.)?_____
    [NOTE: Include wells on *groundwater well location map*]
12. Has DNR been provided with **all** results of private well sampling? ____ Y ____ N X N/A
13. Have well owners/occupants been notified of results? (*Sec. B Attachments*) ____ Y ____ N X N/A
    (*Results also need to be sent to the DNR Water Supply Specialist)*
14. Are there any monitoring wells that have not been located for abandonment? ____ Y ____ N X N/A
15. Identify the property address(es) where the missing well is located: _____

Section F. Other Contaminated Media Information:

ATTACHMENTS:

NA Table of analytical results for all contaminants for media other than soil or groundwater

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

INFORMATION NEEDED: **NA**

1. Have other media been impacted (either on-site or off-site e.g. sediment, utilities, air)? _____Y _____N
   Briefly describe type and extent of **all** contamination found in media other than soil or groundwater:
   _____
   _____
2. Remedial action completed? _____Y _____N _____N/A
   Brief description of remedial action taken: _____
   _____
3. # of Post Remedial Sample Rounds: _____
   # of Sampling Points: _____
   Field Analyses? _____Y _____N
   Lab Analyses? _____Y _____N

Section G. Associated Site Closure Information:

ATTACHMENTS:

NA Construction documentation or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), in accordance with s. NR 724.15.

NA Maps and photos documenting the cap area, and/or integrity of the cap, with date.

NA Description of any soil performance standard cover system used, including a description of how it meets the requirement to be protective until residual contaminant concentrations no longer pose a threat to public health, safety, welfare or the environment, per s. NR 720.19(2), s. NR 722.09(2) and (3).

NA Maintenance plan associated with 292.12 land use control or for performance standard remedy. (per ss. NR 720.19(2) and 724.13(2))

INFORMATION NEEDED:

1. Enforcement actions closed out? ____Y _____N __X__N/A
2. Permits closed out? ____Y _____N __X__N/A
3. Describe how the following pathways are protected:
   a) Direct Contact Pathway: _____
   _____
   b) Groundwater: _____
   _____
   c) Other: _____
   _____

Section H. Required GIS Registry Information: Use form 4400-245, GIS Registry Checklist, and form 4400-246, Impacted Off-Source Property Information. Submit these forms and their attachments with this closure request form.

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

I certify that, to the best of my knowledge, the information presented on and attached to this form is true and accurate. This recommendation for case closure is based upon all available data as of 3/20/12 (date). I have read the Case Closure Request Form instructions and all required information has been included.

Form Completed By: Linda J Fellenz (Signature) 3/28/12 (Date)

X $750.00 Closure Review Fee Attached
____ $250.00 GIS Registry Maintenance Fee Attached (GW and/or monitoring well to be abandoned)
____ $200.00 GIS Registry Maintenance Fee Attached (Soil)

Printed Name: LINDA J FELLENZ

Company Name: LF GREEN DEVELOPMENT, LLC

Email address: lfellenz@lfgreendevelopment.com

If not site owner, relationship to site owner: Consultant

Address: PO Box 370888 City/Zip Code Milwaukee, WI 53237

Telephone Number: (414) 254-4813 FAX Number: (414) 763-5499

Source Property Owner's Name (if different from person conducting the cleanup):
Wisconsin Electric Power Company d.b.a. We Energies

Address: 333 W. Everett St. - A 231 City/Zip Code Milwaukee, WI 53203

Telephone Number: (414) 221-2162 Email Address: mark.collins@we-energies.com

Environmental Consultant (if different than above):

Address: City/Zip Code

Email Address:

Telephone Number: ( ) FAX Number: ( )

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

FOR DEPARTMENT USE ONLY

PROJECT MANAGER: _____ Date Reviewed: _____

( ) Approved ( ) Denied ( ) Sent to Committee (Date: _____)

CLOSURE COMMITTEE DECISION ON CLOSURE:

FIRST COMMITTEE REVIEW DATE: _____ **( ) Approved ( ) Denied**

_____	_____	_____	_____
(Signature)	(Signature)	(Signature)	(Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved With:**

- _____ No Restrictions
- _____ Listing on GIS Registry due to Groundwater impacts
- _____ Listing on GIS Registry due to Soil impacts
- _____ Zoning Verification
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ NR 140 Exemption For: _____
- _____ VPLE Insurance needed
- _____ ROW notification needed
- _____ Cap required, maintenance plan needed for cap
- _____ Structural Impediment – notification and investigation needed if change in land use
- _____ Maintain Zoning - Industrial Land Use soil standards applied
  - notification needed if change in land use
- _____ Site Specific Closure Letter
- _____ Deed Restriction
- _____ Deed Notice
- _____ Other

Conditions/Comments: _____

_____

_____

_____

_____ **Closure Denied, Needs More:**

- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation of Soil Landspreading or Biopile Destiny

Specific Comments:

WDNR BRRTS CASE # 03 - 30 - 210485 WDNR SITE NAME: WEPCO Pleasant Prairie Power Plt

FOR DEPARTMENT USE ONLY

PROJECT MANAGER: _____ Date Reviewed: _____

( ) Approved ( ) Denied ( ) Sent to Committee (Date: _____)

CLOSURE COMMITTEE DECISION ON CLOSURE:

SECOND COMMITTEE REVIEW DATE: _____ ( ) Approved ( ) Denied

_____	_____	_____	_____
(Signature)	(Signature)	(Signature)	(Signature)

COMMITTEE RECOMMENDATION:

_____ **Closure Approved With:**

- _____ No Restrictions
- _____ Listing on GIS Registry due to Groundwater impacts
- _____Listing on GIS Registry due to Soil impacts
- _____ Zoning Verification
- _____ Deed Restriction
- _____ Deed Notice
- _____ Site Specific Close Out Letter
- _____ Well Abandonment Documentation
- _____ Soil Disposal Documentation
- _____ NR 140 Exemption For: _____
- _____VPLE Insurance needed
- _____ Other Conditions/Comments:_____

_____

_____

_____

_____ **Closure Denied, Needs More:**

- _____ Investigation
- _____ Groundwater Monitoring
- _____ Soil Remediation
- _____ Groundwater Remediation
- _____ Documentation of Soil Landspreading or Biopile Destiny
- _____Specific Comments: _____

_____

_____

_____

BRRTS Treeview Details

- LOCATION/FACILITY
  - NAME: WE ENERGIES PLEASANT PRAIRIE STATION
  - ADDRESS: 8000 95TH ST
  - MUNICIPALITY: PLEASANT PRAIRIE
  - COUNTY: KENOSHA
  - REGION: SE
  - FID: 230006260
  - NO BANKRUPTCY OR LIENS
  - RR ACTIVITIES [11]
    - 03-30-210485 WEPCO PLEASANT PRAIRIE POWER PLT
    - TYPE: LUST
    - START: 12/29/1998
    - END: None
    - ADDL ADDRESS: None
    - COMMENT: None
    - FILE LOCATION: None
    - DNR MGMT REGION: SE
    - DSN: 210485
    - DSPS NUMBER: None
    - CREATED 01/15/1999 08:41:10 by FARLEM
    - UPDATED 04/03/2012 09:45:10 by S71584
    - ACTIONS [10]
      - 12/29/1998 - 1 Notification :
      - 01/15/1999 - 2 RP Letter Sent :
      - 02/18/1999 - 33 Tank Closure Environmental Site Assessm
      - 08/11/2011 - 200 Push Action Taken : DISCUSSED SITE STA
      - 08/25/2011 - 99 Miscellaneous : CONSULTANT RETAINED TO
      - 09/07/2011 - 130 DNR Regulatory Reminder Sent : Vapor I
      - 10/17/2011 - 35 Site Investigation Workplan Received (w
      - 11/09/2011 - 300 Informal Review Performed for a Non-Fe
      - 03/29/2012 - 37 SI Report Received (w/out Fee) :
      - 03/29/2012 - 79 Closure Review Request Received with Fe
    - DOCUMENTS [0]
      - NO DOCUMENTS
    - ELIGIBILITY [1]
      - Federal
    - ENERGY ACT [0]
      - Not Entered
    - EXCEEDENCES [0]
      - NO EXCEEDENCES
    - FINANCIAL [0]
      - NO FINANCIAL INFO
    - FLAGS [1]
      - Map Viewable
    - GEOGRAPHIC INFO [1]
      - SDE Point Feature Class
        - PLSS Desc: NENW2101N22E

DTRSQQ: 401222121

LAT: 42.5372032 LONG: -87.9046331

Click to View on Google Maps

IMPACTS [1]

Soil Contamination

OFFSOURCE PROPERTIES [0]

NO OFFSOURCE ADDR.

PHANTOM CONTAMINATION [0]

NO PHANTOM CONTAMINATION

PRIORITY [1]

01/15/1999 PRIORITY: Unknown

RISK [1]

12/01/1999 High

SER REVIEWER

LAUBE, SHANNA

SUBSTANCES [2]

PETROLEUM : DIESEL

COMMENT: 10k

OTHER DESC: Diesel

RELEASED: None None

RECOVERED: None None

PHYSICAL CHAR: None

COLOR: None

ODOR: None

PETROLEUM : GASOLINE

COMMENT: 1000

OTHER DESC: Gasoline

RELEASED: None None

RECOVERED: None None

PHYSICAL CHAR: None

COLOR: None

ODOR: None

VAPOR INTRU OPTIONS [0]

NONE

WHO [6]

Responsible Party

WEPCO

333 W EVERETT ST

MILWAUKEE, WI 53203

UNITED STATES

4142212162 phone

RP Contact/Agent

LIZ STUECK MULLANE

RP Contact/Agent

MARK COLLINS

333 W EVERETT ST A231

MILWAUKEE

4142212162 phone

Project Manager

SHANNA LAUBE-ANDERSON

HYDROGEOLOGIST

9531 RAYNE ROAD

STURTEVANT, WI 53177

UNITED STATES

2628842341 phone

Consultant

LINDA FELLENZ

HYDROGEOLOGIST

PO BOX 370888

MILWAUKEE, WI 53217

UNITED STATES

4142544813 phone

Consultant

LF GREEN DEVELOPMENT, LLC

PO BOX 370888

MILWAUKEE, WI 53237

UNITED STATES

4142544813 phone

02-30-001149 WEPCO POWER PLT

02-30-527479 WI ELECTRIC POWER PLEASANT PRAIRIE STN

03-30-215807 WEPCO LOCOMOTIVE REFUELING AREA

04-30-040173 POWER PLT - 8000 95TH ST [HISTORIC SPILL]

04-30-044863 8000 95TH ST [HISTORIC SPILL]

04-30-252435 WEPCO PLEASANT PRAIRIE POWER PLT

04-30-553671 AMERICAN TRANSMISSION SPILL

04-30-554120 WE ENERGIES SPILL

04-30-557188 WE ENERGIES SPILL

04-30-558565 WE ENERGIES SPILL

WM ACTIVITIES [4]

HW Generator - Large INACTIVE Lic. No.

HW Generator - Small ACTIVE Lic. No.

Hazardous Waste Report Certifier ACTIVE Lic. No.

Hazardous Waste Report Preparer ACTIVE Lic. No.

We Energies
231 W. Michigan St.
Milwaukee, WI 53203
www.we-energies.com

March 22, 2012

Ms. Victoria Stovall
Wisconsin Department of Natural Resources
2300 N. Martin Luther King Jr. Drive
Milwaukee, Wisconsin 53212

Subject: *Site Investigation Update / Request for Closure*
Pleasant Prairie Power Plant Tractor Garage Refueling Area
8000 95th Street, Kenosha, Wisconsin
WDNR FID: 230006260
WDNR BRRTS: 03-30-210485

Dear Ms. Stovall:

We Energies is submitting this letter report summarizing the additional site investigation completed at the above referenced site as outlined in the work plan submitted on October 12, 2011. In December 1998, a petroleum release was reported by We Energies to the Wisconsin Department of Natural Resources (WDNR). The release was identified during an upgrade to piping associated with two Underground Storage Tanks (USTs) located at the site. Based on the results from this additional investigation we request that the site be closed and issued a No Further Action letter by the WDNR.

INVESTIGATION ACTIVITIES

Soil Sampling

Soil sampling activities were conducted on November 14, 2011 in the vicinity of the tractor garage refueling area at Pleasant Prairie Power Plant. The site investigation included the installation of a total of four Geoprobe soil borings. Two soil samples were collected from each boring and analyzed for Diesel Range Organics (DRO), Gasoline Range Organics (GRO), Petroleum Volatile Organic Compounds (PVOCs) plus naphthalene, and Polyaromatic Hydrocarbons (PAHs). No groundwater was encountered in borings to a depth of 16 feet below ground surface (bgs).

The Geoprobe borings were strategically located surrounding the pump island and USTs in areas of the site that had the greatest potential for environmental impact. Continuous soil samples were collected at 2-foot intervals without any break in the sample column. Sample identification numbers were assigned based on boring numbers and sample depths.

Boring and sampling by Geoprobe techniques consisted of pushing hydraulically a 1.375-inch outside diameter (OD) steel sampler into the ground and retrieving the soil sample in a 48-inch long, 1.06-inch inside diameter (ID) clear plastic tube liner. Moraine Environmental of Grafton, Wisconsin performed soil boring activities. A representative from LF Green Development, LLC conducted field screening and soil sampling activities.

Decontamination and Restoration Procedures

All down-hole boring and sampling equipment was decontaminated before use and between sampling events by scrubbing off soil particles with a brush and water in a bucket with an Alconox solution and then rinsing the sampler in a separate bucket of clean water. Two or more Geoprobe samplers were used alternately to minimize drilling delays during decontamination of the sampler.

Once all of the soil samples had been collected, restoration was completed by filling the Geoprobe holes with 3/8" bentonite chips.

Field-Screening of Soil Samples

Soil samples from each probe were collected and examined by a LF Green Hydrogeologist for color, odor, texture, moistness, and other characteristics of the soil. These observations were used to prepare descriptive geologic logs for each boring and classify the soils according to Unified Soil Classification System (USCS).

A portion of each sample was field-screened for the presence of VOCs using a HNu Model DL101 Photoionization Detector (PID) equipped with an 11.7 eV probe. The samples were tested by filling a zip tight plastic freezer storage (zip-lock) bag half-full with desegregated soil and then sealing the bag. The bags were then set aside for a minimum of 20 minutes to allow any VOCs present within the soil to volatilize and equilibrate within headspace in the bag. The sample was heated by storing the sample bag adjacent to the heating vent inside a heated truck cab. The VOC concentration in the headspace was then measured by gently piercing the plastic with the tip of the PID probe and recording the highest meter response shown on the HNu meter. A background measurement of ambient VOCs was also made immediately prior to each sample measurement. The PID was calibrated at the beginning using a standard of 100 parts per million (ppm) isobutylene gas and the manufacturer recommended calibration procedures. The PID values for each sample are presented in WDNR Soil Boring Logs.

Sixteen soil samples were collected and field screened for Volatile Organic Compounds (VOCs) using a HNU DL-101 type photoionization detector (PID). Based on the PID readings and subsurface conditions, two soil samples were collected from each soil boring for laboratory analysis. Eight soil samples were submitted to Pace Analytical (Wisconsin DNR Certification Number: 405132750) for laboratory analysis of DRO, GRO, PVOCs plus Naphthalene, and PAHs.

The PID values for each sample are presented in WDNR Soil Boring Logs.

Site location maps, aerial photographs, and soil sample location map are included in Attachment A. Sample results are presented in Table 1, included in Attachment B. Boring Logs are presented in Attachment D. Complete laboratory analytical reports with chain of custody are included in Attachment C.

Groundwater Sampling

Groundwater samples were collected on December 1, 2011, per WDNR protocols from existing wells located on the property MW-1, MW-3, and P-2. The samples were collected with a bailer and analyzed for PVOCs plus naphthalene, and PAHs.

Field readings for each sample point were as follows:

- Well MW-1 had a static water level reading of 15.86 feet, temperature was 12° C, specific conductivity adjusted to 25° C was 1,123 (umhos/cm), and pH was 7.0. The sample was turbid tan in color and had no odor. A duplicate sample (QC-1) was collected from this point.

- Well MW-3 had a static water level reading of 14.23 feet, temperature was 13.5° C, specific conductivity adjusted to 25° C was 1,287 (umhos/cm), and pH was 7.1; ,The sample was turbid tan in color with some orange floc and had no odor.

- Well P-2 had a static water level reading of 14.64 feet, temperature was 12.5° C, specific conductivity adjusted to 25° C was 415 (umhos/cm), and pH was 7.9. The sample was turbid tan in color and had no odor. Well MW-3 is nested with well P-2.

Laboratory Activities and Methods

In addition to the soil used for PID testing, a separate portion of each sample was preserved for possible laboratory analyses. These samples were preserved by placing the soil in a labeled zip-lock bag, and then placing the bag into a cooler with ice. Two samples from each of the borings (eight total soil samples) were selected for laboratory analyses of DRO, GRO, PVOCs plus naphthalene, and PAHs.

Groundwater samples collected were also preserved for laboratory analyses. Four groundwater samples were collected in total and each was analyzed for PVOCs plus Naphthalene, and PAHs.

The samples were collected in the laboratory provided jars as required by WDNR guidance documents. All samples were stored in a cooler with ice and maintained at a temperature of approximately 4° C until delivered under chain of custody procedures to laboratory personnel.

FINDINGS:

The findings of the Phase II ESI are summarized below:

Soil Sampling Results

- On November 14, 2011 four soil borings were advanced at We Energies Pleasant Prairie Power Plant
- The site soils consisted of fill material comprised of sand and gravel, silty clay, sandy silt, and gravel to depths ranging from ground surface to the maximum boring depth of 15 feet bgs.
- Eight soil samples were collected and analyzed for DRO, GRO, PVOCs plus naphthalene, and PAHs.
- DRO concentrations ranged from below laboratory detection limits to 24 parts per million (ppm) in all samples. The concentrations are below the NR 720 RCLs of 250 ppm for silty clay soils.
- GRO concentrations ranged from below laboratory detection limits to 120 ppm in all samples. The concentrations are below the NR 720 RCLs of 250 ppm for silty clay soils.
- Among the PVOCs:
    - Naphthalene concentrations ranged from below laboratory detection limits to 1.25 ppm in sample B3-1, below the NR 720 RCL of 2.7 ppm.
    - Trimethylbenzene (TMB) concentrations ranged from below laboratory detection limits to 1.03 ppm in all borings. There is no NR 720 standard for TMB.
    - Xylene concentrations ranged from below laboratory detection limits to 0.4 ppm in sample B3-1, below the NR 720 RCL of 4.1 ppm.
- Several PAH compounds were detected in sample B3-1, however all concentrations were below the NR 720 RCLs for PAHs.
- No impacts above the NR 720 RCLs were detected in soils samples collected during this investigation.

Groundwater Sampling Results

- Groundwater samples were collected from existing wells located on the property (MW-1, MW-3, and P-2) and sampled for PVOCs plus naphthalene and PAHs.

- Groundwater results of four samples collected from two locations showed no impacts above the NR 140 Preventive Action Limit (PAL).

CONCLUSIONS

Based on field observations and the laboratory analytical results of the Site Investigation activities performed at Pleasant Prairie Power Plant, We Energies has reached the following conclusions:

- The site soils consist of silty clay, sand and gravel to depths ranging from ground surface to a maximum boring depth of 20 feet bgs.

- There is no DRO, GRO, PVOCs plus naphthalene or PAH soil contamination onsite above the NR 720 standards.

- There is no PVOCs plus naphthalene or PAH groundwater contamination detected in MW-1, MW-3 or P-2 above the NR 140 standards.

RECOMMENDATIONS:

Based on the findings and conclusions for site investigation activities completed at Pleasant Prairie Power Plant Tractor Garage Refueling Area (WDNR BRRTS: 03-30-210485) located at 8000 95th Street, Kenosha Wisconsin, We Energies is making the following recommendations:

- Since no contamination above state standards were detected in groundwater or soil samples collected for this investigation, no additional investigation is considered necessary at this time.

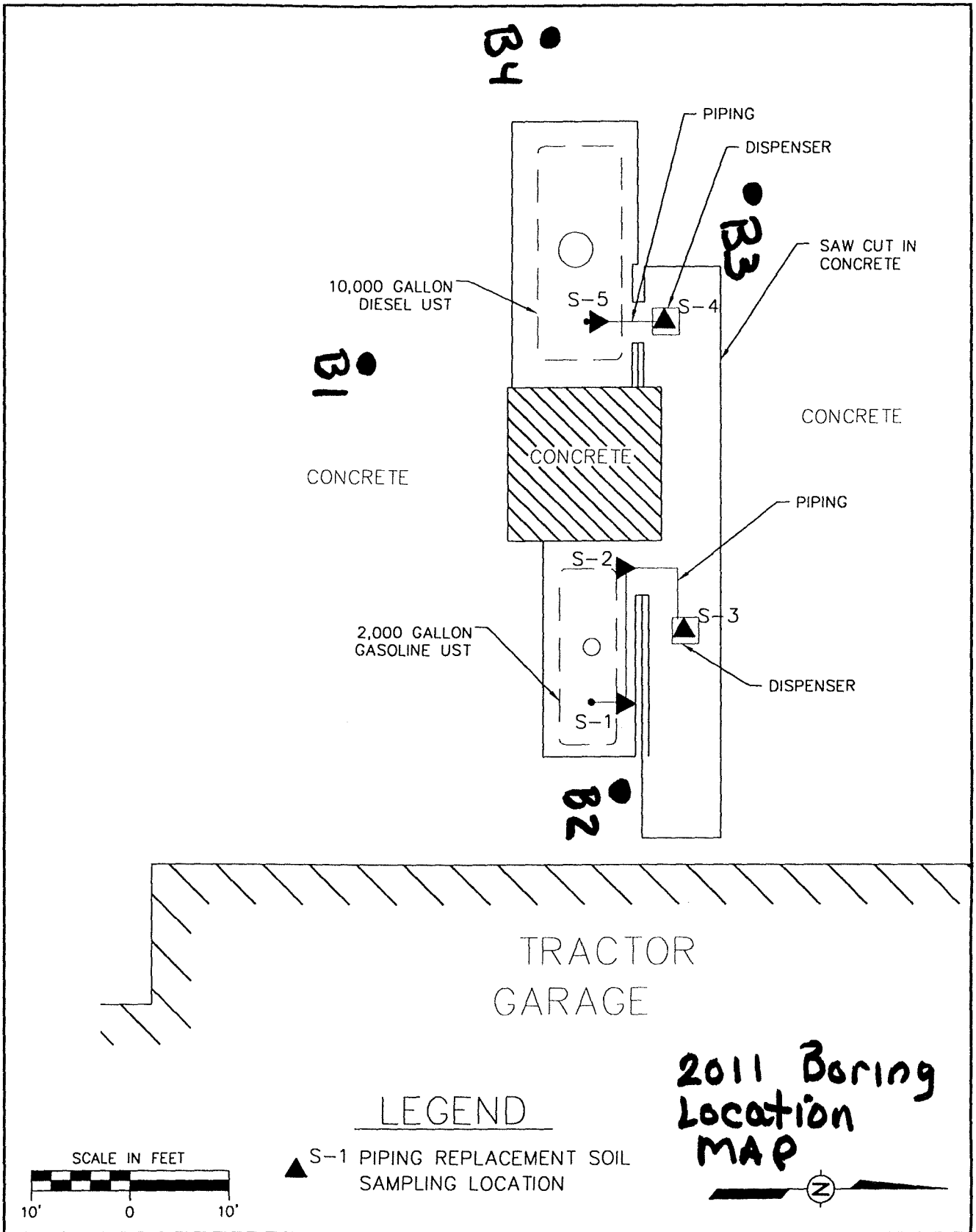
- Based on the results from this additional investigation we are recommending that the site be closed and issued a No Further Action letter.

Sincerely,

C. Luke Peters
We Energies – Environmental

ATTACHMENT A

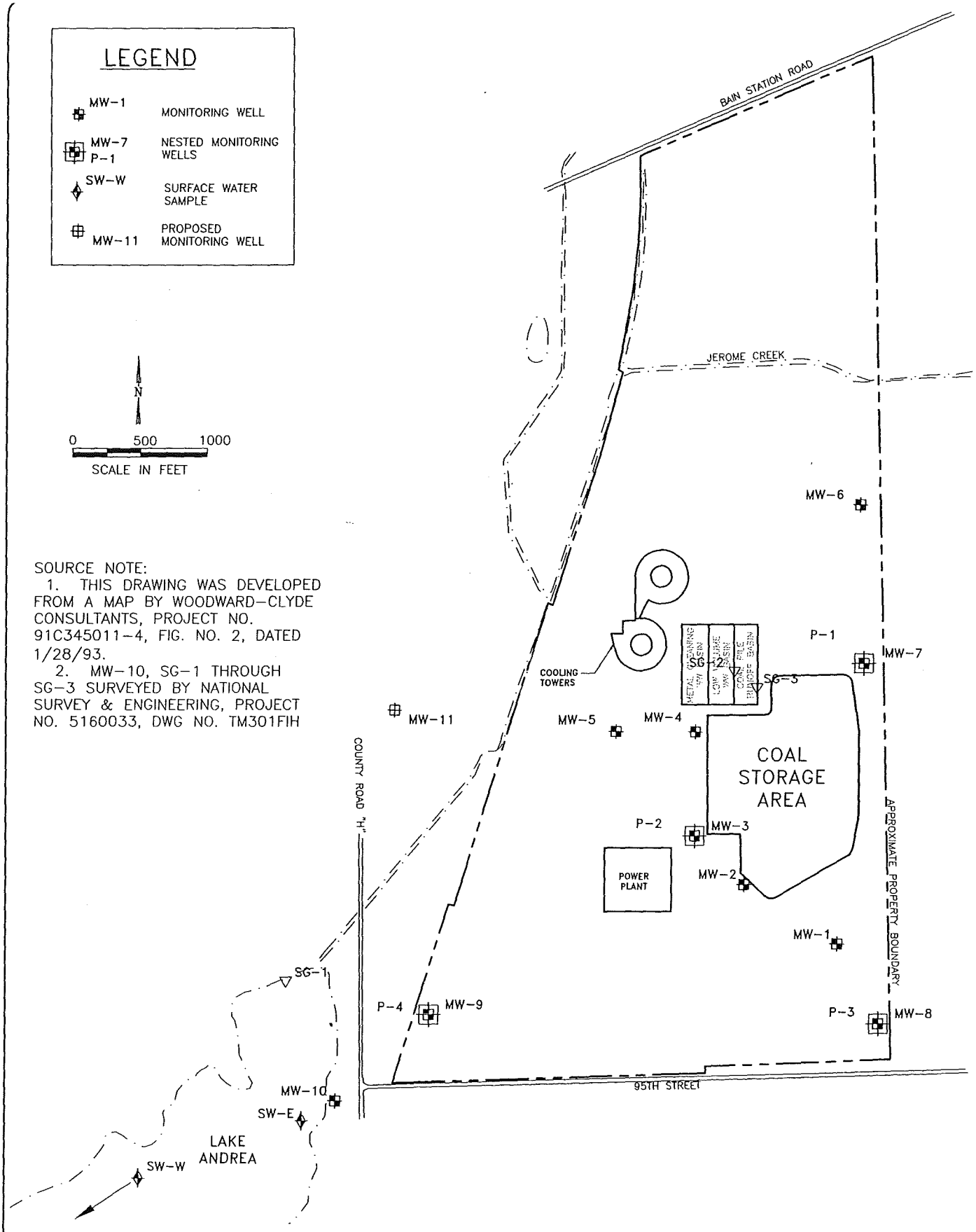
SITE AND BORING LOCATION MAPS



STS Consultants Ltd.
Consulting Engineers

SOIL SAMPLING LOCATIONS
TRACTOR GARAGE REFUELING AREA
WISCONSIN ELECTRIC
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY	SNL	12/7/98
CHECKED BY	KWY	12/7/98
APPROVED BY	TWY	12/7/98
CADFILE G55863000	SCALE AS SHOWN	
STS PROJECT NO. 85863XA	FIGURE NO.	



SITE LAYOUT

COAL AREA MONITORING REPORT
WE ENERGIES
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY: HMS 06/14/06 APP'D BY: CAR DATE: 08/16/06

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 1580/2.0

DRAWING NO. 1580-2-A02

FIGURE NO. 2

ATTACHMENT B

PHOTOGRAPHS

ATTACHMENT C

TABLE AND ANALYTICAL REPORT

Table # 1, Title: We Energies P4 Site Investigation
Soil Sample Analytical Results

				PVOCS ppm					
Sample #	Depth (ft bgs)	Date Collected	PID (ppm eq)	DRO	GRO	ETHYLBENZENE	NAPHTHALENE	TRIMETHYLBENZENE	XYLENE
B1-1	**2-4'**	11/14/2011	<10	5.1	7.8	<0.043.1	0.11	0.07	<0.13
B2-1	**2-4'**	11/14/2011	<10	4.8	3.0	<0.025	0.05	<0.025	<0.05
B3-1	**2-4'**	11/14/2011	<10	24.0	120.0	0.15	1.25	0.69	0.48
B3-1D	**2-4'**	11/14/2011	<10	NS	NS	0.15	<0.09	1.03	0.64
B3-2	**8-10'**	11/14/2011	<10	1.7	12.6	<0.05	0.19	0.06	<0.13
B4-1	**2-4'**	11/14/2011	<10	1.8	<5.5	<0.05	<0.05	<0.05	<0.09
B4-2	**8-10'**	11/14/2011	<10	2.1	12.2	<0.06	0.18	0.06	<0.09
NR 720				250	250	2.9	NS	NS	4

NOTES: All results are in parts per million (ppm) unless otherwise noted
Concentrations exceeding the NR 720 RCLs are in **bold face**

* = Residual Contaminant Levels (RCLs) based on protection of groundwater per NR 720 in ppm

*** = RCLs based on Soil Cleanup Levels for PAHs Iterim Guidance

PID = photoionization detector

ft bgs = feet below ground surface

Table # 1, Title: We Energies P4 Site Investigation
Soil Sample Analytical Results

PAHs *** ppb						
Acenaphthene	Acenaphthylene	Anthracene	Chrysene	Fluorene	Phenanthrene	Pyrene
<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
<2.7	<3.1	<4.6	<3.5	<4.9	<4.3	<3.6
54.30	4.70	29.30	6.50	94.70	163.00	40.30
<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
<2.8	<3.1	<4.6	<3.6	<4.9	5.50	<3.6
<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
<2.8	<3.1	<4.6	<3.6	<4.9	<4.3	<3.6
900	18	5,000	8.8	600	18	500

NOTES: All results are in parts per million (ppm) unless otherwise
Concentrations exceeding the NR 720 RCLs are in **bold**

* = Residual Contaminant Levels (RCLs) based on protection of ground

*** = RCLs based on Soil Cleanup Levels for PAHs Iterim Guidance

PID = photoionization detector

ft bgs = feet below ground surface

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 28, 2011

Linda Fellenz
LF Green Development
PO Box 370888
Milwaukee, WI 53237

RE: Project: WE P4
Pace Project No.: 4053745

Dear Linda Fellenz:
Enclosed are the analytical results for sample(s) received by the laboratory on November 17, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: WE P4
Pace Project No.: 4053745

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: WE P4
Pace Project No.: 4053745

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4053745001	**B1-1**	Solid	11/14/11 09:50	11/17/11 08:20
4053745002	**B2-1**	Solid	11/14/11 10:30	11/17/11 08:20
4053745003	**B3-1**	Solid	11/14/11 11:00	11/17/11 08:20
4053745004	**B3-1D**	Solid	11/14/11 11:00	11/17/11 08:20
4053745005	**B3-2**	Solid	11/14/11 11:00	11/17/11 08:20
4053745006	**B4-1**	Solid	11/14/11 11:30	11/17/11 08:20
4053745007	**B4-2**	Solid	11/14/11 11:30	11/17/11 08:20

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SAMPLE ANALYTE COUNT

Project: WE P4
Pace Project No.: 4053745

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4053745001	**B1-1**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1
4053745002	**B2-1**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1
4053745003	**B3-1**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1
4053745004	**B3-1D**	WI MOD GRO	PMS	10
		ASTM D2974-87	SKW	1
4053745005	**B3-2**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1
4053745006	**B4-1**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1
4053745007	**B4-2**	WI MOD DRO	DAL	1
		WI MOD GRO	PMS	11
		EPA 8270 by SIM	RJN	18
		ASTM D2974-87	SKW	1

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B1-1 **Lab ID: 4053745001** Collected: 11/14/11 09:50 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**5.1**	mg/kg	2.1	1.0	1	11/18/11 12:00	11/21/11 09:53		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	71-43-2	W
Ethylbenzene	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	100-41-4	W
Gasoline Range Organics	**7.8**	mg/kg	5.1	5.1	1	11/21/11 12:00	11/21/11 14:20		
Methyl-tert-butyl ether	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	1634-04-4	W
Naphthalene	**110J**	ug/kg	122	50.8	1	11/21/11 12:00	11/21/11 14:20	91-20-3	
Toluene	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	108-88-3	W
1,2,4-Trimethylbenzene	**72.1J**	ug/kg	122	50.8	1	11/21/11 12:00	11/21/11 14:20	95-63-6	
1,3,5-Trimethylbenzene	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	108-67-8	W
m&p-Xylene	**<86.2**	ug/kg	207	86.2	1	11/21/11 12:00	11/21/11 14:20	179601-23-1	W
o-Xylene	**<43.1**	ug/kg	103	43.1	1	11/21/11 12:00	11/21/11 14:20	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%.	80-120		1	11/21/11 12:00	11/21/11 14:20	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 15:20	83-32-9	
Acenaphthylene	**<3.1**	ug/kg	19.7	3.1	1	11/21/11 12:00	11/22/11 15:20	208-96-8	
Anthracene	**<4.6**	ug/kg	19.7	4.6	1	11/21/11 12:00	11/22/11 15:20	120-12-7	
Benzo(a)anthracene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 15:20	56-55-3	
Benzo(a)pyrene	**<3.2**	ug/kg	19.7	3.2	1	11/21/11 12:00	11/22/11 15:20	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	19.7	3.4	1	11/21/11 12:00	11/22/11 15:20	205-99-2	
Benzo(g,h,i)perylene	**<2.6**	ug/kg	19.7	2.6	1	11/21/11 12:00	11/22/11 15:20	191-24-2	
Benzo(k)fluoranthene	**<3.6**	ug/kg	19.7	3.6	1	11/21/11 12:00	11/22/11 15:20	207-08-9	
Chrysene	**<3.6**	ug/kg	19.7	3.6	1	11/21/11 12:00	11/22/11 15:20	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	19.7	5.3	1	11/21/11 12:00	11/22/11 15:20	53-70-3	
Fluoranthene	**<9.8**	ug/kg	19.7	9.8	1	11/21/11 12:00	11/22/11 15:20	206-44-0	
Fluorene	**<4.9**	ug/kg	19.7	4.9	1	11/21/11 12:00	11/22/11 15:20	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 15:20	193-39-5	
Naphthalene	**<3.4**	ug/kg	19.7	3.4	1	11/21/11 12:00	11/22/11 15:20	91-20-3	
Phenanthrene	**<4.3**	ug/kg	19.7	4.3	1	11/21/11 12:00	11/22/11 15:20	85-01-8	
Pyrene	**<3.6**	ug/kg	19.7	3.6	1	11/21/11 12:00	11/22/11 15:20	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	86	%.	43-130		1	11/21/11 12:00	11/22/11 15:20	321-60-8	
Terphenyl-d14 (S)	92	%.	32-130		1	11/21/11 12:00	11/22/11 15:20	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		11/23/11 08:08		

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B2-1 **Lab ID: 4053745002** Collected: 11/14/11 10:30 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**4.8**	mg/kg	2.0	0.99	1	11/18/11 12:00	11/21/11 09:58		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	100-41-4	W
Gasoline Range Organics	**3.0**	mg/kg	2.9	2.9	1	11/21/11 12:00	11/21/11 14:46		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	1634-04-4	W
Naphthalene	**48.7J**	ug/kg	70.3	29.3	1	11/21/11 12:00	11/21/11 14:46	91-20-3	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/21/11 12:00	11/21/11 14:46	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/21/11 12:00	11/21/11 14:46	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	11/21/11 12:00	11/21/11 14:46	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<2.7**	ug/kg	19.5	2.7	1	11/21/11 12:00	11/23/11 03:29	83-32-9	
Acenaphthylene	**<3.1**	ug/kg	19.5	3.1	1	11/21/11 12:00	11/23/11 03:29	208-96-8	
Anthracene	**<4.5**	ug/kg	19.5	4.5	1	11/21/11 12:00	11/23/11 03:29	120-12-7	
Benzo(a)anthracene	**<2.8**	ug/kg	19.5	2.8	1	11/21/11 12:00	11/23/11 03:29	56-55-3	
Benzo(a)pyrene	**<3.2**	ug/kg	19.5	3.2	1	11/21/11 12:00	11/23/11 03:29	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	19.5	3.4	1	11/21/11 12:00	11/23/11 03:29	205-99-2	
Benzo(g,h,i)perylene	**<2.6**	ug/kg	19.5	2.6	1	11/21/11 12:00	11/23/11 03:29	191-24-2	
Benzo(k)fluoranthene	**<3.6**	ug/kg	19.5	3.6	1	11/21/11 12:00	11/23/11 03:29	207-08-9	
Chrysene	**<3.5**	ug/kg	19.5	3.5	1	11/21/11 12:00	11/23/11 03:29	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	19.5	5.3	1	11/21/11 12:00	11/23/11 03:29	53-70-3	
Fluoranthene	**<9.8**	ug/kg	19.5	9.8	1	11/21/11 12:00	11/23/11 03:29	206-44-0	
Fluorene	**<4.9**	ug/kg	19.5	4.9	1	11/21/11 12:00	11/23/11 03:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.8**	ug/kg	19.5	2.8	1	11/21/11 12:00	11/23/11 03:29	193-39-5	
Naphthalene	**<3.4**	ug/kg	19.5	3.4	1	11/21/11 12:00	11/23/11 03:29	91-20-3	
Phenanthrene	**<4.3**	ug/kg	19.5	4.3	1	11/21/11 12:00	11/23/11 03:29	85-01-8	
Pyrene	**<3.6**	ug/kg	19.5	3.6	1	11/21/11 12:00	11/23/11 03:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	100	%.	43-130		1	11/21/11 12:00	11/23/11 03:29	321-60-8	
Terphenyl-d14 (S)	102	%.	32-130		1	11/21/11 12:00	11/23/11 03:29	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		11/23/11 08:08		

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B3-1 **Lab ID: 4053745003** Collected: 11/14/11 11:00 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**24.0**	mg/kg	2.3	1.1	1	11/18/11 12:00	11/21/11 10:04		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<54.3**	ug/kg	130	54.3	1	11/21/11 12:00	11/21/11 19:03	71-43-2	W
Ethylbenzene	**148J**	ug/kg	164	68.1	1	11/21/11 12:00	11/21/11 19:03	100-41-4	
Gasoline Range Organics	**120**	mg/kg	6.8	6.8	1	11/21/11 12:00	11/21/11 19:03		
Methyl-tert-butyl ether	**<54.3**	ug/kg	130	54.3	1	11/21/11 12:00	11/21/11 19:03	1634-04-4	W
Naphthalene	**1250**	ug/kg	164	68.1	1	11/21/11 12:00	11/21/11 19:03	91-20-3	
Toluene	**<54.3**	ug/kg	130	54.3	1	11/21/11 12:00	11/21/11 19:03	108-88-3	W
1,2,4-Trimethylbenzene	**692**	ug/kg	164	68.1	1	11/21/11 12:00	11/21/11 19:03	95-63-6	
1,3,5-Trimethylbenzene	**<54.3**	ug/kg	130	54.3	1	11/21/11 12:00	11/21/11 19:03	108-67-8	W
m&p-Xylene	**286J**	ug/kg	327	136	1	11/21/11 12:00	11/21/11 19:03	179601-23-1	
o-Xylene	**142J**	ug/kg	164	68.1	1	11/21/11 12:00	11/21/11 19:03	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%.	80-120		1	11/21/11 12:00	11/21/11 19:03	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**54.3**	ug/kg	20.9	2.9	1	11/21/11 12:00	11/22/11 15:55	83-32-9	
Acenaphthylene	**4.7J**	ug/kg	20.9	3.3	1	11/21/11 12:00	11/22/11 15:55	208-96-8	
Anthracene	**29.3**	ug/kg	20.9	4.9	1	11/21/11 12:00	11/22/11 15:55	120-12-7	
Benzo(a)anthracene	**<3.0**	ug/kg	20.9	3.0	1	11/21/11 12:00	11/22/11 15:55	56-55-3	
Benzo(a)pyrene	**<3.4**	ug/kg	20.9	3.4	1	11/21/11 12:00	11/22/11 15:55	50-32-8	
Benzo(b)fluoranthene	**<3.6**	ug/kg	20.9	3.6	1	11/21/11 12:00	11/22/11 15:55	205-99-2	
Benzo(g,h,i)perylene	**<2.8**	ug/kg	20.9	2.8	1	11/21/11 12:00	11/22/11 15:55	191-24-2	
Benzo(k)fluoranthene	**<3.9**	ug/kg	20.9	3.9	1	11/21/11 12:00	11/22/11 15:55	207-08-9	
Chrysene	**6.5J**	ug/kg	20.9	3.8	1	11/21/11 12:00	11/22/11 15:55	218-01-9	
Dibenz(a,h)anthracene	**<5.7**	ug/kg	20.9	5.7	1	11/21/11 12:00	11/22/11 15:55	53-70-3	
Fluoranthene	**<10.4**	ug/kg	20.9	10.4	1	11/21/11 12:00	11/22/11 15:55	206-44-0	
Fluorene	**94.7**	ug/kg	20.9	5.2	1	11/21/11 12:00	11/22/11 15:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**<3.0**	ug/kg	20.9	3.0	1	11/21/11 12:00	11/22/11 15:55	193-39-5	
Naphthalene	**15.6J**	ug/kg	20.9	3.7	1	11/21/11 12:00	11/22/11 15:55	91-20-3	
Phenanthrene	**163**	ug/kg	20.9	4.6	1	11/21/11 12:00	11/22/11 15:55	85-01-8	
Pyrene	**40.3**	ug/kg	20.9	3.8	1	11/21/11 12:00	11/22/11 15:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	96	%.	43-130		1	11/21/11 12:00	11/22/11 15:55	321-60-8	
Terphenyl-d14 (S)	107	%.	32-130		1	11/21/11 12:00	11/22/11 15:55	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.2**	%	0.10	0.10	1		11/23/11 08:08		

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B3-1D **Lab ID: 4053745004** Collected: 11/14/11 11:00 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<86.2**	ug/kg	207	86.2	2	11/21/11 12:00	11/21/11 19:29	71-43-2	W
Ethylbenzene	**150J**	ug/kg	252	105	2	11/21/11 12:00	11/21/11 19:29	100-41-4	
Methyl-tert-butyl ether	**<86.2**	ug/kg	207	86.2	2	11/21/11 12:00	11/21/11 19:29	1634-04-4	W
Naphthalene	**<86.2**	ug/kg	207	86.2	2	11/21/11 12:00	11/21/11 19:29	91-20-3	W
Toluene	**<86.2**	ug/kg	207	86.2	2	11/21/11 12:00	11/21/11 19:29	108-88-3	W
1,2,4-Trimethylbenzene	**1030**	ug/kg	252	105	2	11/21/11 12:00	11/21/11 19:29	95-63-6	
1,3,5-Trimethylbenzene	**<86.2**	ug/kg	207	86.2	2	11/21/11 12:00	11/21/11 19:29	108-67-8	W
m&p-Xylene	**437J**	ug/kg	503	210	2	11/21/11 12:00	11/21/11 19:29	179601-23-1	
o-Xylene	**209J**	ug/kg	252	105	2	11/21/11 12:00	11/21/11 19:29	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		2	11/21/11 12:00	11/21/11 19:29	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		11/23/11 08:09		

Sample: B3-2 **Lab ID: 4053745005** Collected: 11/14/11 11:00 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.7J**	mg/kg	2.1	1.1	1	11/18/11 12:00	11/21/11 10:10		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	71-43-2	W
Ethylbenzene	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	100-41-4	W
Gasoline Range Organics	**12.6**	mg/kg	5.8	5.8	1	11/21/11 12:00	11/21/11 12:35		
Methyl-tert-butyl ether	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	1634-04-4	W
Naphthalene	**192**	ug/kg	139	57.8	1	11/21/11 12:00	11/21/11 12:35	91-20-3	
Toluene	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	108-88-3	W
1,2,4-Trimethylbenzene	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	95-63-6	W
1,3,5-Trimethylbenzene	**58.7J**	ug/kg	139	57.8	1	11/21/11 12:00	11/21/11 12:35	108-67-8	
m&p-Xylene	**<98.0**	ug/kg	235	98.0	1	11/21/11 12:00	11/21/11 12:35	179601-23-1	W
o-Xylene	**<49.0**	ug/kg	118	49.0	1	11/21/11 12:00	11/21/11 12:35	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	11/21/11 12:00	11/21/11 12:35	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 09:50	83-32-9	
Acenaphthylene	**<3.1**	ug/kg	19.7	3.1	1	11/21/11 12:00	11/22/11 09:50	208-96-8	
Anthracene	**<4.6**	ug/kg	19.7	4.6	1	11/21/11 12:00	11/22/11 09:50	120-12-7	
Benzo(a)anthracene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 09:50	56-55-3	
Benzo(a)pyrene	**<3.2**	ug/kg	19.7	3.2	1	11/21/11 12:00	11/22/11 09:50	50-32-8	

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B3-2 **Lab ID: 4053745005** Collected: 11/14/11 11:00 Received: 11/17/11 08:20 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Benzo(b)fluoranthene	**<3.4**	ug/kg	19.7	3.4	1	11/21/11 12:00	11/22/11 09:50	205-99-2	
Benzo(g,h,i)perylene	**<2.6**	ug/kg	19.7	2.6	1	11/21/11 12:00	11/22/11 09:50	191-24-2	
Benzo(k)fluoranthene	**<3.7**	ug/kg	19.7	3.7	1	11/21/11 12:00	11/22/11 09:50	207-08-9	
Chrysene	**<3.6**	ug/kg	19.7	3.6	1	11/21/11 12:00	11/22/11 09:50	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	19.7	5.3	1	11/21/11 12:00	11/22/11 09:50	53-70-3	
Fluoranthene	**<9.8**	ug/kg	19.7	9.8	1	11/21/11 12:00	11/22/11 09:50	206-44-0	
Fluorene	**<4.9**	ug/kg	19.7	4.9	1	11/21/11 12:00	11/22/11 09:50	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.8**	ug/kg	19.7	2.8	1	11/21/11 12:00	11/22/11 09:50	193-39-5	
Naphthalene	**<3.4**	ug/kg	19.7	3.4	1	11/21/11 12:00	11/22/11 09:50	91-20-3	
Phenanthrene	**5.5J**	ug/kg	19.7	4.3	1	11/21/11 12:00	11/22/11 09:50	85-01-8	
Pyrene	**<3.6**	ug/kg	19.7	3.6	1	11/21/11 12:00	11/22/11 09:50	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	90	%.	43-130		1	11/21/11 12:00	11/22/11 09:50	321-60-8	
Terphenyl-d14 (S)	91	%.	32-130		1	11/21/11 12:00	11/22/11 09:50	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.2**	%	0.10	0.10	1		11/23/11 08:09		

Sample: B4-1 **Lab ID: 4053745006** Collected: 11/14/11 11:30 Received: 11/17/11 08:20 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.8J**	mg/kg	2.1	1.1	1	11/18/11 12:00	11/21/11 10:16		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	71-43-2	W
Ethylbenzene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	100-41-4	W
Gasoline Range Organics	**<5.5**	mg/kg	5.5	5.5	1	11/21/11 12:00	11/21/11 13:01		
Methyl-tert-butyl ether	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	1634-04-4	W
Naphthalene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	91-20-3	W
Toluene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	108-88-3	W
1,2,4-Trimethylbenzene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	95-63-6	W
1,3,5-Trimethylbenzene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	108-67-8	W
m&p-Xylene	**<92.6**	ug/kg	222	92.6	1	11/21/11 12:00	11/21/11 13:01	179601-23-1	W
o-Xylene	**<46.3**	ug/kg	111	46.3	1	11/21/11 12:00	11/21/11 13:01	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	11/21/11 12:00	11/21/11 13:01	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<2.8**	ug/kg	19.6	2.8	1	11/21/11 12:00	11/22/11 16:12	83-32-9	
Acenaphthylene	**<3.1**	ug/kg	19.6	3.1	1	11/21/11 12:00	11/22/11 16:12	208-96-8	

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B4-1 **Lab ID: 4053745006** Collected: 11/14/11 11:30 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Anthracene	**<4.6**	ug/kg	19.6	4.6	1	11/21/11 12:00	11/22/11 16:12	120-12-7	
Benzo(a)anthracene	**<2.8**	ug/kg	19.6	2.8	1	11/21/11 12:00	11/22/11 16:12	56-55-3	
Benzo(a)pyrene	**<3.2**	ug/kg	19.6	3.2	1	11/21/11 12:00	11/22/11 16:12	50-32-8	
Benzo(b)fluoranthene	**<3.4**	ug/kg	19.6	3.4	1	11/21/11 12:00	11/22/11 16:12	205-99-2	
Benzo(g,h,i)perylene	**<2.6**	ug/kg	19.6	2.6	1	11/21/11 12:00	11/22/11 16:12	191-24-2	
Benzo(k)fluoranthene	**<3.6**	ug/kg	19.6	3.6	1	11/21/11 12:00	11/22/11 16:12	207-08-9	
Chrysene	**<3.6**	ug/kg	19.6	3.6	1	11/21/11 12:00	11/22/11 16:12	218-01-9	
Dibenz(a,h)anthracene	**<5.3**	ug/kg	19.6	5.3	1	11/21/11 12:00	11/22/11 16:12	53-70-3	
Fluoranthene	**<9.8**	ug/kg	19.6	9.8	1	11/21/11 12:00	11/22/11 16:12	206-44-0	
Fluorene	**<4.9**	ug/kg	19.6	4.9	1	11/21/11 12:00	11/22/11 16:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.8**	ug/kg	19.6	2.8	1	11/21/11 12:00	11/22/11 16:12	193-39-5	
Naphthalene	**<3.4**	ug/kg	19.6	3.4	1	11/21/11 12:00	11/22/11 16:12	91-20-3	
Phenanthrene	**<4.3**	ug/kg	19.6	4.3	1	11/21/11 12:00	11/22/11 16:12	85-01-8	
Pyrene	**<3.6**	ug/kg	19.6	3.6	1	11/21/11 12:00	11/22/11 16:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	96	%.	43-130		1	11/21/11 12:00	11/22/11 16:12	321-60-8	
Terphenyl-d14 (S)	102	%.	32-130		1	11/21/11 12:00	11/22/11 16:12	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.1**	%	0.10	0.10	1		11/23/11 08:09		

Sample: B4-2 **Lab ID: 4053745007** Collected: 11/14/11 11:30 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**2.1J**	mg/kg	2.1	1.1	1	11/18/11 12:00	11/21/11 10:21		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	71-43-2	W
Ethylbenzene	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	100-41-4	W
Gasoline Range Organics	**12.2**	mg/kg	6.3	6.3	1	11/21/11 12:00	11/21/11 13:26		
Methyl-tert-butyl ether	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	1634-04-4	W
Naphthalene	**184**	ug/kg	151	63.0	1	11/21/11 12:00	11/21/11 13:26	91-20-3	
Toluene	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	108-88-3	W
1,2,4-Trimethylbenzene	**63.2J**	ug/kg	151	63.0	1	11/21/11 12:00	11/21/11 13:26	95-63-6	
1,3,5-Trimethylbenzene	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	108-67-8	W
m&p-Xylene	**<104**	ug/kg	250	104	1	11/21/11 12:00	11/21/11 13:26	179601-23-1	W
o-Xylene	**<52.1**	ug/kg	125	52.1	1	11/21/11 12:00	11/21/11 13:26	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%.	80-120		1	11/21/11 12:00	11/21/11 13:26	98-08-8	

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ANALYTICAL RESULTS

Project: WE P4
Pace Project No.: 4053745

Sample: B4-2 **Lab ID: 4053745007** Collected: 11/14/11 11:30 Received: 11/17/11 08:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<2.8**	ug/kg	20.2	2.8	1	11/21/11 12:00	11/22/11 16:29	83-32-9	
Acenaphthylene	**<3.2**	ug/kg	20.2	3.2	1	11/21/11 12:00	11/22/11 16:29	208-96-8	
Anthracene	**<4.7**	ug/kg	20.2	4.7	1	11/21/11 12:00	11/22/11 16:29	120-12-7	
Benzo(a)anthracene	**<2.9**	ug/kg	20.2	2.9	1	11/21/11 12:00	11/22/11 16:29	56-55-3	
Benzo(a)pyrene	**<3.3**	ug/kg	20.2	3.3	1	11/21/11 12:00	11/22/11 16:29	50-32-8	
Benzo(b)fluoranthene	**<3.5**	ug/kg	20.2	3.5	1	11/21/11 12:00	11/22/11 16:29	205-99-2	
Benzo(g,h,i)perylene	**<2.7**	ug/kg	20.2	2.7	1	11/21/11 12:00	11/22/11 16:29	191-24-2	
Benzo(k)fluoranthene	**<3.7**	ug/kg	20.2	3.7	1	11/21/11 12:00	11/22/11 16:29	207-08-9	
Chrysene	**<3.7**	ug/kg	20.2	3.7	1	11/21/11 12:00	11/22/11 16:29	218-01-9	
Dibenz(a,h)anthracene	**<5.5**	ug/kg	20.2	5.5	1	11/21/11 12:00	11/22/11 16:29	53-70-3	
Fluoranthene	**<10.1**	ug/kg	20.2	10.1	1	11/21/11 12:00	11/22/11 16:29	206-44-0	
Fluorene	**<5.0**	ug/kg	20.2	5.0	1	11/21/11 12:00	11/22/11 16:29	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.9**	ug/kg	20.2	2.9	1	11/21/11 12:00	11/22/11 16:29	193-39-5	
Naphthalene	**<3.5**	ug/kg	20.2	3.5	1	11/21/11 12:00	11/22/11 16:29	91-20-3	
Phenanthrene	**<4.4**	ug/kg	20.2	4.4	1	11/21/11 12:00	11/22/11 16:29	85-01-8	
Pyrene	**<3.7**	ug/kg	20.2	3.7	1	11/21/11 12:00	11/22/11 16:29	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	97	%.	43-130		1	11/21/11 12:00	11/22/11 16:29	321-60-8	
Terphenyl-d14 (S)	101	%.	32-130		1	11/21/11 12:00	11/22/11 16:29	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.3**	%	0.10	0.10	1		11/23/11 08:09		

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

QC Batch: GCV/7641 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4053745001, 4053745002, 4053745003, 4053745004, 4053745005, 4053745006, 4053745007

METHOD BLANK: 537188 Matrix: Solid
Associated Lab Samples: 4053745001, 4053745002, 4053745003, 4053745004, 4053745005, 4053745006, 4053745007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	11/21/11 10:39	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	11/21/11 10:39	
Benzene	ug/kg	<25.0	60.0	11/21/11 10:39	
Ethylbenzene	ug/kg	<25.0	60.0	11/21/11 10:39	
Gasoline Range Organics	mg/kg	<2.5	2.5	11/21/11 10:39	
m&p-Xylene	ug/kg	<50.0	120	11/21/11 10:39	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	11/21/11 10:39	
Naphthalene	ug/kg	<25.0	60.0	11/21/11 10:39	
o-Xylene	ug/kg	<25.0	60.0	11/21/11 10:39	
Toluene	ug/kg	<25.0	60.0	11/21/11 10:39	
a,a,a-Trifluorotoluene (S)	%.	102	80-120	11/21/11 10:39	

LABORATORY CONTROL SAMPLE & LCSD: 537189 537190

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1100	1090	110	109	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1070	1060	107	106	80-120	.6	20	
Benzene	ug/kg	1000	1080	1070	108	107	80-120	1	20	
Ethylbenzene	ug/kg	1000	1060	1050	106	105	80-120	1	20	
Gasoline Range Organics	mg/kg	10	11.4	10.8	114	108	80-120	5	20	
m&p-Xylene	ug/kg	2000	2110	2090	106	105	80-120	.9	20	
Methyl-tert-butyl ether	ug/kg	1000	1040	1020	104	102	80-120	2	20	
Naphthalene	ug/kg	1000	1020	1030	102	103	80-120	.9	20	
o-Xylene	ug/kg	1000	1050	1030	105	103	80-120	2	20	
Toluene	ug/kg	1000	1050	1040	105	104	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%.				102	101	80-120			

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

QC Batch: OEXT/13275
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4053745001

METHOD BLANK: 537471 Matrix: Solid
Associated Lab Samples: 4053745001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<2.3	16.7	11/22/11 08:06	
Acenaphthylene	ug/kg	<2.7	16.7	11/22/11 08:06	
Anthracene	ug/kg	<3.9	16.7	11/22/11 08:06	
Benzo(a)anthracene	ug/kg	<2.4	16.7	11/22/11 08:06	
Benzo(a)pyrene	ug/kg	<2.7	16.7	11/22/11 08:06	
Benzo(b)fluoranthene	ug/kg	<2.9	16.7	11/22/11 08:06	
Benzo(g,h,i)perylene	ug/kg	<2.2	16.7	11/22/11 08:06	
Benzo(k)fluoranthene	ug/kg	<3.1	16.7	11/22/11 08:06	
Chrysene	ug/kg	<3.0	16.7	11/22/11 08:06	
Dibenz(a,h)anthracene	ug/kg	<4.5	16.7	11/22/11 08:06	
Fluoranthene	ug/kg	<8.3	16.7	11/22/11 08:06	
Fluorene	ug/kg	<4.1	16.7	11/22/11 08:06	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.4	16.7	11/22/11 08:06	
Naphthalene	ug/kg	<2.9	16.7	11/22/11 08:06	
Phenanthrene	ug/kg	<3.7	16.7	11/22/11 08:06	
Pyrene	ug/kg	<3.1	16.7	11/22/11 08:06	
2-Fluorobiphenyl (S)	%.	87	43-130	11/22/11 08:06	
Terphenyl-d14 (S)	%.	103	32-130	11/22/11 08:06	

LABORATORY CONTROL SAMPLE: 537472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	333	325	97	51-130	
Acenaphthylene	ug/kg	333	327	98	53-130	
Anthracene	ug/kg	333	350	105	48-130	
Benzo(a)anthracene	ug/kg	333	326	98	55-130	
Benzo(a)pyrene	ug/kg	333	345	104	56-130	
Benzo(b)fluoranthene	ug/kg	333	321	96	53-130	
Benzo(g,h,i)perylene	ug/kg	333	374	112	58-130	
Benzo(k)fluoranthene	ug/kg	333	372	111	55-130	
Chrysene	ug/kg	333	343	103	59-130	
Dibenz(a,h)anthracene	ug/kg	333	379	114	56-130	
Fluoranthene	ug/kg	333	351	105	56-130	
Fluorene	ug/kg	333	339	102	54-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	377	113	57-130	
Naphthalene	ug/kg	333	291	87	43-130	
Phenanthrene	ug/kg	333	342	103	56-130	
Pyrene	ug/kg	333	340	102	54-130	
2-Fluorobiphenyl (S)	%.			91	43-130	
Terphenyl-d14 (S)	%.			101	32-130	

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 537473 537474

Parameter	Units	4053898016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	<3.0	420	420	347	331	82	79	40-130	5	20	
Acenaphthylene	ug/kg	<3.4	420	420	354	344	84	82	40-130	3	20	
Anthracene	ug/kg	<4.9	420	420	366	355	87	84	46-130	3	24	
Benzo(a)anthracene	ug/kg	<3.0	420	420	343	334	81	79	42-130	3	25	
Benzo(a)pyrene	ug/kg	<3.4	420	420	360	359	85	85	40-130	.3	31	
Benzo(b)fluoranthene	ug/kg	<3.6	420	420	319	320	75	75	45-130	.2	29	
Benzo(g,h,i)perylene	ug/kg	<2.8	420	420	401	394	95	93	16-143	2	23	
Benzo(k)fluoranthene	ug/kg	<3.9	420	420	380	375	90	89	38-130	1	33	
Chrysene	ug/kg	<3.8	420	420	360	347	85	82	38-130	4	31	
Dibenz(a,h)anthracene	ug/kg	<5.7	420	420	398	391	95	93	30-135	2	23	
Fluoranthene	ug/kg	<10.5	420	420	370	364	87	86	42-133	2	28	
Fluorene	ug/kg	<5.2	420	420	355	338	84	80	43-130	5	22	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.0	420	420	398	390	94	92	15-150	2	27	
Naphthalene	ug/kg	<3.7	420	420	319	293	76	70	24-130	9	33	
Phenanthrene	ug/kg	<4.6	420	420	353	346	84	82	27-135	2	27	
Pyrene	ug/kg	<3.9	420	420	366	345	86	81	36-130	6	23	
2-Fluorobiphenyl (S)	%.						76	78	43-130			
Terphenyl-d14 (S)	%.						84	82	32-130			

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

QC Batch: OEXT/13276 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4053745002, 4053745003, 4053745005, 4053745006, 4053745007

METHOD BLANK: 537475 Matrix: Solid
Associated Lab Samples: 4053745002, 4053745003, 4053745005, 4053745006, 4053745007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<2.3	16.7	11/22/11 09:16	
Acenaphthylene	ug/kg	<2.7	16.7	11/22/11 09:16	
Anthracene	ug/kg	<3.9	16.7	11/22/11 09:16	
Benzo(a)anthracene	ug/kg	<2.4	16.7	11/22/11 09:16	
Benzo(a)pyrene	ug/kg	<2.7	16.7	11/22/11 09:16	
Benzo(b)fluoranthene	ug/kg	<2.9	16.7	11/22/11 09:16	
Benzo(g,h,i)perylene	ug/kg	<2.2	16.7	11/22/11 09:16	
Benzo(k)fluoranthene	ug/kg	<3.1	16.7	11/22/11 09:16	
Chrysene	ug/kg	<3.0	16.7	11/22/11 09:16	
Dibenz(a,h)anthracene	ug/kg	<4.5	16.7	11/22/11 09:16	
Fluoranthene	ug/kg	<8.3	16.7	11/22/11 09:16	
Fluorene	ug/kg	<4.1	16.7	11/22/11 09:16	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.4	16.7	11/22/11 09:16	
Naphthalene	ug/kg	<2.9	16.7	11/22/11 09:16	
Phenanthrene	ug/kg	<3.7	16.7	11/22/11 09:16	
Pyrene	ug/kg	<3.1	16.7	11/22/11 09:16	
2-Fluorobiphenyl (S)	%.	91	43-130	11/22/11 09:16	
Terphenyl-d14 (S)	%.	107	32-130	11/22/11 09:16	

LABORATORY CONTROL SAMPLE: 537476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	333	322	97	51-130	
Acenaphthylene	ug/kg	333	328	98	53-130	
Anthracene	ug/kg	333	343	103	48-130	
Benzo(a)anthracene	ug/kg	333	323	97	55-130	
Benzo(a)pyrene	ug/kg	333	345	103	56-130	
Benzo(b)fluoranthene	ug/kg	333	326	98	53-130	
Benzo(g,h,i)perylene	ug/kg	333	366	110	58-130	
Benzo(k)fluoranthene	ug/kg	333	373	112	55-130	
Chrysene	ug/kg	333	334	100	59-130	
Dibenz(a,h)anthracene	ug/kg	333	373	112	56-130	
Fluoranthene	ug/kg	333	344	103	56-130	
Fluorene	ug/kg	333	336	101	54-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	369	111	57-130	
Naphthalene	ug/kg	333	272	82	43-130	
Phenanthrene	ug/kg	333	335	100	56-130	
Pyrene	ug/kg	333	333	100	54-130	
2-Fluorobiphenyl (S)	%.			88	43-130	
Terphenyl-d14 (S)	%.			97	32-130	

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 537477 537478

Parameter	Units	4053745005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	<2.8	393	393	436	434	111	110	40-130	.3	20	
Acenaphthylene	ug/kg	<3.1	393	393	441	442	112	112	40-130	.2	20	
Anthracene	ug/kg	<4.6	393	393	453	460	115	117	46-130	1	24	
Benzo(a)anthracene	ug/kg	<2.8	393	393	425	434	108	111	42-130	2	25	
Benzo(a)pyrene	ug/kg	<3.2	393	393	457	458	116	117	40-130	.2	31	
Benzo(b)fluoranthene	ug/kg	<3.4	393	393	457	466	116	118	45-130	2	29	
Benzo(g,h,i)perylene	ug/kg	<2.6	393	393	507	508	129	129	16-143	.3	23	
Benzo(k)fluoranthene	ug/kg	<3.7	393	393	423	402	108	102	38-130	5	33	
Chrysene	ug/kg	<3.6	393	393	451	459	115	117	38-130	2	31	
Dibenz(a,h)anthracene	ug/kg	<5.3	393	393	509	509	129	130	30-135	.07	23	
Fluoranthene	ug/kg	<9.8	393	393	453	457	115	116	42-133	.7	28	
Fluorene	ug/kg	<4.9	393	393	439	442	112	112	43-130	.5	22	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.8	393	393	506	509	129	129	15-150	.4	27	
Naphthalene	ug/kg	<3.4	393	393	383	392	97	100	24-130	2	33	
Phenanthrene	ug/kg	5.5J	393	393	439	448	110	112	27-135	2	27	
Pyrene	ug/kg	<3.6	393	393	432	441	110	112	36-130	2	23	
2-Fluorobiphenyl (S)	%.						100	103	43-130			
Terphenyl-d14 (S)	%.						106	108	32-130			

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

QC Batch: OEXT/13251 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4053745001, 4053745002, 4053745003, 4053745005, 4053745006, 4053745007

METHOD BLANK: 536244 Matrix: Solid
Associated Lab Samples: 4053745001, 4053745002, 4053745003, 4053745005, 4053745006, 4053745007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	11/21/11 09:06	

LABORATORY CONTROL SAMPLE & LCSD: 536245 536246

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	23.6	25.6	59	64	70-120	8	20	L0

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QUALITY CONTROL DATA

Project: WE P4
Pace Project No.: 4053745

QC Batch: PMST/6411 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4053745001, 4053745002, 4053745003, 4053745004, 4053745005, 4053745006, 4053745007

SAMPLE DUPLICATE: 537903

Parameter	Units	4053683001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.0	13.2	1	10	

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QUALIFIERS

Project: WE P4
Pace Project No.: 4053745

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
W	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WE P4
Pace Project No.: 4053745

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4053745001	B1-1	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745002	B2-1	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745003	B3-1	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745005	B3-2	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745006	B4-1	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745007	B4-2	WI MOD DRO	OEXT/13251	WI MOD DRO	GCSV/6863
4053745001	B1-1	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745002	B2-1	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745003	B3-1	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745004	B3-1D	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745005	B3-2	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745006	B4-1	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745007	B4-2	TPH GRO/PVOC WI ext.	GCV/7641	WI MOD GRO	GCV/7644
4053745001	B1-1	EPA 3546	OEXT/13275	EPA 8270 by SIM	MSSV/4091
4053745002	B2-1	EPA 3546	OEXT/13276	EPA 8270 by SIM	MSSV/4092
4053745003	B3-1	EPA 3546	OEXT/13276	EPA 8270 by SIM	MSSV/4092
4053745005	B3-2	EPA 3546	OEXT/13276	EPA 8270 by SIM	MSSV/4092
4053745006	B4-1	EPA 3546	OEXT/13276	EPA 8270 by SIM	MSSV/4092
4053745007	B4-2	EPA 3546	OEXT/13276	EPA 8270 by SIM	MSSV/4092
4053745001	B1-1	ASTM D2974-87	PMST/6411		
4053745002	B2-1	ASTM D2974-87	PMST/6411		
4053745003	B3-1	ASTM D2974-87	PMST/6411		
4053745004	B3-1D	ASTM D2974-87	PMST/6411		
4053745005	B3-2	ASTM D2974-87	PMST/6411		
4053745006	B4-1	ASTM D2974-87	PMST/6411		
4053745007	B4-2	ASTM D2974-87	PMST/6411		

(Please Print Clearly)

Company Name:	LF Green Development
Branch/Location:	
Project Contact:	Linda Fellenz
Phone:	414-254-4813
Project Number:	
Project Name:	WE-P4
Project State:	WI
Sampled By (Print):	L Fellenz
Sampled By (Sign):	Linda Fellenz
PO #:	Regulatory Program:

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MN: 612-607-1700 WI: 920-469-2436

Page 1 of

4053745

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	Mark Collins
Invoice To Company:	We Energies
Invoice To Address:	333 W. Everett Milwaukee, WI 53203
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	PVOC + Naphth	GRO	DRO	PAH	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter	F	F					
001	B1-1	11/14/11	9:50	S			X	X	X	X		3-4oz p/ag/cg[A], 1-40ml[F]	
002	B2-1		10:30	S			X	X	X	X			
003	B3-1		11:00	S			X	X	X	X			
004	B3-1D		11:00	S			X					1-4oz pH	
005	B3-2		11:00	S			X	X	X	X			
006	B4-1		11:30	S			X	X	X	X			
007	B4-2		11:30	S			X	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	LFellenz@LFgreendevelopment.com
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Linda Fellenz	11/16/11 9:00	D. Farnil	11/16/11 1960
D. Farnil	11/16/11 1700	CS Logistics	
CS Logistics	11/17/11 0820	E Hellwig Pace	11/17/11 0820

PACE Project No. 4053745

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / ~~Not Present~~ ~~Intact~~ / Not Intact

Version 6.0 08/14/06

C019a(27Jun2006)

ORIGINAL

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December 13, 2011

David Kollakowsky
We Energies
PO Box 2179
Room P129
Milwaukee, WI 532012179

RE: Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Dear David Kollakowsky:
Enclosed are the analytical results for sample(s) received by the laboratory on December 03, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4054316001	**MW-1 AD46531**	Water	12/01/11 09:45	12/03/11 08:25
4054316002	**P-2 AD46532**	Water	12/01/11 10:10	12/03/11 08:25
4054316003	**MW-3 AD46533**	Water	12/01/11 10:20	12/03/11 08:25
4054316004	**QC-1 AD46534**	Water	12/01/11 00:00	12/03/11 08:25
4054316005	**TRIP BLANK AD46535**	Water	12/01/11 00:00	12/03/11 08:25

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SAMPLE ANALYTE COUNT

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4054316001	**MW-1 AD46531**	WI MOD GRO	SES	9
		EPA 8270 by SIM	RJN	20
4054316002	**P-2 AD46532**	WI MOD GRO	SES	9
		EPA 8270 by SIM	RJN	20
4054316003	**MW-3 AD46533**	WI MOD GRO	SES	9
		EPA 8270 by SIM	RJN	20
4054316004	**QC-1 AD46534**	WI MOD GRO	SES	9
		EPA 8270 by SIM	RJN	20
4054316005	**TRIP BLANK AD46535**	WI MOD GRO	SES	9

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ANALYTICAL RESULTS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Sample: MW-1 AD46531 **Lab ID: 4054316001** Collected: 12/01/11 09:45 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/12/11 11:10	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/12/11 11:10	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/12/11 11:10	1634-04-4	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/12/11 11:10	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/12/11 11:10	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/12/11 11:10	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		12/12/11 11:10	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		12/12/11 11:10	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%.	80-120		1		12/12/11 11:10	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/07/11 12:00	12/08/11 10:08	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/07/11 12:00	12/08/11 10:08	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	12/07/11 12:00	12/08/11 10:08	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	12/07/11 12:00	12/08/11 10:08	56-55-3	
Benzo(a)pyrene	**<0.0029**	ug/L	0.047	0.0029	1	12/07/11 12:00	12/08/11 10:08	50-32-8	
Benzo(b)fluoranthene	**<0.0034**	ug/L	0.047	0.0034	1	12/07/11 12:00	12/08/11 10:08	205-99-2	
Benzo(g,h,i)perylene	**<0.0048**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:08	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/07/11 12:00	12/08/11 10:08	207-08-9	L3
Chrysene	**0.0052J**	ug/L	0.047	0.0035	1	12/07/11 12:00	12/08/11 10:08	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/07/11 12:00	12/08/11 10:08	53-70-3	
Fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/07/11 12:00	12/08/11 10:08	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/07/11 12:00	12/08/11 10:08	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	12/07/11 12:00	12/08/11 10:08	90-12-0	
2-Methylnaphthalene	**<0.0039**	ug/L	0.047	0.0039	1	12/07/11 12:00	12/08/11 10:08	91-57-6	
Naphthalene	**0.0072J**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:08	91-20-3	B
Phenanthrene	**0.0084J**	ug/L	0.047	0.0081	1	12/07/11 12:00	12/08/11 10:08	85-01-8	
Pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/07/11 12:00	12/08/11 10:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	66	%.	27-130		1	12/07/11 12:00	12/08/11 10:08	321-60-8	
Terphenyl-d14 (S)	99	%.	66-140		1	12/07/11 12:00	12/08/11 10:08	1718-51-0	

Sample: P-2 AD46532 **Lab ID: 4054316002** Collected: 12/01/11 10:10 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/12/11 11:35	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/12/11 11:35	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/12/11 11:35	1634-04-4	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/12/11 11:35	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/12/11 11:35	95-63-6	

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ANALYTICAL RESULTS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Sample: P-2 AD46532 **Lab ID: 4054316002** Collected: 12/01/11 10:10 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/12/11 11:35	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		12/12/11 11:35	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		12/12/11 11:35	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1		12/12/11 11:35	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/07/11 12:00	12/08/11 10:25	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/07/11 12:00	12/08/11 10:25	208-96-8	
Anthracene	**0.0070J**	ug/L	0.047	0.0057	1	12/07/11 12:00	12/08/11 10:25	120-12-7	
Benzo(a)anthracene	**0.0064J**	ug/L	0.047	0.0036	1	12/07/11 12:00	12/08/11 10:25	56-55-3	
Benzo(a)pyrene	**0.0061J**	ug/L	0.047	0.0029	1	12/07/11 12:00	12/08/11 10:25	50-32-8	
Benzo(b)fluoranthene	**0.0061J**	ug/L	0.047	0.0034	1	12/07/11 12:00	12/08/11 10:25	205-99-2	
Benzo(g,h,i)perylene	**0.0062J**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:25	191-24-2	
Benzo(k)fluoranthene	**0.0061J**	ug/L	0.047	0.0044	1	12/07/11 12:00	12/08/11 10:25	207-08-9	L1
Chrysene	**0.011J**	ug/L	0.047	0.0035	1	12/07/11 12:00	12/08/11 10:25	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/07/11 12:00	12/08/11 10:25	53-70-3	
Fluoranthene	**0.016J**	ug/L	0.047	0.0044	1	12/07/11 12:00	12/08/11 10:25	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:25	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/07/11 12:00	12/08/11 10:25	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	12/07/11 12:00	12/08/11 10:25	90-12-0	
2-Methylnaphthalene	**<0.0039**	ug/L	0.047	0.0039	1	12/07/11 12:00	12/08/11 10:25	91-57-6	
Naphthalene	**0.0074J**	ug/L	0.047	0.0048	1	12/07/11 12:00	12/08/11 10:25	91-20-3	B
Phenanthrene	**0.020J**	ug/L	0.047	0.0081	1	12/07/11 12:00	12/08/11 10:25	85-01-8	
Pyrene	**0.014J**	ug/L	0.047	0.0047	1	12/07/11 12:00	12/08/11 10:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%.	27-130		1	12/07/11 12:00	12/08/11 10:25	321-60-8	
Terphenyl-d14 (S)	98	%.	66-140		1	12/07/11 12:00	12/08/11 10:25	1718-51-0	

Sample: MW-3 AD46533 **Lab ID: 4054316003** Collected: 12/01/11 10:20 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/12/11 12:00	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/12/11 12:00	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:00	1634-04-4	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/12/11 12:00	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/12/11 12:00	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/12/11 12:00	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		12/12/11 12:00	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:00	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		1		12/12/11 12:00	98-08-8	

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ANALYTICAL RESULTS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Sample: MW-3 AD46533 **Lab ID: 4054316003** Collected: 12/01/11 10:20 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0049**	ug/L	0.051	0.0049	1	12/07/11 12:00	12/08/11 10:43	83-32-9	
Acenaphthylene	**<0.0039**	ug/L	0.051	0.0039	1	12/07/11 12:00	12/08/11 10:43	208-96-8	
Anthracene	**<0.0062**	ug/L	0.051	0.0062	1	12/07/11 12:00	12/08/11 10:43	120-12-7	
Benzo(a)anthracene	**<0.0039**	ug/L	0.051	0.0039	1	12/07/11 12:00	12/08/11 10:43	56-55-3	
Benzo(a)pyrene	**<0.0031**	ug/L	0.051	0.0031	1	12/07/11 12:00	12/08/11 10:43	50-32-8	
Benzo(b)fluoranthene	**<0.0037**	ug/L	0.051	0.0037	1	12/07/11 12:00	12/08/11 10:43	205-99-2	
Benzo(g,h,i)perylene	**<0.0052**	ug/L	0.051	0.0052	1	12/07/11 12:00	12/08/11 10:43	191-24-2	
Benzo(k)fluoranthene	**<0.0047**	ug/L	0.051	0.0047	1	12/07/11 12:00	12/08/11 10:43	207-08-9	L3
Chrysene	**0.0041J**	ug/L	0.051	0.0038	1	12/07/11 12:00	12/08/11 10:43	218-01-9	
Dibenz(a,h)anthracene	**<0.0035**	ug/L	0.051	0.0035	1	12/07/11 12:00	12/08/11 10:43	53-70-3	
Fluoranthene	**<0.0048**	ug/L	0.051	0.0048	1	12/07/11 12:00	12/08/11 10:43	206-44-0	
Fluorene	**<0.0052**	ug/L	0.051	0.0052	1	12/07/11 12:00	12/08/11 10:43	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0051**	ug/L	0.051	0.0051	1	12/07/11 12:00	12/08/11 10:43	193-39-5	
1-Methylnaphthalene	**<0.0054**	ug/L	0.051	0.0054	1	12/07/11 12:00	12/08/11 10:43	90-12-0	
2-Methylnaphthalene	**<0.0042**	ug/L	0.051	0.0042	1	12/07/11 12:00	12/08/11 10:43	91-57-6	
Naphthalene	**0.015J**	ug/L	0.051	0.0052	1	12/07/11 12:00	12/08/11 10:43	91-20-3	B
Phenanthrene	**<0.0088**	ug/L	0.051	0.0088	1	12/07/11 12:00	12/08/11 10:43	85-01-8	
Pyrene	**<0.0051**	ug/L	0.051	0.0051	1	12/07/11 12:00	12/08/11 10:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%.	27-130		1	12/07/11 12:00	12/08/11 10:43	321-60-8	
Terphenyl-d14 (S)	99	%.	66-140		1	12/07/11 12:00	12/08/11 10:43	1718-51-0	

Sample: QC-1 AD46534 **Lab ID: 4054316004** Collected: 12/01/11 00:00 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/12/11 12:25	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/12/11 12:25	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:25	1634-04-4	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/12/11 12:25	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/12/11 12:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/12/11 12:25	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		12/12/11 12:25	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:25	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%.	80-120		1		12/12/11 12:25	98-08-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**<0.0045**	ug/L	0.047	0.0045	1	12/08/11 12:00	12/08/11 13:02	83-32-9	
Acenaphthylene	**<0.0036**	ug/L	0.047	0.0036	1	12/08/11 12:00	12/08/11 13:02	208-96-8	
Anthracene	**<0.0057**	ug/L	0.047	0.0057	1	12/08/11 12:00	12/08/11 13:02	120-12-7	
Benzo(a)anthracene	**<0.0036**	ug/L	0.047	0.0036	1	12/08/11 12:00	12/08/11 13:02	56-55-3	
Benzo(a)pyrene	**<0.0029**	ug/L	0.047	0.0029	1	12/08/11 12:00	12/08/11 13:02	50-32-8	

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ANALYTICAL RESULTS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

Sample: QC-1 AD46534 **Lab ID: 4054316004** Collected: 12/01/11 00:00 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Benzo(b)fluoranthene	**<0.0034**	ug/L	0.047	0.0034	1	12/08/11 12:00	12/08/11 13:02	205-99-2	
Benzo(g,h,i)perylene	**<0.0048**	ug/L	0.047	0.0048	1	12/08/11 12:00	12/08/11 13:02	191-24-2	
Benzo(k)fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/08/11 12:00	12/08/11 13:02	207-08-9	
Chrysene	**0.0056J**	ug/L	0.047	0.0035	1	12/08/11 12:00	12/08/11 13:02	218-01-9	
Dibenz(a,h)anthracene	**<0.0032**	ug/L	0.047	0.0032	1	12/08/11 12:00	12/08/11 13:02	53-70-3	
Fluoranthene	**<0.0044**	ug/L	0.047	0.0044	1	12/08/11 12:00	12/08/11 13:02	206-44-0	
Fluorene	**<0.0048**	ug/L	0.047	0.0048	1	12/08/11 12:00	12/08/11 13:02	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/08/11 12:00	12/08/11 13:02	193-39-5	
1-Methylnaphthalene	**<0.0050**	ug/L	0.047	0.0050	1	12/08/11 12:00	12/08/11 13:02	90-12-0	
2-Methylnaphthalene	**<0.0039**	ug/L	0.047	0.0039	1	12/08/11 12:00	12/08/11 13:02	91-57-6	
Naphthalene	**0.0064J**	ug/L	0.047	0.0048	1	12/08/11 12:00	12/08/11 13:02	91-20-3	
Phenanthrene	**0.015J**	ug/L	0.047	0.0081	1	12/08/11 12:00	12/08/11 13:02	85-01-8	
Pyrene	**<0.0047**	ug/L	0.047	0.0047	1	12/08/11 12:00	12/08/11 13:02	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%.	27-130		1	12/08/11 12:00	12/08/11 13:02	321-60-8	
Terphenyl-d14 (S)	100	%.	66-140		1	12/08/11 12:00	12/08/11 13:02	1718-51-0	

Sample: TRIP BLANK AD46535 **Lab ID: 4054316005** Collected: 12/01/11 00:00 Received: 12/03/11 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		12/12/11 12:50	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		12/12/11 12:50	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:50	1634-04-4	
Toluene	**<0.42**	ug/L	1.0	0.42	1		12/12/11 12:50	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		12/12/11 12:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		12/12/11 12:50	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		12/12/11 12:50	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		12/12/11 12:50	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%.	80-120		1		12/12/11 12:50	98-08-8	

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QUALITY CONTROL DATA

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

QC Batch: GCV/7726 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4054316001, 4054316002, 4054316003, 4054316004, 4054316005

METHOD BLANK: 544870 Matrix: Water
Associated Lab Samples: 4054316001, 4054316002, 4054316003, 4054316004, 4054316005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	12/12/11 08:40	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	12/12/11 08:40	
Benzene	ug/L	<0.39	1.0	12/12/11 08:40	
Ethylbenzene	ug/L	<0.41	1.0	12/12/11 08:40	
m&p-Xylene	ug/L	<0.87	2.0	12/12/11 08:40	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	12/12/11 08:40	
o-Xylene	ug/L	<0.38	1.0	12/12/11 08:40	
Toluene	ug/L	<0.42	1.0	12/12/11 08:40	
a,a,a-Trifluorotoluene (S)	%.	100	80-120	12/12/11 08:40	

LABORATORY CONTROL SAMPLE & LCSD: 544871 544872

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.2	20.3	101	102	80-120	.8	20	
1,3,5-Trimethylbenzene	ug/L	20	19.9	20.0	100	100	80-120	.3	20	
Benzene	ug/L	20	21.2	21.2	106	106	80-120	.4	20	
Ethylbenzene	ug/L	20	19.9	20.2	100	101	80-120	1	20	
m&p-Xylene	ug/L	40	39.7	40.1	99	100	80-120	.9	20	
Methyl-tert-butyl ether	ug/L	20	20.6	20.9	103	104	80-120	1	20	
o-Xylene	ug/L	20	19.9	20.0	100	100	80-120	.5	20	
Toluene	ug/L	20	20.3	20.5	102	102	80-120	.7	20	
a,a,a-Trifluorotoluene (S)	%.				101	101	80-120			

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QUALITY CONTROL DATA

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

QC Batch: OEXT/13383 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4054316001, 4054316002, 4054316003

METHOD BLANK: 543253 Matrix: Water
Associated Lab Samples: 4054316001, 4054316002, 4054316003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	12/08/11 08:40	
2-Methylnaphthalene	ug/L	<0.0041	0.050	12/08/11 08:40	
Acenaphthene	ug/L	<0.0048	0.050	12/08/11 08:40	
Acenaphthylene	ug/L	<0.0038	0.050	12/08/11 08:40	
Anthracene	ug/L	<0.0061	0.050	12/08/11 08:40	
Benzo(a)anthracene	ug/L	<0.0038	0.050	12/08/11 08:40	
Benzo(a)pyrene	ug/L	<0.0030	0.050	12/08/11 08:40	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	12/08/11 08:40	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	12/08/11 08:40	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	12/08/11 08:40	
Chrysene	ug/L	<0.0037	0.050	12/08/11 08:40	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	12/08/11 08:40	
Fluoranthene	ug/L	<0.0047	0.050	12/08/11 08:40	
Fluorene	ug/L	<0.0051	0.050	12/08/11 08:40	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	12/08/11 08:40	
Naphthalene	ug/L	0.0087J	0.050	12/08/11 08:40	
Phenanthrene	ug/L	<0.0086	0.050	12/08/11 08:40	
Pyrene	ug/L	<0.0050	0.050	12/08/11 08:40	
2-Fluorobiphenyl (S)	%.	79	27-130	12/08/11 08:40	
Terphenyl-d14 (S)	%.	75	66-140	12/08/11 08:40	

LABORATORY CONTROL SAMPLE & LCSD: 543254 543255

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.17	0.17	83	87	32-130	5	50	
2-Methylnaphthalene	ug/L	.2	0.16	0.17	82	84	29-130	2	50	
Acenaphthene	ug/L	.2	0.20	0.19	98	97	30-130	.3	49	
Acenaphthylene	ug/L	.2	0.18	0.18	92	92	23-130	.09	48	
Anthracene	ug/L	.2	0.18	0.17	91	87	20-130	4	46	
Benzo(a)anthracene	ug/L	.2	0.21	0.21	103	107	34-130	3	21	
Benzo(a)pyrene	ug/L	.2	0.21	0.23	107	113	41-130	5	20	
Benzo(b)fluoranthene	ug/L	.2	0.19	0.19	95	97	31-131	2	24	
Benzo(g,h,i)perylene	ug/L	.2	0.22	0.23	110	115	51-130	5	20	
Benzo(k)fluoranthene	ug/L	.2	0.24	0.26	119	131	56-130	10	23	L0
Chrysene	ug/L	.2	0.23	0.23	113	115	55-130	2	20	
Dibenz(a,h)anthracene	ug/L	.2	0.22	0.23	111	115	40-130	4	20	
Fluoranthene	ug/L	.2	0.22	0.22	109	109	38-130	.3	40	
Fluorene	ug/L	.2	0.20	0.20	101	99	27-130	2	50	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.22	0.23	109	115	48-130	5	20	
Naphthalene	ug/L	.2	0.17	0.18	87	92	33-130	5	50	
Phenanthrene	ug/L	.2	0.22	0.21	111	106	28-130	5	47	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

LABORATORY CONTROL SAMPLE & LCSD: 543254 543255

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Pyrene	ug/L	.2	0.21	0.21	106	105	41-130	.9	40	
2-Fluorobiphenyl (S)	%.				85	84	27-130			
Terphenyl-d14 (S)	%.				101	97	66-140			

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

QC Batch: OEXT/13389
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Associated Lab Samples: 4054316004

METHOD BLANK: 543585 Matrix: Water
Associated Lab Samples: 4054316004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0053	0.050	12/08/11 11:35	
2-Methylnaphthalene	ug/L	<0.0041	0.050	12/08/11 11:35	
Acenaphthene	ug/L	<0.0048	0.050	12/08/11 11:35	
Acenaphthylene	ug/L	<0.0038	0.050	12/08/11 11:35	
Anthracene	ug/L	<0.0061	0.050	12/08/11 11:35	
Benzo(a)anthracene	ug/L	<0.0038	0.050	12/08/11 11:35	
Benzo(a)pyrene	ug/L	<0.0030	0.050	12/08/11 11:35	
Benzo(b)fluoranthene	ug/L	<0.0036	0.050	12/08/11 11:35	
Benzo(g,h,i)perylene	ug/L	<0.0051	0.050	12/08/11 11:35	
Benzo(k)fluoranthene	ug/L	<0.0046	0.050	12/08/11 11:35	
Chrysene	ug/L	<0.0037	0.050	12/08/11 11:35	
Dibenz(a,h)anthracene	ug/L	<0.0034	0.050	12/08/11 11:35	
Fluoranthene	ug/L	<0.0047	0.050	12/08/11 11:35	
Fluorene	ug/L	<0.0051	0.050	12/08/11 11:35	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0050	0.050	12/08/11 11:35	
Naphthalene	ug/L	0.0060J	0.050	12/08/11 11:35	
Phenanthrene	ug/L	<0.0086	0.050	12/08/11 11:35	
Pyrene	ug/L	<0.0050	0.050	12/08/11 11:35	
2-Fluorobiphenyl (S)	%.	69	27-130	12/08/11 11:35	
Terphenyl-d14 (S)	%.	93	66-140	12/08/11 11:35	

LABORATORY CONTROL SAMPLE & LCSD: 543586 543587

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	.2	0.15	0.11	76	55	32-130	32	50	
2-Methylnaphthalene	ug/L	.2	0.15	0.11	74	53	29-130	33	50	
Acenaphthene	ug/L	.2	0.18	0.13	89	64	30-130	33	49	
Acenaphthylene	ug/L	.2	0.17	0.12	83	60	23-130	32	48	
Anthracene	ug/L	.2	0.15	0.11	77	55	20-130	33	46	
Benzo(a)anthracene	ug/L	.2	0.19	0.18	93	89	34-130	4	21	
Benzo(a)pyrene	ug/L	.2	0.21	0.21	104	106	41-130	3	20	
Benzo(b)fluoranthene	ug/L	.2	0.21	0.21	107	103	31-131	4	24	
Benzo(g,h,i)perylene	ug/L	.2	0.21	0.22	104	108	51-130	4	20	
Benzo(k)fluoranthene	ug/L	.2	0.22	0.23	109	115	56-130	5	23	
Chrysene	ug/L	.2	0.23	0.23	115	115	55-130	.4	20	
Dibenz(a,h)anthracene	ug/L	.2	0.19	0.20	97	98	40-130	1	20	
Fluoranthene	ug/L	.2	0.19	0.16	97	78	38-130	22	40	
Fluorene	ug/L	.2	0.18	0.13	89	63	27-130	34	50	
Indeno(1,2,3-cd)pyrene	ug/L	.2	0.20	0.20	99	102	48-130	3	20	
Naphthalene	ug/L	.2	0.17	0.12	87	61	33-130	34	50	
Phenanthrene	ug/L	.2	0.18	0.14	91	69	28-130	29	47	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

LABORATORY CONTROL SAMPLE & LCSD: 543586 543587

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Pyrene	ug/L	.2	0.20	0.16	101	79	41-130	25	40	
2-Fluorobiphenyl (S)	%.				82	56	27-130			
Terphenyl-d14 (S)	%.				99	81	66-140			

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 1207363 P4 TRACTOR GARAGE
Pace Project No.: 4054316

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

BATCH QUALIFIERS

Batch: MSSV/4132

[IP]	Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 8270C. Sample results included are reported as individual isomers, but the lab and the client must recognize them as an isomeric pair.
[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSSV/4135

[IP]	Benzo(b)fluoranthene and benzo(k)fluoranthene were separated in the check standard but did not meet the resolution criteria in SW846 8270C. Sample results included are reported as individual isomers, but the lab and the client must recognize them as an isomeric pair.
[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCV/7726

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

ATTACHMENT D

BORING LOGS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ ____________

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
We energies P-4		B-1

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name: Last Name: Firm: Horizon	m m / d d / y y y y	m m / d d / y y y y	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			______ Feet MSL	______ Feet MSL	______ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ______________ N, ______________ E
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ☐ N ☐ E ______ Feet ☐ S ______ Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Kenosha		Pleasant Prairie

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0-2	Asphalt and gravel										
			2-4											
			4-6											
			6-8	Sand gravel Brown stiff to grey stiff										
			8-10	Dry some mottling										No ODOR
			10-12	DAMP-Moist Brown to grey										
			12-20	Stiff - slightly 12-18 silty 20 ft silty clay		EOB			20'					

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

Signature	Firm
[signature]	LF Green Development, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

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

Page ____ of 4

Facility/Project Name: WE Energies P-4	License/Permit/Monitoring Number	Boring Number: B-2

Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: Firm: Horizon	Date Drilling Started m m / d d / y y y y	Date Drilling Completed m m / d d / y y y y	Drilling Method: Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level ______ Feet MSL	Surface Elevation ______ Feet MSL	Borehole Diameter ______ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ______________ N, ______________ E
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ______ Feet ☐ N ☐ S ______ Feet ☐ E ☐ W

Facility ID	County: Kenosha	County Code	Civil Town/City/ or Village: Pleasant Prairie

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
			0	[illegible]										
			2											
				[illegible]										
			2	Brown [illegible]										
			4	[illegible] gray										
				w/ gravel										
			4											
			6	[illegible]										
			6	Brown [illegible]										
			8											
			8	10-15 [illegible]										
			10	[illegible]										
				[illegible]										
			10	[illegible]										
			12	15-20 gray										
			[illegible]											
			20	Sample @ 15-17'										
				[illegible] sand										

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

Signature: [signature]	Firm: [illegible] Development, LLC

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐ ____________

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
[illegible] P-4		B-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
First Name ____ Last Name ____ Firm: HORIZON	m m / d d / y y y y	m m / d d / y y y y	Geoprobe

WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			____ Feet MSL	____ Feet MSL	____ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ____________ N, ____________ E
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____
Lat ____ ° ____ ' ____ "
Long ____ ° ____ ' ____ "
Local Grid Location ____ Feet ☐ N ☐ S ____ Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	KENOSHA		Pleasant Prairie

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Moved from [illegible]										
			2	[illegible] island										
				[illegible]										
			4	≈ 12" [illegible]										
			4	B3 [illegible]										
			6	0-2 asphalt [illegible]										
			6	concrete										
			5	2-5 brown [illegible]										
			5	[illegible] sand [illegible] gravel										
			10	stiff clay [illegible]										
			10	" [illegible]										
			12	1-5										
			15	5-10 small [illegible]										
			20	12-15 - [illegible] 15-20 - [illegible] clay [illegible] damp not wet										

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

Signature	Firm
[illegible signature]	[illegible] Development, LLC

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

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

Page 4 of 4

Facility/Project Name: We energies B-4
License/Permit/Monitoring Number:
Boring Number: B-4

Boring Drilled By: Name of crew chief (first, last) and Firm
First Name: Last Name:
Firm: Horizon

Date Drilling Started: m m / d d / y y y y
Date Drilling Completed: m m / d d / y y y y
Drilling Method: Geoprobe

WI Unique Well No.: ______ DNR Well ID No.: ______ Well Name: ______
Final Static Water Level: ______ Feet MSL
Surface Elevation: ______ Feet MSL
Borehole Diameter: ______ inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane ______ N, ______ E
Lat ___ ° ___ ' ___ "
Long ___ ° ___ ' ___ "
Local Grid Location ______ ☐ N ______ ☐ E
______ Feet ☐ S ______ Feet ☐ W
____ 1/4 of ____ 1/4 of Section ____, T ____ N, R ____

Facility ID:
County: Kenosha
County Code:
Civil Town/City/ or Village: Pleasant Prairie

Sample: Number and Type	Sample: Length Att. & Recovered (in)	Blow Counts	Depth In Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/Comments
			0	asp. hall + fill → 1'										
			2	fill materia → 3.5'										
			4	lite Br gravel / silty sand		No odor								
			4											
				5-8' brown										
			4	[illegible] silty clay		No odor								
			6	10-15'										
			6	gray soft to stiff										
			8	silty clay										
			8											
			10											
			10											
			12											
			12	Sampled 16 18'										
			20											

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

Signature: [signature]
Firm: LF Green Development, LLC

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $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. NOTE: See instructions for more information, including where the completed form should be sent.

We Energies
231 W. Michigan St.
Milwaukee, WI 53203
www.we-energies.com

October 12, 2011

Ms. Victoria Stovall
Wisconsin Department of Natural Resources
2300 N. Martin Luther King Jr. Drive
Milwaukee, Wisconsin 53212

Subject: *Work Plan*
Pleasant Prairie Power Plant Tractor Garage Refueling Area
8000 95th Street, Kenosha, Wisconsin
WDNR FID: 230006260
WDNR BRRTS: 03-30-210485

Dear Ms. Stovall:

We Energies is pleased to provide this work plan for environmental services regarding the above referenced project.

INTRODUCTION:

In December 1998, a petroleum release was reported by We Energies to the Wisconsin Department of Natural Resources (WDNR). The release was identified during an upgrade to piping associated with two Underground Storage Tanks (USTs) located at the site. This work plan outlines additional investigation proposed for the site.

SITE INVESTIGATION:

Our work plan includes installing additional soil borings around the UST location to delineate the soil impacts and sampling groundwater monitoring wells near the UST area. The details of the environmental site investigation are outlined below:

- Review the previous investigation data available.
- Coordinate subcontractors – driller, laboratory, and diggers hotline.
- Advance 4 geoprobe borings around the UST area. One boring on the east, west, north, and south of the UST area.
- Collect one to two soil samples per boring for laboratory analysis, including QA/QC samples.
- Analyze the soil for Diesel Range Organics (DRO), Gasoline Range Organics (GRO), Petroleum Range Organics (PVOC) plus naphthalene, and Polyaromatic Hydrocarbons (PAH).
- Containerize and manage the investigative wastes;
- Collect groundwater samples from MW-3/P2 and MW-1 for PVOCs plus naphthalene and PAH.

We Energies
231 W. Michigan St.
Milwaukee, WI 53203
www.we-energies.com

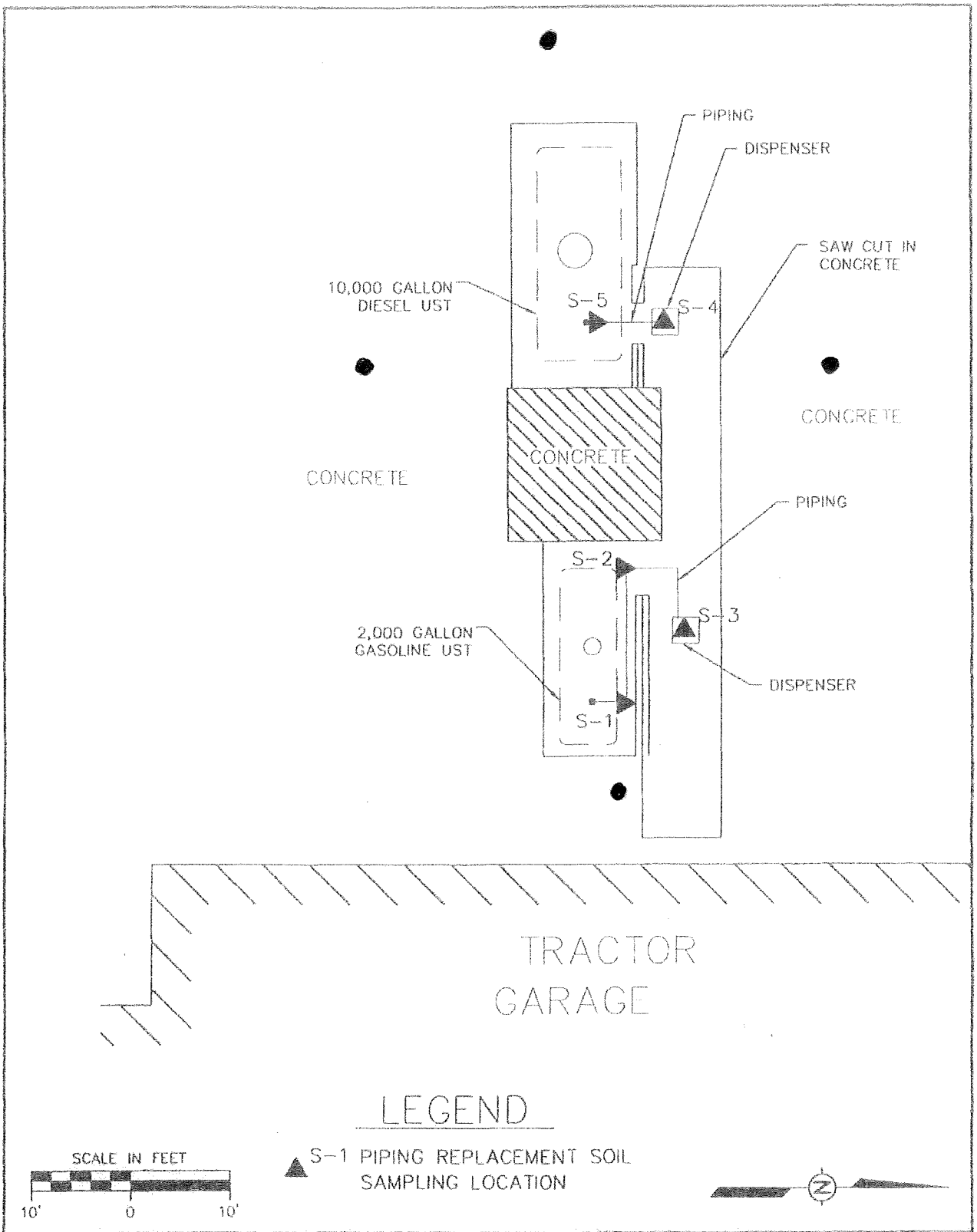
- Determine the contaminants present in the soil and groundwater.
- Establish the horizontal and vertical extent of impacted soil and/or groundwater associated with this release.
- Evaluate field work and laboratory results.
- Preparation of a Site Investigation report providing a summary of fieldwork, results, conclusions and recommendations.
- Determine whether additional investigation is needed to fully establish the vertical and horizontal extent of soil and groundwater impacts.

We plan to initiate the investigation activities in October 2011 and have them completed by early 2012. LF Green Development, LLC is the environmental consultant for the project. The project manager for LF Green is Ms. Linda Fellenz.

If you have any questions or comments, please feel free to contact me all me at 414-221-4778.

Sincerely,

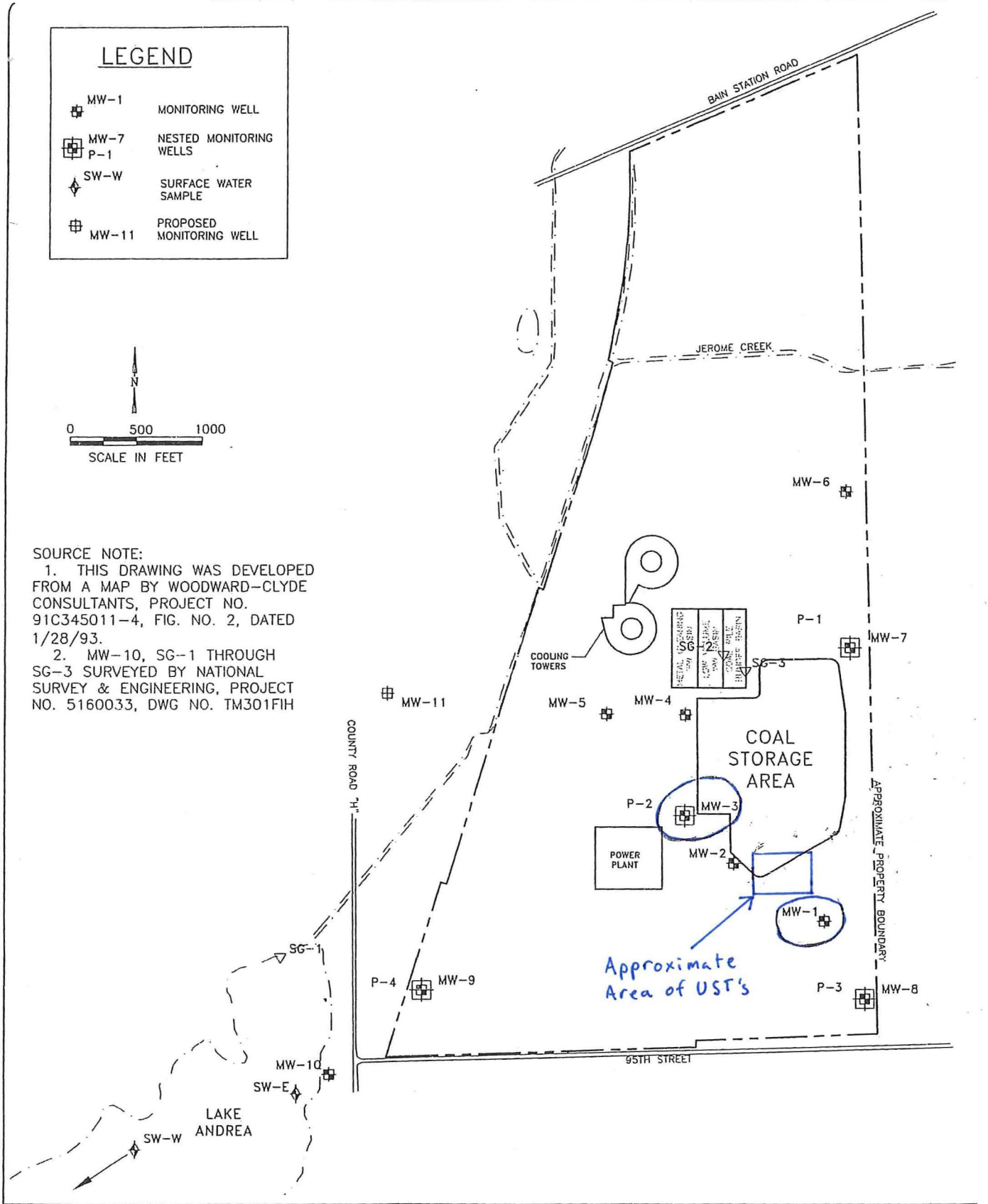
C. Luke Peters
We Energies – Environmental



STS Consultants Ltd.
Consulting Engineers

SOIL SAMPLING LOCATIONS
TRACTOR GARAGE REFUELING AREA
WISCONSIN ELECTRIC
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY	SNL	12/7/98
CHECKED BY	KWY	12/7/98
APPROVED BY	TWY	12/7/98
CADFILE G55863000	SCALE AS SHOWN	
STS PROJECT NO. 85863XA	FIGURE NO. #2B	



SITE LAYOUT

COAL AREA MONITORING REPORT
WE ENERGIES
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY: HMS 06/14/06 APP'D BY: CAR DATE: 08/16/06

NATURAL RESOURCE TECHNOLOGY

PROJECT NO. 1580/2.0

DRAWING NO. 1580-2-A02

FIGURE NO. 2

We Energies
231 W. Michigan St.
Milwaukee, WI 53203
www.we-energies.com

August 25, 2011

Mr. Mark Gordon
Wisconsin Dept. of Natural Resources
101 S Webster Street - RR/5
Madison WI 53703

RE: *Consultant Notification/Project Status Update*
Pleasant Prairie Power Plant Tractor Garage Refueling Area
8000 95th Street, Kenosha, Wisconsin
WDNR FID: 230006260
WDNR BRRTS: 03-30-210485

Dear Mr. Gordon:

On December 29th, 1998 Wisconsin Electric Power Company (d.b.a. We Energies) informed the Wisconsin Department of Natural Resources (WDNR) that leaded gasoline and diesel fuel which leaked from underground storage systems caused soil contamination in the vicinity of the tractor garage refueling area at Pleasant Prairie Power Plant in Kenosha, Wisconsin.

We Energies plans to retain LF Green Development, LLC as the environmental consultant for the project. The project manager for LF Green is Ms. Linda Fellenz. Once a contract is in place with LF Green, additional soil sampling locations will be chosen to investigate the current conditions in the soil in the vicinity of the tanks and piping. A work plan will be submitted near the end of September with field work to follow.

If you have any questions, please feel free to contact me at 414-221-4778.

Sincerely,

C Luke Peters

C. Luke Peters
We Energies – Environmental

230006260

Wisconsin Electric
A WISCONSIN ENERGY COMPANY

Wisconsin Electric
231 W. Michigan
P.O. Box 2046
Milwaukee, WI 53201-2046
Phone 414 221-2345

February 12, 1999

RECEIVED
FEB 18 1999
By

Mr. Michael Farley
Department of Natural Resources
Box 12436
Milwaukee, WI 53212

RE: Closure Assessment Report
Pleasant Prairie Power Plant, 8000 95th Street, Kenosha
BRRTS: 03-30-210485
Status Update

Dear Mr. Farley:

Enclosed, please find a copy of the *Closure Assessment Report* dated January 27, 1999. This report was prepared by STS Consultants, Ltd. The report documents the removal of piping from a 1,000 gallon gasoline underground tank and a 10,000 gallon underground tank.

As stated in your January 15, 1999 letter "Steps to Take" we have retained HSI Geotrans, 175 N. Corporate Drive, Suite 100 Brookfield, WI 53045 to investigate the extent of petroleum contamination from the removal of the piping.

The project manager for HSI is Ms. Jennifer Johanson. Ms. Johanson can be reached at 414-792-1282. The Wisconsin Electric contact person will be Mr. Mark Collins. Mr. Collins can be reached at 414-221-2162.

We will provide a workplan for the investigation to the Department by your deadline of 4-12-99.

If you have any questions, please feel free to contact Mr. Collins.

Sincerely,

Liz Stueck-Mullane
Senior Environmental Specialist
Wisconsin Electric Power Company

enclosure

cc: Mark Collins-w/out enclosure
Jennifer Johanson, HSI Geotrans, 175 N. Corporate Drive, Suite 100, Brookfield, WI 53045-w/out enclosure

R E P O R T

Wisconsin Electric

333 West Everett Street
Milwaukee, Wisconsin 53203

Underground Storage Tank Piping Replacement Report

Wisconsin Electric

Tractor Garage Refueling Area

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

STS Project No. 85863XA

January 27, 1999

STS Consultants, Ltd.
Solutions through Science & Engineering

January 27, 1999

Ms. Liz Stueck-Mullane
Wisconsin Electric
333 West Everett Street
Milwaukee, Wisconsin 53201

Re: Underground Storage Tank Piping Replacement Report for the Wisconsin Electric Pleasant Prairie Power Plant facility (Tractor Garage Refueling Area) Located in Pleasant Prairie, Wisconsin -- STS Project No. 85863XA

Dear Liz:

STS Consultants Ltd. is pleased to submit this Underground Storage Tank Piping Replacement Report for the above-referenced site. The report contains summaries of the information collected during the piping replacement.

We appreciate the opportunity to be of service to you. Please contact us at (414) 359-3030 if you have any questions or comments regarding this report or this project.

Sincerely,

STS CONSULTANTS LTD.

Ken W. Yass

Kenneth W. Yass, E.I.T., CHMM
Project Engineer

Tom Kroeger/KWY

Thomas W. Kroeger
Principal Scientist

Attachments

TABLE OF CONTENTS

Page No.

EXECUTIVE SUMMARY

Wisconsin Electric (WE) retained STS Consultants, Ltd. (STS) to perform a site assessment following the replacement of buried piping which connected two separate underground storage tanks (USTs) holding diesel and gasoline fuel for refueling equipment at WE's Pleasant Prairie Power Plant facility. The assessment was performed to determine if diesel range organics (DRO) and gasoline range organics (GRO) were released into the environment. STS prepared this report to summarize field activities and observations, and the results of independent laboratory analysis for soil samples collected during the assessment.

U.S. Petroleum Equipment and Environmental Services (U.S. Pertroleum) replaced the piping with flexible piping. Prior to replacement, the product in the piping was drained back to the USTs. U.S. Petroleum then removed the piping and disposed of it on site for recycling where it was rendered useless for all but scrap.

STS inspected the piping excavation on December 1, 1998 for any evidence of a release. Obvious odors and discolored soil were noted in the tank/piping backfill soils. Native soil was not encountered within 3 feet below the piping elevation. The piping excavation backfill was sand and gravel. Groundwater was not observed during pipe replacement activities.

Although a release was obvious based on petroleum odors in backfill soils, soil samples were collected to begin to assess the magnitude and lateral distribution of the release. Five soil samples were collected from the backfill and analyzed for DRO and three soil samples were analyzed for GRO. The soil sample results were compared to the NR720, WAC generic residual contaminant level (RCL) Table 1 value of 100 milligrams per kilogram (mg/kg) for DRO and GRO. All of the backfill samples analyzed contained GRO and DRO concentrations above the generic RCL. GRO concentrations ranged from 481 mg/kg to 777 mg/kg. DRO concentrations ranged from 3,320 mg/kg to 19,500 mg/kg.

A site investigation must be performed in accordance with NR716, WAC to determine the lateral and vertical extent of the contamination in the area of the former piping. A Work Plan for completing the site investigation must be submitted to WDNR.

UNDERGROUND STORAGE TANK PIPING REPLACEMENT REPORT
WISCONSIN ELECTRIC PLEASANT PRAIRIE POWER PLANT
TRACTOR GARAGE REFUELING AREA
PLEASANT PRAIRIE, WISCONSIN

1.0 INTRODUCTION

Wisconsin Electric (WE) retained STS Consultants, Ltd. (STS) to perform a site assessment following the replacement of buried piping which connected two underground storage tanks (USTs) to two separate dispenser islands at WE's Pleasant Prairie Power Plant in Pleasant Prairie, Wisconsin. The piping and tanks are used for refueling front end loaders used at the facility. STS prepared this report to document the personnel and companies involved with the project, disposal of the piping, surplus product and sludge, geologic and hydrogeologic conditions, soil sample analytical results, and project conclusions.

2.0 PURPOSE AND SCOPE OF WORK

2.1 Purpose of Work

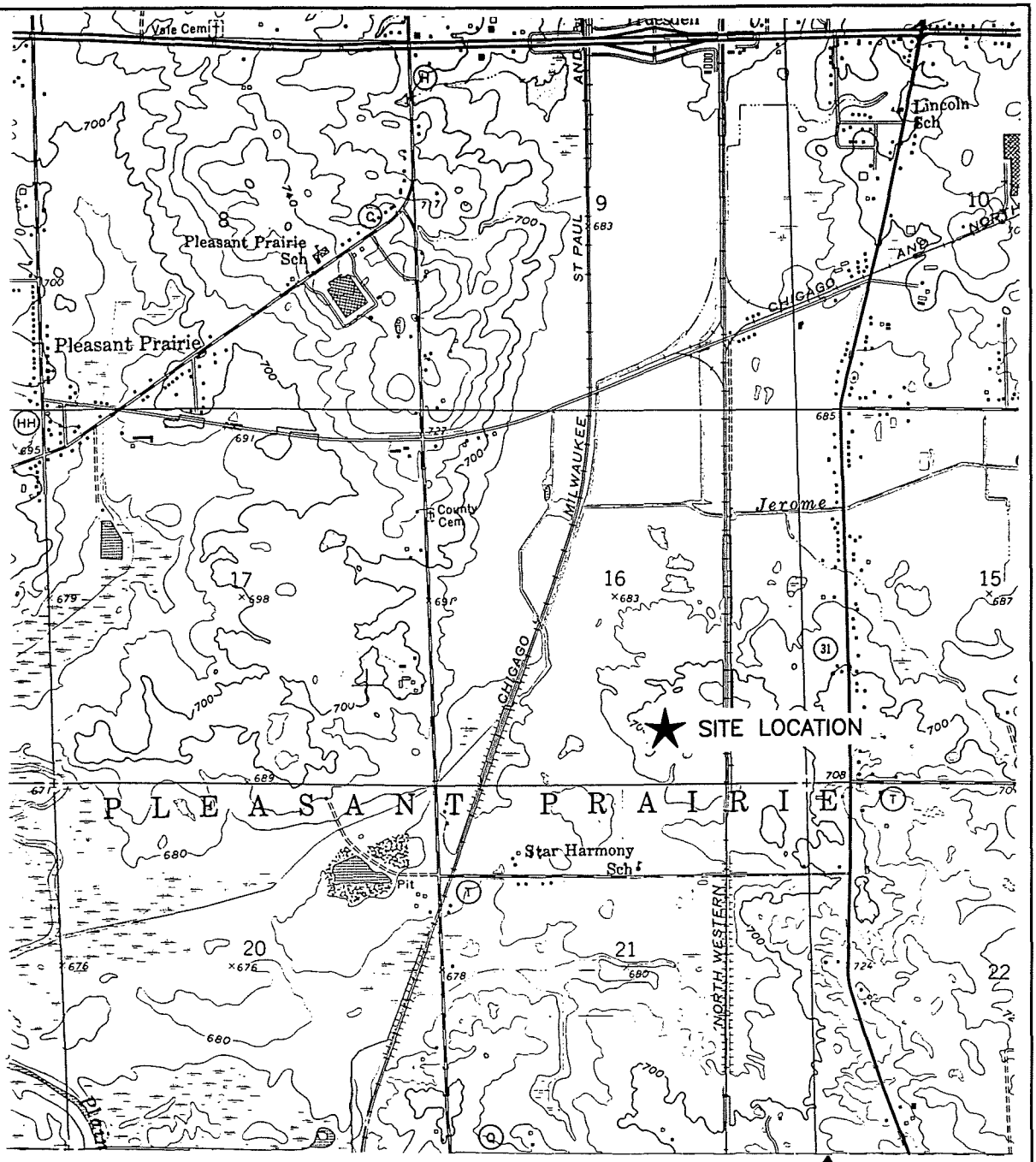
The purpose of the site assessment was to assess soil quality within the piping excavation to determine if diesel range organics (DRO), and in some cases, gasoline range organics (GRO) were released from the piping into the environment.

2.2 Project Team

The contractors and personnel involved with the project are listed in Appendix A.

3.0 SITE LOCATION AND BACKGROUND INFORMATION

The Pleasant Prairie Power Plant is located in a rural area of The Village of Pleasant Prairie. The site is located in the southwest 1/4 of the southeast 1/4 of Section 16, Township 1 North, Range 22 East, Kenosha County, Wisconsin (Figure 1). Specifically, the site is located at 8000 95th Street, Pleasant Prairie, Wisconsin.



SOURCE: USGS PLEASANT PRAIRIE, WISCONSIN QUADRANGLE - 1958, REVISED 1971

STS Consultants Ltd
Consulting Engineers

SITE LOCATION MAP
PLEASANT PRAIRIE POWER PLANT
8000 95TH STREET
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY: dlm	DATE: 12/12/98
CHECKED BY: kwy	DATE: 12/12/98
APPROVED BY: jmt	DATE: 12/12/98
FILE NO. 85863XAig1.doc	SCALE: 1" = 2,000'
STS PROJECT NO. **5-85863XA**	FIGURE NO. **1**

4.0 PIPING REPLACEMENT PROCEDURES

4.1 Surplus Product Management

Product in the piping runs was drained back into the respective USTs prior to piping replacement activities.

4.2 Piping Replacement

On December 1, 1998, the sections of steel piping were replaced with flexible piping. U.S. Petroleum Equipment and Environmental Services (U.S. Petroleum) personnel broke concrete in the area of the dispensers and excavated approximately three to five feet of soil to access the piping. Piping from the diesel UST extended approximately 6 feet north and connected to a dispenser island (see Figure 2B). Piping from the gasoline UST extended generally 10 feet west, 6 feet north and 5 feet east with associated pipe elbows to a dispenser island. The installation checklist for the new piping installation is included in Appendix B.

4.3 Sludge Management

No sludge was generated from the piping upgrade.

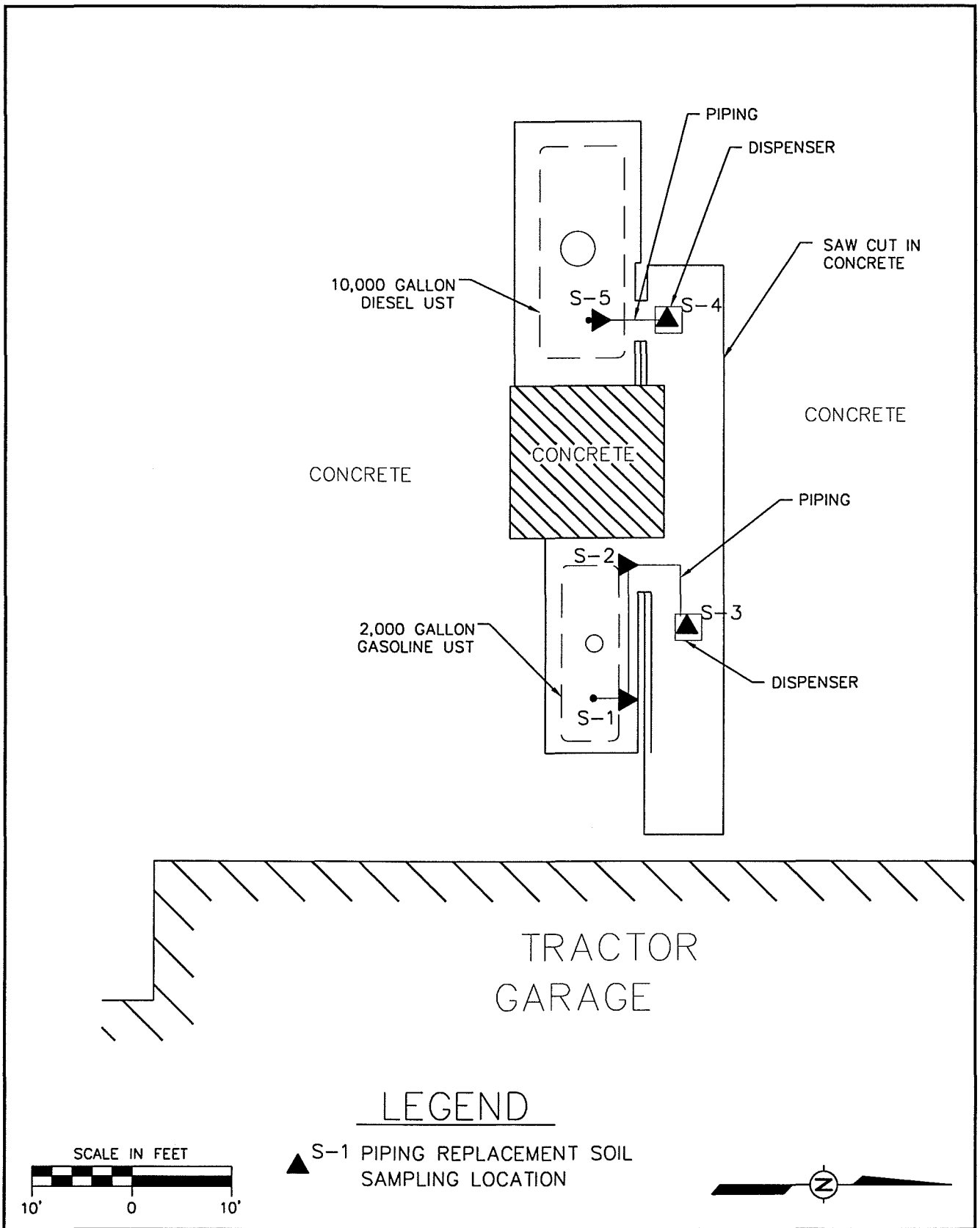
4.4 Piping Disposal

The piping was disposed of by U.S. Petroleum in an on-site recycling container and was rendered useless for all uses but scrap. Approximately 27 feet of piping was replaced.

5.0 FIELD OBSERVATIONS AND SOIL SAMPLING

5.1 Field Observations

During removal and upgrade activities obvious petroleum odors were noted in the soils from below both the diesel and gasoline piping systems. The piping was observed to be in fair condition with no obvious corrosion or perforations noted. Groundwater was not observed in the excavation during replacement activities. The checklist for piping replacement is included in Appendix B.



STS Consultants Ltd.
Consulting Engineers

SOIL SAMPLING LOCATIONS
TRACTOR GARAGE REFUELING AREA
WISCONSIN ELECTRIC
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

DRAWN BY	SNL	12/7/98
CHECKED BY	KWY	12/7/98
APPROVED BY	TWY	12/7/98
CADFILE G55863000	SCALE AS SHOWN	
STS PROJECT NO. 85863XA	FIGURE NO. #2B	

Although a release to the backfill was obvious based on petroleum odors noted in backfill soils, soil samples were collected at approximate locations that would be required if there was no obvious signs of contamination. This was done so that WE would have an idea of the magnitude of impacts and have some idea of lateral distribution of impacts. Soil samples from native soil were not accessible given that the piping was in close proximity to the tanks and the tank cavity backfill extended to at least three feet beneath the piping (the maximum depth of the hand auger used to collect the samples). Given this, soil samples were collected from tank/piping backfill material. Samples were collected from approximately three feet below the former piping elevation, 4.5 feet below ground surface, using a stainless steel hand auger.

A Photoionization Detector (PID) was used to screen the soil samples for the presence of volatile organic compounds by means of headspace analysis. The PID was equipped with a 10.6 eV lamp and was calibrated in the field. Prior to headspace analysis, each soil sample was allowed to equilibrate to approximately 70°F and vigorously agitated to break-up large clumps to facilitate vapor release. The PID readings are tabulated on Table 1.

6.0 SOIL SAMPLING LABORATORY RESULTS

The soil samples were transported with a chain-of-custody document to U.S. Filter Analytical laboratory for DRO, and in some cases, GRO analysis. The samples were analyzed using the Wisconsin Department of Natural Resources (WDNR) modified method specified in the *"Leaking Underground Storage Tank Analytical and Quality Assurance Guidance Document (PUBL-SW-13093)"*. The analytical results from the soil samples are listed in Table 1.

The backfill soil sample results were compared to the NR720, WAC generic residual contaminant level (RCL) Table 1 value of 100 milligrams per kilogram (mg/kg) for DRO and GRO. All of the backfill soil samples analyzed contained GRO and DRO concentrations above the generic RCL. GRO was detected in all samples tested for GRO with concentrations ranging from 481 mg/kg to 777 mg/kg. DRO was detected in all samples tested for DRO with concentrations ranging from 3,320 mg/kg to 19,500 mg/kg.

Based on the field observations and soil sample laboratory analysis, a release has occurred to the tank/piping backfill material. WE has reported the release to the WDNR. Copies of the laboratory reports are presented as Appendix C.

Table 1
Soil Sampling Results - Piping Replacements
Tractor Garage Refueling Area
Wisconsin Electric - Pleasant Prairie Power Plant
STS Project No. 85863XA

Sample No.	S-1	S-2	S-3	S-4	S-5
Sample Depth	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface
Soil Description	Crushed stone, some gravel	Crushed stone, some gravel	Crushed stone, some gravel	crushed stone Some Gravel	crushed stone Some Gravel
Odor?	Petroleum	Petroleum	Petroleum	Petroleum	Petroleum
PID Reading (IU)	620	160	260	160	250
DRO, mg/kg	**3,320 (D1, D2A)**	**3,910 (D1)**	**6,600 (D1)**	**12,100 (D1)**	**19,500 (D1)**
GRO, mg/kg	**777 (G2, G6)**	**481 (G3, G6)**	**777 (G3, G6)**	NA	NA

NOTES:

1. DRO - Diesel Range Organics (WI. Modified Method).
2. GRO - Gasoline Range Organics (WI. Modified Method).
3. mg/kg - milligrams per kilogram, or parts per million.
4. Sample depths shown in feet below ground surface.
5. Field PID (IU) - Photoionization Detector result. IU - Instrument Units, similar to ppm.
6. NR 720 RCL = Residual Contaminant Level = 1) the NR 720 Table 1 generic RCL = 100 for DRO
7. 101 = NR 720 RCL exceedance
8. Samples analyzed by U.S. Filter/Enviroscan laboratory in Rothschild, WI
9. See Figure 2 for sampling locations.
10. D1-The chromatogram is charateristic for a fuel oil/diesel. (i.e. # 1 or #2 diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
11. D2A-The chromatagram is characteristic for a light petroleum product. (I.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
12. G2- The chromatagram has characteristics of an aged gasoline sample.
13. G3 - The chromatogram is not distinct for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.
14. G6- The cromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
15. NA - Not analyzed

7.0 PROJECT SUMMARY

The following summary is based on the observations, activities, and findings of the piping replacement and closure assessment:

- A total of 27 feet of buried steel piping which connected two separate USTs to two separate dispensers was replaced with flexible piping at the tractor garage refueling area at WE's Pleasant Prairie Power Plant.
- Prior to replacement, surplus product was drained from the piping back to the UST.
- No sludge was generated from the piping replacement.
- Groundwater was not observed during the piping replacement activities.
- Physical evidence of a release, including odors, soil discoloration and elevated PID values, were noted in the tank/cavity backfill material.
- STS collected three soil samples for GRO testing and five samples for DRO from the tank/piping backfill to begin evaluating the magnitude and extent of the release.
- DRO was detected in all samples tested for DRO at concentrations ranging from 3,320 mg/kg to 19,500 mg/kg.
- GRO was detected in all samples tested for GRO at concentrations ranging from 481 mg/kg to 777 mg/kg.
- Based on field observations and laboratory testing results, a release has occurred to the tank/piping backfill material.
- WE reported the release to the WDNR.

8.0 RECOMMENDATIONS

A site investigation must be performed in accordance with NR716, WAC to determine the lateral and vertical extent of contamination in the area of the former piping. A Work Plan for completing the site investigation must be submitted to the WDNR.

A copy of this report must be submitted to:

Mr. Michael Farley
Wisconsin Department of Natural Resources
4041 North Richards Street, Box 12436
Milwaukee, Wisconsin 53212-0436

9.0 LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation.

Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by professional consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of the Property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside of our control.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analyses intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. STS has no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency(ies).

APPENDICES

Appendix A - Personnel/Contractor Identification and Certification
Appendix B - Piping Replacement Checklist and Installation Form
Appendix C - Laboratory Analytical Reports and Chain-of-Custody Form

APPENDIX A

Personnel/Contractor Identification and Certifications

Site Assessor -

Mr. David Markelz
STS Consultants Ltd.
11425 West Lake Park Drive
Milwaukee, WI 53224
(414) 359-3030
Certification No. 41465

Site Owner -

Wisconsin Electric
Contact: Ms. Liz Stueck-Mullane
333 West Everett Street
Milwaukee, WI 53202
(414) 221-2303

Tank Excavator, Remover and Cleaner -

Mr. Jeff Wildenburg
U.S. Petroleum Equipment and Env. Services
1425 Commerce Avenue, Unit C
Brookfield, Wisconsin 53045
Telephone: 414-786-8742
Remover Certification No. 42840

On-Site DILHR Representative -

Not applicable

Surplus Product -

Drained back into USTs

Sludge Disposal Facility -

Not applicable

Piping Disposal Facility -

Not applicable

Laboratory Services -

U.S. Filter Analytical Laboratory
Contact: Ms. Sharon Maltbey
301 West Military Road
Rothschild, Wisconsin 54474
Telephone: 800-338-7226
WDNR Certification #737053130

APPENDIX B

Piping Replacement Checklist and Installation Form

Complete one form for each site closure.

The information you provide may be used by other government agency programs [Privacy Law, s.15.04 (1)(m)].

CHECKLIST FOR TANK CLOSURE

CHECK ONE:
☒ UNDERGROUND
☐ ABOVEGROUND
FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX

RETURN COMPLETED CHECKLIST TO:
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7969
Madison, WI 53707

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: ☐ Tank System ☐ Tank Only ☒ Piping Only

1. Site Name	2. Owner Name
PLEASANT PRAIRIE POWER PLANT	WISCONSIN ELECTRIC POWER
Site Street Address (not P.O. Box)	Owner Street Address
8000 95TH ST.	333 W. EVERETT ST
☐ City ☒ Village ☐ Town of:	☒ City ☐ Village ☐ Town of: / State / Zip Code
PLEASANT PRAIRIE	MILWAUKEE / WI / 53201
State / Zip Code / County	County / Telephone No. (include area code)
WI / 53142 / KENOSHA	KENOSHA / (414) 947-5316

3. Closure Company Name (print)	Closure Company Street Address
U.S. PETROLEUM EQUIPMENT	1425 COMMERCE AVE UNIT C
Closure Company Telephone No. (include area code)	Closure Company City, State, Zip Code
(414) 786-8742	BROOKFIELD WI 53045
4. Name of Company Performing Closure Assessment	Assessment Company Street Address, City, State, Zip Code
STS Consultants	11425 W Lake Park Dr Milwaukee WI 53224
Telephone # (include area code) / Certified Assessor Name (print)	Assessor Signature / Assessor Certification No.
(414) 359-3030 / David Markelz	David Markelz / 41465

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1.	☐	☐	☐			☐Y ☐N
2.	☐	☐	☐			☐Y ☐N
3	☐	☐	☐			☐Y ☐N
4.	☐	☐	☐			☐Y ☐N
5.	☐	☐	☐			☐Y ☐N
6.	☐	☐	☐			☐Y ☐N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other:_____; 10-Premix; 11-Waste Oil; 13-Chemical (indicate the chemical name(s) or number(s) _____ _____ _____; 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. ..... ☒Y ☐N ☐NA
All local permits were obtained before beginning closure. ..... ☒Y ☐N ☐NA

Check applicable box at right in response to all statements in Sections B-E.	Remover Verified		Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE				
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	☐Y	☐N	☐	☒
1. Product Removed				
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	☐Y	☐N	☐	☒
b. All product removed to bottom of suction line, OR.....	☐Y	☐N	☐	☒
c. All product removed to within 1" of bottom.	☐Y	☐N	☐	☒
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	☐Y	☐N	☐	☒
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	☐Y	☐N	☐	☒
4. Dispensers/pumps left in place but locked and power disconnected.	☐Y	☐N	☐	☒
5. Vent lines left open.	☐Y	☐N	☐	☒
6. Inventory form filed indicating temporary closure.	☐Y	☐N	☐	☒
C. CLOSURE BY REMOVAL				
1. Product from piping drained into tank (or other container).	☒Y	☐N	☐	☐
2. Piping disconnected from tank and removed.	☒Y	☐N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y	☐N	☐	☒
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐Y	☐N	☐	☒
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed..	☐Y	☐N	☐	☒
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.				
6. Vent lines left connected until tanks purged.	☐Y	☐N	☐	☒
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y	☐N	☐	☒
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	☐Y	☐N	☐	☒
9. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement.	☐Y	☐N	☐	☒
10. Tank cleaned before being removed from site.....	☐Y	☐N	☐	☒

- CONTINUE ON NEXT PAGE -

CLOSURE BY REMOVAL (continued)

	Remover Verified		Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☐Y	☐N	☐	☒
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.				
12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐Y	☐N	☐	☒
13. **Inventory form ERS-7437 filed by owner with the Department of Commerce indicating closure by removal.**	☒Y	☐N	☐	☐
14. Site security is provided while the excavation is open.	☒Y	☐N	☐	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).	☐Y	☐N	☐	☒
2. Piping disconnected from tank and removed.	☐Y	☐N	☐	☒
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y	☐N	☐	☒
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐y	☐N	☐	☒
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. ..	☐Y	☐N	☐	☒
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT. ABOVE GRADE.				
6. Vent lines left connected until tanks purged.	☐Y	☐N	☐	☒
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y	☐N	☐	☒
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F.	☐Y	☐N	☐	☒
9. Tank properly cleaned to remove all sludge and residue.	☐Y	☐N	☐	☒
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐Y	☐N	☐	☒
11. Vent line disconnected or removed.	☐Y	☐N	☐	☒
12. Inventory form filed by owner with the Department of Commerce indicating closure in place.	☐Y	☐N	☐	☒

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒Y	☐N	☐	☐
2. Do points of obvious contamination exist?	☒Y	☐N	☐	☐
3. Are there strong odors in the soils?	☒Y	☐N	☐	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☒Y	☐N	☐	☐
5. Was a closure assessment omitted because of obvious contamination?	☒Y	☐N	☐	☐
6. Was the DNR notified of suspected or obvious contamination?	☐Y	☐N	☐	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☒Odor ☐Soil Staining ☐Free Product ☐Sheen on Groundwater ☒Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐Eductor Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐Dry Ice
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.

☐Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☐Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION

JEFF WILDENBERG		42840	12-3-98
Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed

I. INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
DID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed

TANK INVENTORY FORM ERS-7437 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

DEPT OF COMMERCE/BUREAU OF STORAGE TANK REGULATION

Reg Obj #: 300400158

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☐ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):
☒ In Use ☐ Newly Installed ☐ Abandoned with Product ☐ Abandoned without Product (empty)
☐ Closed - Tank Removed ☐ Closed - Filled with Inert Materials ☐ Temporary Out of Service - Provide Date: _____ ☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village ☐ Town of Pleasant Prairie

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
Pleasant Prairie Power Plant	8000 95th Street	( )
☐ City ☒ Village ☐ Town of: Pleasant Prairie	State WI / Zip Code 53142	County Kenosha
2. Tank Owner Name	Mailing Address	Telephone Number
Wisconsin Electric	333 W. Everett St	(414) 947-5316
☒ City ☐ Village ☐ Town of: Milwaukee	State WI / Zip Code 53201	County Milwaukee
3. Previous Name	Previous site address if different than #1	

B. Site ID #: 154767 | Facility ID #: 154767 | Customer ID #: 382951

C. 4. Tank Age (age or date installed): | 5. Tank Capacity (gallons):

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☒ Utility ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential
☐ Agricultural ☐ Backup or Emergency Generator ☐ Other (Specify:)

F. Tank Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☒ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (Date): ☐ Other (specify):

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A

Overfill Protection? ☒ Yes ☐ No
Spill Containment? ☒ Yes ☐ No
Tank Double Walled? ☐ Yes ☒ No

G. Primary Tank leak detection method:
☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less)
☒ Automatic tank gauging Gilbarco Emc
☒ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☐ Unknown

H. Piping Construction: #1 Vent
☐ Bare Steel ☒ Coated Steel ☐ Unknown
☐ Fiberglass ☒ Flexible ☐ N/A
☐ Other (specify) #2+3

Cathodic Protection
☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A

Pipe Double Walled? ☒ Yes ☒ No
APT FRP

Primary Piping System Type:
☒ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm or C. ☒ flow restrictor ☐ Unknown
☐ Suction piping with check valve at tank ☒ Suction piping with check valve at pump and inspectable * See below ☐ Not needed if waste oil

J. Piping Leak Detection Method: (used if pressurized or check valve at tank):
☐ SIR ☒ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required 2+3 ☐ Unknown

K. Vapor Recovery/Stage II CARB #: NA
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☒ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (Specify): _____ ☐ Empty ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

If chosen, this tank is NOT PECFA eligible.

Geo Latitude: | Geo Longitude:

M. If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):

Has a site assessment been completed (see reverse side for details)
☐ Yes ☐ No

Owner or Operator Name (please print):

Indicate whether:
☐ Owner or ☐ Operator

Owner or Operator Signature:

Date Signed

Note: Refer to comments on reverse side of form.

RS-7437 (R. 04/98)

* Existing PLD (2+3)

Reg Obj #: 300400159

UNDERGROUND FLAMMABLE/COMBUSTIBLE LIQUID STORAGE TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☐ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):
☐ In Use ☐ Newly Installed ☐ Abandoned with Product ☐ Abandoned without Product (empty)
☐ Closed - Tank Removed ☐ Closed - Filled with Inert Materials ☐ Temporary Out of Service - Provide Date: _____ ☐ Abandon with Water
☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located:
☐ City ☒ Village ☐ Town of Pleasant Prairie

A. IDENTIFICATION (Please Print)

1. Tank Site Name: Pleasant Prairie Power Plant
Site Address: 8000 95th Street
Site Telephone Number: ( )
☐ City ☒ Village ☐ Town of: Pleasant Prairie
State: WI Zip Code: 53142 County: Kenosha

2. Tank Owner Name: Wisconsin Electric
Mailing Address: 333 W. Everett St
Telephone Number: (414) 947-5316
☒ City ☐ Village ☐ Town of: Milwaukee
State: WI Zip Code: 53201 County: Milwaukee

3. Previous Name:
Previous site address if different than #1:

B. Site ID #: 154767 Facility ID #: 154767 Customer ID #: 382951

C. 4. Tank Age (age or date installed):
5. Tank Capacity (gallons):

D. LAND OWNER TYPE (check one)
☐ County ☐ Federal Leased ☐ Federal Owned ☐ Municipal ☐ Other Government
☐ Private ☐ State ☐ Tribal Nation

E. OCCUPANCY TYPE (check one)
☐ Gas/Retail Sales ☐ Bulk Storage ☒ Utility ☐ Mercantile/Commercial ☐ Industrial ☐ School ☐ Residential
☐ Agricultural ☐ Backup or Emergency Generator ☐ Other (Specify:)

F. Tank Construction:
☐ Bare Steel ☐ Coated Steel ☐ Unknown
☒ Fiberglass ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Lined (Date): ☐ Other (specify):

Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A

Overfill Protection? ☒ Yes ☐ No
Spill Containment? ☒ Yes ☐ No
Tank Double Walled? ☐ Yes ☒ No

G. Primary Tank leak detection method:
☐ Inventory control and tightness testing
☐ Manual tank gauging (only for tanks of 1,000 gallons or less)
☒ Automatic tank gauging Gilbarco EMC
☐ Interstitial monitoring
☐ Statistical Inventory Reconciliation (SIR)
☐ Groundwater monitoring
☐ Vapor monitoring
☐ Unknown

H. Piping Construction:
☐ Bare Steel ☒ Coated Steel ☐ Unknown
☐ Fiberglass ☒ Flexible ☐ N/A
☐ Other (specify)
#1 Vent
#2+3

Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A

Pipe Double Walled? ☒ Yes ☒ No
APT FRP

I. Primary Piping System Type:
☒ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm or C. ☒ flow restrictor ☐ Unknown
☐ Suction piping with check valve at tank ☒ Suction piping with check valve at pump and inspectable * See below ☐ Not needed if waste oil

J. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☒ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☐ Not required 2+3 ☐ Unknown

K. Vapor Recovery/Stage II CARB #: _____ NA
☐ Fiberglass ☐ Other (specify): ☐ Flexible ☐ Operational - Provide Date (mo/day/yr):

L. TANK CONTENTS (Current, or previous product if tank now empty)
☒ Diesel ☐ Leaded ☐ Unleaded ☐ Fuel Oil ☐ Gasohol
☐ Other (Specify): _____ ☐ Empty ☐ Sand/Gravel/Slurry* ☐ Unknown* ☐ Premix
☐ Waste/Used Motor Oil ☐ Chemical _____ ☐ Kerosene ☐ Aviation ☐ Hazardous Waste*
(Indicate chemical name and number)

* If chosen, this tank is NOT PECFA eligible.

Geo Latitude: Geo Longitude:

M. If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr):

Has a site assessment been completed (see reverse side for details)
☐ Yes ☐ No

Owner or Operator Name (please print):
Indicate whether: ☐ Owner or ☐ Operator

Owner or Operator Signature:
Date Signed

Note: Refer to comments on reverse side of form.

SBRS-7437 (R. 04/98)

* Existing PLD (2+3)

U 22585

CHECKLIST FOR UNDERGROUND TANK INSTALLATION

Reg Obj #: For Office Use Only
300400 1160

Complete one form for each tank and related piping.

The information you provide may be used for secondary purposes [Privacy Law, s.15.04(1)(m)].

Return Completed Checklist To:
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P. O. Box 7837
Madison, WI 53707-7837

This checklist covers installation of: ☐ Tank; ☐ Piping; ☐ Vapor Recovery; ☐ Spill Containment; ☐ Overfill Protection; ☐ Leak Detection; ☐ Corrosion Protection; ☐ Automated Fueling (key-card-code); ☐ Lining

A. IDENTIFICATION: (Please Print)

1. Installation Name	2. Owner Name
Pleasant Prairie Power Plant	Wisconsin Electric Power
Installation Street Address (not P.O. Box)	Owner Street Address
8000 95th Street	333 W. Everett St
☐ City ☒ Village ☐ Town of: Pleasant Prairie	☒ City ☐ Village ☐ Town of: Milwaukee; State WI; Zip Code 53201
State WI; Zip Code 53158 53144; County Kenosha	County Milwaukee; Telephone No. (include area code) (414) 947-5316
3. Installation Company Name (print) U.S. Petroleum Equip	Installation Company Street Address 1425 Commerce Ave, Unit C; State WI; Zip Code 53045
Company Telephone No. (include area code) (414) 786-8742	Certified Installer Name; Installer Certification No.

	Installer Verified	Inspector Verified	NA
B. PLAN APPROVAL			
1. Plans have been submitted and approved.	☒	☒	☐
2. State plan number/LPO plan number is: 183895			
3. Tank Capacity: 10000 gals gallons. Tank contents, if known: Diesel			
C. TANK CONSTRUCTION			
1. Tank is new and carries UL or other national testing label.	☒	☒	☐
2. Tank is used, but has been recertified to meet the EPA new tank standard.	☐	☐	☒
3. Tank is corrosion protected (☐ cathodically protected steel, ☒ fiberglass or ☐ composite tank) and matches the equipment listed in the plan review.	☐	☐	☐
4. Test stations have been installed for monitoring cathodic protection on the tank.	☐	☐	☒
5. Gasoline and other Class I flammable tank vents discharge at least 12 feet above ground level, discharge only upward, and do not terminate under eaves or near a building opening.	☐	☐	☒
6. Fuel oil, diesel or other Class II or III A liquid storage tank vents are at least 4 feet above ground level.	☒	☒	☐
7. Overfill protection device is installed and matches plan submittal.	☒	☒	☐
8. Spill containment device installed.	☒	☒	☐
D. TANK HANDLING AND TESTING			
1. Tank was lifted using lifting lugs, no chains or slings were placed around the tank shell.	☐	☐	☒
2. Tank coating was inspected and any damage to the coating repaired.	☐	☐	☒
3. Preinstallation test of single wall tank conducted by pressurizing tank with 3-5 psi air pressure, soaping all surfaces, seams, and fittings and inspecting for bubbles.	☐	☐	☒
or			
Preinstallation test of double-walled tank: pressurize inner tank to a maximum of 5 psi, seal inner tank and disconnect external air supply, monitor for one hour. After one hour, pressurize the interstitial space with a maximum 5 psi air from the inner tank and use a second gauge for monitoring the pressure. Soap all surfaces, seams and fittings and inspect for bubbles.	☐	☐	☒
4. Tank tested after backfilling through precision test, approved tank gauge or interstitial monitor.	☐	☐	☒
5. Tank gauge or interstitial monitor verified as operative.	☐	☐	☒
E. TANK SITE AND BACKFILL			
1. Tank located a minimum of 3 feet from property lines and 1 foot from buildings.	☒	☒	☐
2. Tank is spaced a minimum of 2 feet from any other tank.	☒	☒	☐
3. Backfill for steel or fiberglass clad steel tank is clean, washed, well granulated sand, crushed rock, or pea gravel no larger than 3/4 inch.	☒	☒	☐
4. Backfill for fiberglass tank is pea gravel naturally round with minimum diameter of 1/8 inch and maximum size of 3/4 inch or crushed rock or gravel between 1/8 and 1/2 inch in size.	☒	☒	☐
5. Minimum of 1 foot of backfill extended beyond perimeter of tank.	☒	☒	☐
6. Minimum of 1 foot of compacted backfill in bottom of excavation. (If hold down pads are used, bedding may be reduced to 6 inches.)	☒	☒	☐
7. Bottom hold down pads used.	☐	☐	☒
a. Fiberglass tank with 1 foot of compacted backfill over top of pad.	☒	☒	☐
b. Steel tank with 6 inches of compacted backfill over top of pad.	☒	☒	☐
8. Backfill material placed over tank to a depth of at least 1 foot.	☒	☒	☐

- CONTINUE ON NEXT PAGE -

E. TANK SITE AND BACKFILL (continued)

	Installer Verified	Inspector Verified	NA
9. Backfill compaction is adequate to securely and evenly support the tank and prevent movement/settlement.	☒	☒	☐
10. Excavation is in a bog, swampy area or landfill and a filter fabric was used to prevent the migration of the backfill material.	☐	☐	☒
11. Tank in area of vehicle traffic, 3 feet of earth cover or 18 inches of earth plus 6 inches of reinforced concrete or 8 inches of asphalt.	☒	☒	☐
12. Tank in area not subject to traffic, a minimum of 2 feet of earth or 1 foot of earth plus 4 inches of reinforced concrete or 6 inches of asphalt.	☒	☒	☐

F. TANK ANCHORAGE

1. Installation is in an area of high water table or subject to flooding and tank is anchored.	☐	☐	☒
a. Anchor straps for fiberglass tank were nonmetallic and were placed according to manufacturer's specifications.	☐	☐	☒
b. Anchor straps for steel tank were either nonmetallic or electrically isolated from the tank structure. (All metal fittings are protected from corrosion.)	☐	☐	☒
c. Mid anchoring with non conductive material between tank and concrete.	☐	☐	☒

G. PIPING (Indicate whether piping is ☐Fiberglass; ☐Steel; or ☒Flexible; then check one of the types below before proceeding to answer 1-15).

☐ Pipe installation is vapor recovery pipe only.

☒ Pressurized piping with ☐ auto shutoff, ☐ alarm or ☒ flow restrictor.

☐ Suction piping with check valve at tank. ☐ Suction piping with check valve at pump and inspectable.

1. Piping is sloped back to tank (1/8 inch per foot).	☒	☒	☐
2. Piping is evenly and adequately supported by at least 6 inches of backfill bedding.	☒	☒	☐
3. Piping trench provides at least 18 inches of compacted backfill and paving on top of piping.	☒	☒	☐
4. Pipes are separated by at least twice the pipe diameter.	☒	☒	☐
5. Pipes are separated from the trench excavation sidewalls by at least 6 inches.	☒	☒	☐
6. Piping inspected for damage to pipe or coating.	☒	☒	☐
7. Metal piping is at least schedule 40 black steel or galvanized pipe, and is wrapped or coated.	☐	☐	☒
8. Fittings and couplings are extra-heavy malleable iron screw-type, Schedule 40 or better.	☒	☒	☐
9. Piping was isolated from the tank and dispenser and tested at 150% of operating pressure of the system (but not less that 50 psi) for 1 hour prior to and after backfilling.	☒	☒	☐
10. Secondary containment piping was tested for tightness before it was covered, enclosed or placed in use. For rigid secondary piping test at 10 psi	☒	☒	☐
For flexible secondary piping, test at manufacturers' recommendation: 50 psi.	☒	☒	☐
11. After backfilling, piping was isolated from the tank and dispenser and precision tested at 110% of operating pressure but not less than 50 psi for 1 hour.	☒	☒	☐
12. Piping was isolated from the tank and dispenser and tested through another approved means prior to and after backfilling. Indicate method(s) prior _____	☐	☐	☒
after _____	☐	☐	☒
13. Metal piping protected from corrosion by ☐ cathodic protection or ☐ operational impressed current	☐	☐	☒
14. Test stations have been installed for monitoring cathodic protection on piping.	☐	☐	☒
15. Flexible connectors are used at the top of tank, between tank and vent pipe, below the dispenser and also where less than 4 feet of run exists between changes in direction with fiberglass piping.	☒	☒	☐
16. Dispensers, pumps, check valves, etc., not cathodically protected are electrically isolated from metallic piping.	☒	☒	☐

H. PRIMARY LEAK DETECTION (Check which applies under both TANK and PIPING)

1. Tank

☐ Tightness testing and inventory control ☒ Automatic tank gauging ☐ Vapor monitoring ☐ Groundwater monitoring
☐ Interstitial monitoring ☐ Manual tank gauging (only for tanks of 1,000 gallons or less)

2. Piping (pressurized or suction with check valve at tank) Pipe installation is: ☐ single wall, ☒ double walled.

☐ Tightness testing ☒ Automatic line leak detectors ☐ Vapor monitoring
☐ Groundwater monitoring ☐ Interstitial monitoring

I. INSPECTOR INFORMATION

Inspection Dates: 10-3-98 11-16-98

Inspector Signature: [signature] Inspector #: 500 Local Operator #: 500

Date Signed: 11-16-98 Fire department providing coverage: Pleasant Prairie FDID #: 30042

J. INSTALLER CERTIFICATION

I certify that the tank and related piping was installed according to the manufacturers' instructions and comply with one of the following standards: ☐ API 1615, ☒ PEI RP100 or ☐ ANSI B31.4.

Installer Signature: [signature] Date Signed: 11/16/98

TANK INVENTORY FORM ERS-7437 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH INSTALLATION CHECKLIST.

U 23481

CHECKLIST FOR UNDERGROUND TANK INSTALLATION

Reg Obj #: For Office Use Only
300400158

Complete one form for each tank and related piping.

The information you provide may be used for secondary purposes [Privacy Law, s.15.04(1)(m)].

Return Completed Checklist To:
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P. O. Box 7837
Madison, WI 53707-7837

This checklist covers installation of: ☐ Tank; ☒ Piping; ☐ Vapor Recovery; ☒ Spill Containment; ☒ Overfill Protection; ☐ Leak Detection; ☐ Corrosion Protection; ☐ Automated Fueling (key-card-code); ☐ Lining

A. IDENTIFICATION: (Please Print)

1. Installation Name: Pleasant Prairie Power Plant	2. Owner Name: Wisconsin Electric Power Plant
Installation Street Address (not P.O. Box): 8000 95th St	Owner Street Address: 333 W. Everett St
☐ City ☒ Village ☐ Town of: Pleasant Prairie	☒ City ☐ Village ☐ Town of: Milwaukee; State: WI; Zip Code: 53201
State: WI; Zip Code: 53142; County: Kenosha	County: Milwaukee; Telephone No. (include area code): (414) 947-5316
3. Installation Company Name (print): U.S. Petroleum Equip	Installation Company Street Address: 1425 Commerce Ave, C; State: WI; Zip Code: 53045
Company Telephone No. (include area code): (414) 786 8742	Certified Installer Name: JEFF WILDENBERG; Installer Certification No.: 42840

	Installer Verified	Inspector Verified	NA
B. PLAN APPROVAL			
1. Plans have been submitted and approved.	☒	☐	☐
2. State plan number/LPO plan number is: 183895			
3. Tank Capacity: 1,000 gallons. Tank contents, if known: UNLEADED			
C. TANK CONSTRUCTION			
1. Tank is new and carries UL or other national testing label.	☐	☐	☒
2. Tank is used, but has been recertified to meet the EPA new tank standard.	☐	☐	☒
3. Tank is corrosion protected (☐ cathodically protected steel, ☒ fiberglass or ☐ composite tank) and matches the equipment listed in the plan review.	☐	☐	☒
4. Test stations have been installed for monitoring cathodic protection on the tank.	☐	☐	☒
5. Gasoline and other Class I flammable tank vents discharge at least 12 feet above ground level, discharge only upward, and do not terminate under eaves or near a building opening.	☒	☐	☐
6. Fuel oil, diesel or other Class II or III A liquid storage tank vents are at least 4 feet above ground level.	☐	☐	☒
7. Overfill protection device is installed and matches plan submittal.	☒	☐	☐
8. Spill containment device installed.	☒	☐	☐
D. TANK HANDLING AND TESTING			
1. Tank was lifted using lifting lugs, no chains or slings were placed around the tank shell.	☐	☐	☒
2. Tank coating was inspected and any damage to the coating repaired.	☐	☐	☒
3. Preinstallation test of single wall tank conducted by pressurizing tank with 3-5 psi air pressure, soaping all surfaces, seams, and fittings and inspecting for bubbles.	☐	☐	☒
or			
Preinstallation test of double-walled tank: pressurize inner tank to a maximum of 5 psi, seal inner tank and disconnect external air supply, monitor for one hour. After one hour, pressurize the interstitial space with a maximum 5 psi air from the inner tank and use a second gauge for monitoring the pressure. Soap all surfaces, seams and fittings and inspect for bubbles.	☐	☐	☒
4. Tank tested after backfilling through precision test, approved tank gauge or interstitial monitor.	☐	☐	☒
5. Tank gauge or interstitial monitor verified as operative.	☐	☐	☒
E. TANK SITE AND BACKFILL			
1. Tank located a minimum of 3 feet from property lines and 1 foot from buildings.	☐	☐	☒
2. Tank is spaced a minimum of 2 feet from any other tank.	☐	☐	☒
3. Backfill for steel or fiberglass clad steel tank is clean, washed, well granulated sand, crushed rock, or pea gravel no larger than 3/4 inch.	☐	☐	☒
4. Backfill for fiberglass tank is pea gravel naturally round with minimum diameter of 1/8 inch and maximum size of 3/4 inch or crushed rock or gravel between 1/8 and 1/2 inch in size.	☐	☐	☒
5. Minimum of 1 foot of backfill extended beyond perimeter of tank.	☐	☐	☒
6. Minimum of 1 foot of compacted backfill in bottom of excavation. (If hold down pads are used, bedding may be reduced to 6 inches.)	☐	☐	☒
7. Bottom hold down pads used.	☐	☐	☒
a. Fiberglass tank with 1 foot of compacted backfill over top of pad.	☐	☐	☒
b. Steel tank with 6 inches of compacted backfill over top of pad.	☐	☐	☒
8. Backfill material placed over tank to a depth of at least 1 foot.	☐	☐	☒

- CONTINUE ON NEXT PAGE -

E. TANK SITE AND BACKFILL (continued)

	Installer Verified	Inspector Verified	NA
9. Backfill compaction is adequate to securely and evenly support the tank and prevent movement/settlement.	☐	☐	☒
10. Excavation is in a bog, swampy area or landfill and a filter fabric was used to prevent the migration of the backfill material.	☐	☐	☒
11. Tank in area of vehicle traffic, 3 feet of earth cover or 18 inches of earth plus 6 inches of reinforced concrete or 8 inches of asphalt.	☐	☐	☒
12. Tank in area not subject to traffic, a minimum of 2 feet of earth or 1 foot of earth plus 4 inches of reinforced concrete or 6 inches of asphalt.	☐	☐	☒

F. TANK ANCHORAGE

1. Installation is in an area of high water table or subject to flooding and tank is anchored.	☐	☐	☒
a. Anchor straps for fiberglass tank were nonmetallic and were placed according to manufacturer's specifications.	☐	☐	☒
b. Anchor straps for steel tank were either nonmetallic or electrically isolated from the tank structure. (All metal fittings are protected from corrosion.)	☐	☐	☒
c. Mid anchoring with non conductive material between tank and concrete.	☐	☐	☒

G. PIPING (Indicate whether piping is ☒Fiberglass; ☐Steel; or ☐Flexible; then check one of the types below before proceeding to answer 1-15).

☐ **Pipe installation is vapor recovery pipe only.**
☐ Pressurized piping with ☐ auto shutoff, ☐alarm or ☐flow restrictor.
☐ Suction piping with check valve at tank. ☒ Suction piping with check valve at pump and inspectable.

1. Piping is sloped back to tank (1/8 inch per foot).	☒	☐	☐
2. Piping is evenly and adequately supported by at least 6 inches of backfill bedding.	☒	☐	☐
3. Piping trench provides at least 18 inches of compacted backfill and paving on top of piping.	☒	☐	☐
4. Pipes are separated by at least twice the pipe diameter.	☐	☐	☒
5. Pipes are separated from the trench excavation sidewalls by at least 6 inches.	☒	☐	☐
6. Piping inspected for damage to pipe or coating.	☒	☐	☐
7. Metal piping is at least schedule 40 black steel or galvanized pipe, and is wrapped or coated.	☒	☐	☐
8. Fittings and couplings are extra-heavy malleable iron screw-type, Schedule 40 or better.	☒	☐	☐
9. Piping was isolated from the tank and dispenser and tested at 150% of operating pressure of the system (but not less that 50 psi) for 1 hour prior to and after backfilling.	☒	☐	☐
10. Secondary containment piping was tested for tightness before it was covered, enclosed or placed in use. For rigid secondary piping test at 10 psi	☐	☐	☒
For flexible secondary piping, test at manufacturers' recommendation: _____ psi.	☐	☐	☒
11. After backfilling, piping was isolated from the tank and dispenser and precision tested at 110% of operating pressure but not less than 50 psi for 1 hour.	☒	☐	☐
12. Piping was isolated from the tank and dispenser and tested through another approved means prior to and after backfilling. Indicate method(s) prior _____	☐	☐	☒
after _____	☐	☐	☒
13. Metal piping protected from corrosion by ☐ cathodic protection or ☐ operational impressed current	☐	☐	☒
14. Test stations have been installed for monitoring cathodic protection on piping.	☐	☐	☒
15. Flexible connectors are used at the top of tank, between tank and vent pipe, below the dispenser and also where less than 4 feet of run exists between changes in direction with fiberglass piping.	☒	☐	☐
16. Dispensers, pumps, check valves, etc., not cathodically protected are electrically isolated from metallic piping.	☐	☐	☒

H. PRIMARY LEAK DETECTION (Check which applies under both TANK and PIPING)

1. Tank
☐ Tightness testing and inventory control ☒ Automatic tank gauging ☐ Vapor monitoring ☐ Groundwater monitoring
☐ Interstitial monitoring ☐ Manual tank gauging (only for tanks of 1,000 gallons or less)

2. Piping (pressurized or suction with check valve at tank) Pipe installation is: ☒ single wall, ☐ double walled.
☒ Tightness testing ☐ Automatic line leak detectors ☐ Vapor monitoring
☐ Groundwater monitoring ☐ Interstitial monitoring

I. INSPECTOR INFORMATION

Inspection Dates: _____

Inspector Signature: _____ Inspector #: _____ Local Operator #: _____

Date Signed: _____ Fire department providing coverage: _____ FDID #: _____

J. INSTALLER CERTIFICATION

I certify that the tank and related piping was installed according to the manufacturers' instructions and comply with one of the following standards: ☐ API 1615, ☒ PEI RP100 or ☐ ANSI B31.4.

Installer Signature: Jeff Wilderman Date Signed: 12-3-98

TANK INVENTORY FORM FR8-7437 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH INSTALLATION CHECKLIST.

BUREAU OF STORAGE TANK REGULATION

APPENDIX C

Laboratory Analytical Reports and Chain-of-Custody Form

USFilter

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 715-359-7226
FACSIMILE 715-355-3221

December 16, 1998

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

P4

Tractor Garage

Attn: Ken Yass

Re: 85863XA

Please find enclosed the analytical results for the samples received December 3, 1998.

The chain of custody document is enclosed.

If you have any questions about the results, please call. Thank you for using US Filter/Enviroscan for your analytical needs.

Sincerely,

US Filter/Enviroscan

Dominic J. Bush
Senior Analytical Chemist

USFilter

UNITED STATES FILTER CORPORATION

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

CUST NUMBER: 85863XA
SAMPLED BY: Client
DATE REC'D: 12/03/98
REPORT DATE: 12/16/98
PREPARED BY: DJB
REVIEWED BY: AM

Attn: Ken Yass

	Units	Reporting Limit	S-1 12/01/98	Qualifiers	Date Analyzed	By
MOSA21-2						
Total Solids	%	-	91.5		12/10/98	LMW
WI DNR						
Soil Diesel Range Organics	mg/kg	550.	3,320.	D2A D1	12/09/98	DJB
Soil Org Ext - DRO		-	COMP		12/07/98	CKV
Soil Gasoline Range Organic	mg/kg	55.	777.	G2 G6	12/11/98	LMP
Analytical No.:			57174			

	Units	Reporting Limit	S-2 12/01/98	Qualifiers	Date Analyzed	By
MOSA21-2						
Total Solids	%	-	93.4		12/10/98	LMW
WI DNR						
Soil Diesel Range Organics	mg/kg	550.	3,910.	D1	12/09/98	DJB
Soil Org Ext - DRO		-	COMP		12/07/98	CKV
Soil Gasoline Range Organic	mg/kg	55.	481.	G3 G6	12/14/98	LMP
Analytical No.:			57175			

	Units	Reporting Limit	S-3 12/01/98	Qualifiers	Date Analyzed	By
MOSA21-2						
Total Solids	%	-	92.1		12/10/98	LMW
WI DNR						
Soil Diesel Range Organics	mg/kg	1,000.	6,600.	D1	12/09/98	DJB
Soil Org Ext - DRO		-	COMP		12/07/98	CKV
Soil Gasoline Range Organic	mg/kg	30.	777.	G3 G6	12/12/98	LMP
Analytical No.:			57176			

	Units	Reporting Limit	S-4 12/01/98	Qualifiers	Date Analyzed	By
MOSA21-2						
Total Solids	%	-	93.7		12/10/98	LMW
WI DNR						
Soil Diesel Range Organics	mg/kg	1,500.	12,100.	D1	12/09/98	DJB
Soil Org Ext - DRO		-	COMP		12/07/98	CKV
Analytical No.:			57177			

Results calculated on a dry weight basis.

USFilter

UNITED STATES FILTER CORPORATION

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

CUST NUMBER: 85863XA
SAMPLED BY: Client
DATE REC'D: 12/03/98
REPORT DATE: 12/16/98
PREPARED BY: DJB
REVIEWED BY:

Attn: Ken Yass

	Units	Reporting Limit	S-5 12/01/98	Qualifiers	Date Analyzed	By
MOSA21-2						
Total Solids	%	-	89.6		12/10/98	LMW
WI DNR						
Soil Diesel Range Organics	mg/kg	4,000.	19,500.	D1	12/09/98	DJB
Soil Org Ext - DRO		-	COMP		12/07/98	CKV
Analytical No.:			57178			

Results calculated on a dry weight basis.

USFilter

UNITED STATES FILTER CORPORATION

STS Consultants Ltd.
11425 W. Lake Park Dr.
Milwaukee, WI 53224

CUST NUMBER: 85863XA
SAMPLED BY: Client
DATE REC'D: 12/03/98
REPORT DATE: 12/16/98
PREPARED BY: DJB
REVIEWED BY: HW

Attn: Ken Yass

Qualifier Descriptions

D2A	The chromatogram is characteristic for a light petroleum product. (i.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
D1	The chromatogram is characteristic for a fuel oil/ diesel. (i.e. #1 or #2 Diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
G2	The chromatogram has characteristics of an aged gasoline sample.
G6	The chromatogram contains a significant number of peaks and a raised baseline outside the GRO window.
G3	The chromatogram in not characteristic for either gas or aged gas. It has a reportable concentration of peaks/area within the GRO window.

CHAIN OF CUSTODY RECORD

№ 24992

Contact Person Ken Yass
Phone No. (414) 359-3030 Office Milwaukee
Project No. 85863xA PO No.
Project Name Pleasant Prairie Power plant

Special Handling Request
- ☐ Rush
- ☐ Verbal
- ☐ Other

RECORD NUMBER 1 THROUGH
Laboratory U.S. Filter
Contact Person
Phone No.
Results Due STD

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Special Cond.	Analysis Request (soilgro soildro)	Comments on Sample (Include Major Contaminants)
S [illegible]-1	12/1	13:15			3	Soil	X	X					GRO, DRO	21057174
S [illegible]-2		13:20			3	Soil	X	X					GRO DRO	21057175
S [illegible]-3		13:22			3	Soil	X	X					GRO DRO	21057176
S [illegible]-4		13:35			2	Soil		X					DRO	21057177
S-[illegible]5	↓	13:40			2	Soil		X					DRO	21057178

Collected by: David Markelz	Date 12/1/98	Time pm	Delivery by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: Lori Sutz	Date 12-3-98	Time 8:45	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt? ☒ Yes ☐ No ☐ N/A Received on Ice

Final Disposition:

Comments (Weather Conditions, Precautions, Hazards):
Samples on ice

STSm.1
6062
210753
12-17

Distribution: Original and Green - Laboratory Yellow - As needed Pink - Transporter Goldenrod - STS Project File
Instructions to Laboratory: Forward completed original to STS with analytical results. Retain green copy.

9/94cp10k

STS Consultants Ltd.
Consulting Engineers

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TDD 414-263-8713

January 15, 1999

BRRTS#: 03-30-210485
Facility ID#: 230006260
BRR/LUST

LIZ STUECK-MULLANE
WI ELECTRIC POWER CO
333 W EVERETT ST
MILWAUKEE WI 53203

SUBJECT: Reported Contamination at Pleasant Prairie Power Plant, 8000 95th St., Kenosha

Dear Ms. Stueck-Mullane:

On 12-29-98 you informed the Department that leaded gasoline and diesel fuel which leaked from underground storage systems caused soil contamination at the subject location.

Based on the information submitted to the Wisconsin Department of Natural Resources (WDNR), we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law. Utilizing information submitted to the Department, this case has been assigned an unknown ranking due to the lack of information concerning soil and groundwater contamination.

WDNR Southeast Region Prioritization and Scoring Policy

Due to the WDNR workload, it is necessary to rank all contamination cases for review priority. Lower priority cases do not have assigned project managers, however, responsible parties are required to proceed with investigation and clean-up efforts. Until a priority has been assigned to this site, you should proceed with the required response work, submitting all plans and reports, along with status reports, to this office. The WDNR will notify you if your site will receive active oversight.

Your responsibilities include investigating the extent of the contamination and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Department of Natural Resources.

Legal Responsibilities:
Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

* RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:
The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. By 3-1-99, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.

2. By 4-12-99, your consultant must submit a workplan and schedule for the investigation. The consultant must follow the DNR administrative codes and technical guidance documents. Please include with your workplan a copy of any previous information that has been completed (such as an underground tank removal report or a preliminary excavation report).

3. Please inform DNR of what is being done at your site. Submittal requirement timelines depend on the contaminants at the site. As described in s. NR 700.11, if the site meets criteria for a "simple site", progress reports must be submitted semi-annually, beginning 6 months from the initial notification date. If the site meets criteria for a "complex site", the site investigation report and a draft remedial options report must be submitted to DNR within 30 days of completion of both reports. Your consultant must clearly document the extent and degree of soil and groundwater contamination and submit a proposal for cleaning it up.

4. For complex sites, per s. NR 724.13(3), you or your consultant must provide a brief report at least every 90 days, starting after the remediation system begins operation. The reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, should conditions at your site warrant, we may require more frequent contacts with the Department.

Due to the number of contaminated sites and our staffing levels in DNR's Southeast Region, we will be unable to provide workplan approvals for investigations or remedial actions. To maintain your compliance with the spills law and chs. NR 700 through NR 728, do not delay the investigation and cleanup of your site by waiting for DNR response. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements.

Your correspondence and reports regarding this site should be sent to:

Michael Farley, BRR Program Assistant
Wisconsin Department of Natural Resources
Box 12436
Milwaukee WI 53212

Unless otherwise requested, please send only one copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers shown at the top of this letter.

Information for Site Owners:
Enclosed is a list of environmental consultants and some tips on selecting one. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 292, Stats., please call 1-800-367-6076 in DNR's Madison office for more information. The liability exemption under s. 292 Stats., is available to persons who meet the definition of "purchaser" in s. 292 and receive DNR approval for the response actions taken at the property undergoing cleanup. DNR will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation.

Financial Information:
Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Commerce (Commerce). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Michael G. Farley
Program Assistant
414-263-8680

Department of Natural Resources

Type of Case: LUST ✓ ERP__

BRRTS CASE TRACKING FORM

SER Form #1 May 20, 1998

ACTIVITY NO.: 03-30-210485 **FID NO.:** 230006260

County:
Site Name: Pleasant Prairie Power Plant
Address:

Municipality:
Legal Desc.: ____ 1/4 ____ 1/4 Sec____ Tn____ Rng____E
Lat.: _____ Long.:_____

Initial Contact Date: 12/29/98
Send RP Letter ? Y ✓ N__ Date Mailed: 1/15/99
Closure Date: ___/___/___

Person/Firm Reporting:

Phone: ( )

PRIORITY:
- ___ High
- ___ Medium
- ___ Low
- ✓ Unknown

IS THIS LUST CASE FEDERALLY FUNDED? Y ✓ N__

FUNDING SOURCE:
- ___ RP
- ___ LTF
- ___ EF
- ___ SF
- ___ None
- ___ Other (describe below)

___ EPA Emergency Response

ENFORCEMENT AUTHORITY:
- ___ Spill Law s. 292.11 Wis. Stats.
- ___ Envir. Repair Law s. 292.31 Wis. Stats.
- ___ Solid Waste NR 500
- ___ CERCLA
- ___ Aband. Container s. 292.41 Wis. Stats.
- ___ Other:
- ___ Wastewater (lagoons)
- ___ Haz Waste NR600

PROGRAMS INVOLVED: (L = Lead, S = Support)
- ___ Abandoned Containers
- ___ LUST
- ___ NR 600 Hazardous Waste
- ___ NR 500 Solid Waste
- ___ Spills
- ___ Superfund
- ___ Water Supply
- ___ Water Resources
- ___ Environmental Repair
- ___ DATCP
- ___ **DCOM**
- ___ **CODE 76**

RESPONSIBLE PARTY is a __Company or a __Person
Company Name:
Contact Person:
Address:

Phone: ( )
CC:

CONSULTANT:
Company Name:
Contact Name:
Address:

Phone: ( )
CC: (EG: lab)

IMPACTS: (enter P for potential, K for known)
- ___ Fire/Explosion Threat
- ___ Contaminated Private Well(s) _____ No. of Wells
- ___ Contaminated Public Well
- ___ Groundwater Contamination
- ✓ Soil Contamination
- ___ Surface Water Impacts
- ___ Free Product
- ___ Storm Sewer Contam.
- ___ Sanitary Sewer Contam.
- ___ Air Contamination
- ___ Direct Contact
- ___ Concrete/Asphalt
- ___ Contained/Recovered
- ___ Other:

NEW FOLDER? Y__ N__

*YOUR INITIALS*_____

SUBSTANCES:

	#Tanks/containers	Size
✓ Leaded Gas	1	1000
___ Unleaded Gas		
✓ Diesel	1	10K
___ Fuel Oil		
___ Unknown Hydrocbn		
___ Waste Oil		
___ Metals		
___ RCRA Haz. Waste		
___ VOCs		
___ Chlorinated Solvent		
___ PCBs		
___ Foundry Sand		
___ Misc. Fill		
___ Pesticides		
___ Leachate		
___ PAHs/SVOCs		
___ Oil & Grease		
___ Other		

entered in BRRTS ___/___/___ by _____ (initials)

formlust.doc

5. Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):

____Fire/explosion threat	X Soil contamination
____Contaminated private wells (# of wells)____	____Surface water impacts
____Contaminated public wells	____Floating product
____Groundwater contamination	____Other____

6. Contamination was discovered as a result of:

____Tank closure assessment X Site assessment ____(other)____

On what date: 12/22/98

Additional Comments:

Tanks have been upgraded to meet fed. standards. Piping was removed and replaced. Soil samples are from the ~~site asses~~ closure assessment of the piping I received the analytical today because I was out of the office.

2 tanks - 1K gasoline
10K diesel

FAX numbers to report leaking tank sites in DNR's five regions are as follows:

Northeast Region (920-492-5859)
Underground Tanks: Attention - Janis DeBrock
Aboveground Tanks: Attention - Roxanne Chronert
Brown, Calumet, Door, Fond du Lac *(except City of Waupun - see South Central Region)*, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties

Northern Region (715-365-8932); Attention - Janet Kazda:
Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

South Central Region (608-275-3338); Attention - Marilyn Jahnke:
Columbia, Crawford, Dane, Dodge, Fond du Lac *(City of Waupun only)*, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

Southeast Region (414-229-0810); Attention - Mike Farley:
Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties

West Central Region (715-839-6076); Attention - John Grump:

Table 1
Soil Sampling Results - Piping Replacements
Tractor Garage Refueling Area
Wisconsin Electric - Pleasant Prairie Power Plant
STS Project No. 85863XA

Sample No.	S-1	S-2	S-3	S-4	S-5
Sample Depth	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface	4.5 feet below ground surface
Soil Description	Crushed stone, some gravel	Crushed stone, some gravel	Crushed stone, some gravel	crushed stone Some Gravel	crushed stone Some Gravel
Odor?	Petroleum	Petroleum	Petroleum	Petroleum	Petroleum
PID Reading (IU)	620	160	260	160	250
DRO, mg/kg	**3,320 (D1, D2A)**	**3,910 (D1)**	**6,600 (D1)**	**12,100 (D1)**	**19,500 (D1)**
GRO, mg/kg	**777 (G2, G6)**	**481 (G3, G6)**	**777 (G3, G6)**	NA	NA

NOTES:

1. DRO - Diesel Range Organics (WI. Modified Method).
2. mg/kg - milligrams per kilogram, or parts per million.
3. Sample depths shown in feet below ground surface.
4. Field PID (IU) - Photoionization Detector result. IU - Instrument Units, similar to ppm.
5. NR 720 RCL = Residual Contaminant Level = 1) the NR 720 Table 1 generic RCL = 100 for DRO
6. **101** = NR 720 RCL exceedance
7. Samples analyzed by U.S. Filter/Enviroscan laboratory in Rothschild, WI
8. See Figure 2 for sampling locations.
9. D1-The chromatogram is charaleristic for a fuel oil/diesel. (i.e. # 1 or #2 diesel, jet fuel, kerosene, aged or degraded diesel, etc.)
10. D2A-The chromatagram is Characteristic for a light petroleum product. (i.e. gasoline, aged or degraded gasoline, mineral spirits, etc.)
11. G2- The Chromatagram has characteristics of an aged gasoline sample.
12. G6- The cromatogram contains a significant number of peaks and a raised baseline
13. G3 - The chromatogram is not distinct for either gas or aged gas. It has a reportable concentration of peaks / area within the GRO window.
14. NA - Not analyzed