ENVIRONMENT
& HEALTH

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Pleasant Prairie Power Plant Sulfate in Groundwater

Pleasant Prairie Power Plant, Pleasant Prairie, WI
BRRTS#: 02-30-527479

February 14, 2020

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Ref. 70068

Dear Ms. Laube-Anderson:

On behalf of We Energies, O'Brien & Gere Engineers, Inc., a Ramboll Company (Ramboll), has prepared this letter report discussing the presence of sulfate in groundwater at the Pleasant Prairie Power Plant (P4), BRRTS#: 012-30-527479. This letter report was prepared with the intent of obtaining a No Action Required or No Further Action determination from the Wisconsin Department of Natural Resources (WDNR). On August 1, 2019, We Energies submitted a technical memorandum, *Pleasant Prairie Power Plant (P4) Sulfate in Groundwater BRRTS#:02-30-527479*, and technical assistance form (Form 4400-237) and associated fee. In email correspondence on October 1, 2019, WDNR provided comments on the technical memorandum; the comments were further discussed on a conference call on October 18, 2019. This letter report was prepared to address comments received from WDNR.

We Energies initially submitted a technical memorandum, *Pleasant Prairie Power Plant (P4) Groundwater Monitoring Program Review*, dated June 29, 2018, on July 2, 2018 for WDNR review and comment. In an email dated October 17, 2018 the WDNR provided references that indicated the presence of naturally occurring sulfate concentrations in groundwater. The October 17, 2018 response from WDNR suggested that an argument could be made that the concentrations of sulfate were naturally occurring, and if substantiated, a No Action Required or No Further Action determination may be appropriate.

Ramboll has incorporated previous comments and evaluated the references provided by the WDNR and has gathered additional information as lines of evidence to support a No Further Action determination. This letter includes a brief discussion of the references provided by the WDNR and documentation which supports that concentrations of sulfate reported in groundwater near P4 may be naturally occurring. The lines of evidence that suggest sulfate concentrations are naturally occurring include:

- Regionally elevated concentrations of naturally occurring sulfate in groundwater and increased sulfate in precipitation

- Geochemical conditions including;
    - Variability in groundwater elevations to release sulfate from oxidation of sulfide minerals within the clay till
    - Surficial activities that potentially mobilize sulfate from shallow clay till and/or road base materials
- Soil sample results from below the coal pile runoff basin liner

Furthermore, the power plant infrastructure including the coal pile and other potential sources (basins and runoff ditches) have been removed eliminating those facilities as potential sources that may have contributed to the sulfate concentrations in groundwater. The power plant was fueled with low sulfur coal during the life of the plant's operations.

SUMMARY OF SULFATE IMPACTS IN GROUNDWATER

The sulfate concentrations detected in groundwater from monitoring wells onsite (Figure 1) and trends were discussed in detail in the June 29, 2018 memorandum, additional evaluation including the 2019 results are included in the Figure below, Table 1, and are summarized as follows:

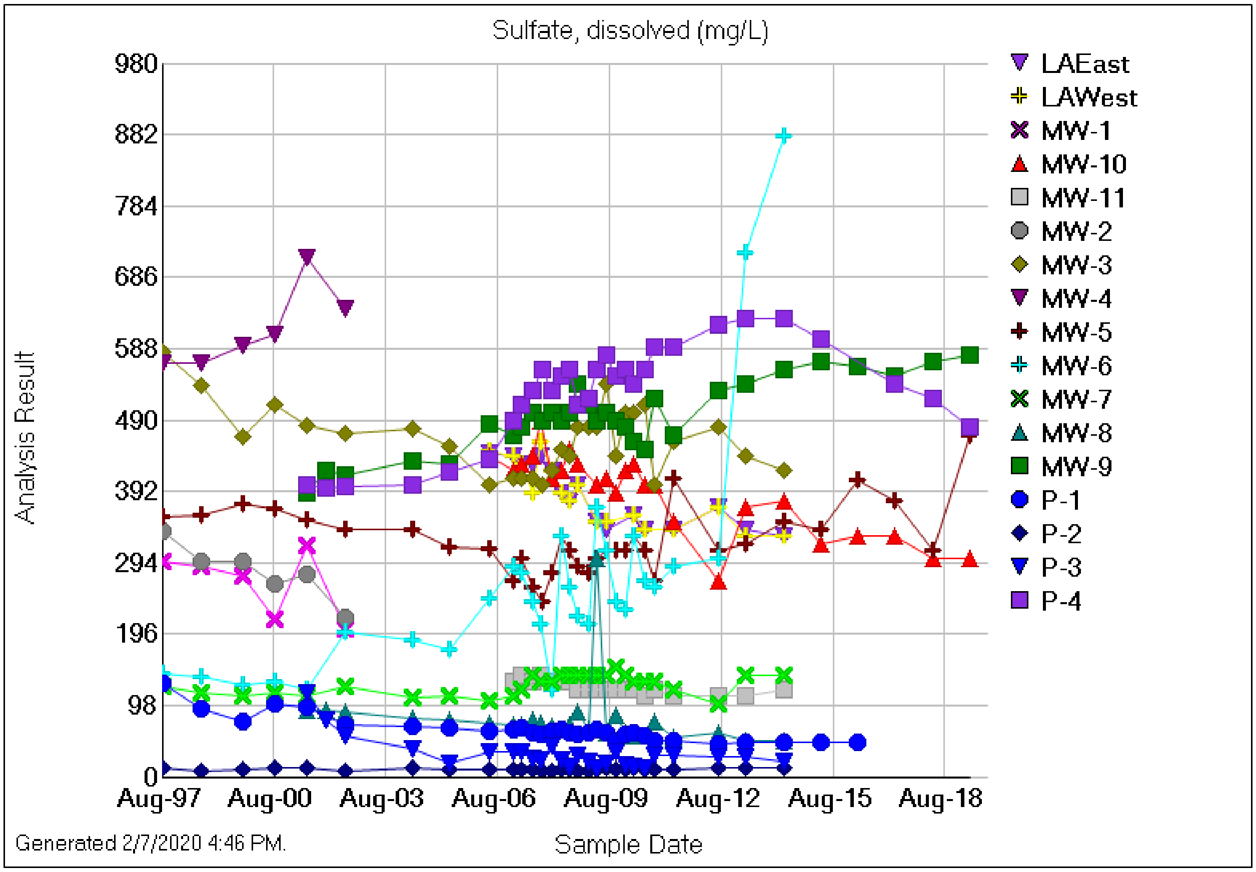
- An upward trend reported in MW-9 concentrations may have peaked and are stabilizing based on the last five rounds of data.

- Upward trends which were reported in piezometer P-4 are no longer observed and no statistically significant trends are observed. Recent data from the last five rounds suggest a downward trend.

- A downward trend reported in MW-10 is no longer present and concentrations indicate a stable trend. However, the median concentration detected over the eight most recent sampling events (330.5 mg/L) is less than the median concentration (420 mg/L) detected previously (1997-2011) indicating overall improvement in groundwater quality.

- Concentrations of sulfate in MW-5 have been variable following completion of basin lining activities and following their recent removal; recent data from the last three events indicates sulfate continues to be variable with concentrations ranging 160 mg/L (from 470 to 310 mg/L).

The groundwater flow direction is to the southwest as shown in Attachment A. Based on flow directions the sulfate concentrations and trends detected in groundwater may be the result of several contributing factors which include natural sources and the former plant infrastructure (as historically attributed). The relative contribution from each of these potential sources was not evaluated, but the potential sources from the former plant operations that are associated with this BRRTS case have been removed and as a result will not impact groundwater.



Sulfate concentrations in groundwater monitoring wells.

POTENTIAL SOURCES OF SULFATE IMPACTS IN GROUNDWATER

In addition to the information in the references provided by the WDNR, a literature search and review was conducted to identify potential sources of sulfate in shallow clay soils and within the sand and gravel aquifer in which the P4 monitoring wells are screened. Literature review indicated that the following conditions in addition to the plant operations may contribute to elevated sulfate concentrations detected in groundwater:

- Elevated naturally occurring sulfate concentrations in the Silurian dolomite and glacial sand and gravel aquifer
- Local evidence for elevated sulfate in shallow monitoring wells as demonstrated by a nearby BRRTS case with similar/higher sulfate concentrations unrelated to P4 operations
- Increased sulfur (as sulfate) present in southeast Wisconsin precipitation
- Low pH is measured in precipitation in southeast Wisconsin (which can influence geochemical conditions)

Each of these potential sources is discussed below.

Sulfate Concentrations in the Silurian Dolomite and Overlying Sand and Gravel

The monitoring wells at the site are screened within the unconsolidated glacial deposits which include clay till, silt, and sand. In general, the deeper wells (labeled with "P") are screened within the sand and gravel aquifer, while shallower wells are screened at least partially in the clay till. Based on the literature review, "the sand and gravel aquifer is connected hydrologically with the Silurian dolomite aquifer. Water moves freely between the aquifers, which generally are considered to be a single hydrologic unit referred to as the shallow aquifer" (SEWRPC, 2002).

A summary of groundwater data from this aquifer compiled by Kemmerer (1984) indicates that the regional concentrations of sulfate in the sand and gravel aquifer range from 0.4 to 893 mg/L, and in the Silurian dolomite the range is 0.4 to 1,400 mg/L. Furthermore, "log transformed sulfate concentration values are distributed normally or closely approximate normal distributions in all units. As a result, it is assumed that these data represent valid statistical samples of likely concentrations in areas of these units where data are available" (Kemmerer, 1984). Concentrations of sulfate detected in the site monitoring wells are within the range of concentrations detected in the same aquifer throughout the state prior to when plant operations began in 1984, and summarized in this study, and therefore concentrations detected near P4 may be a result of natural variability within these aquifers.

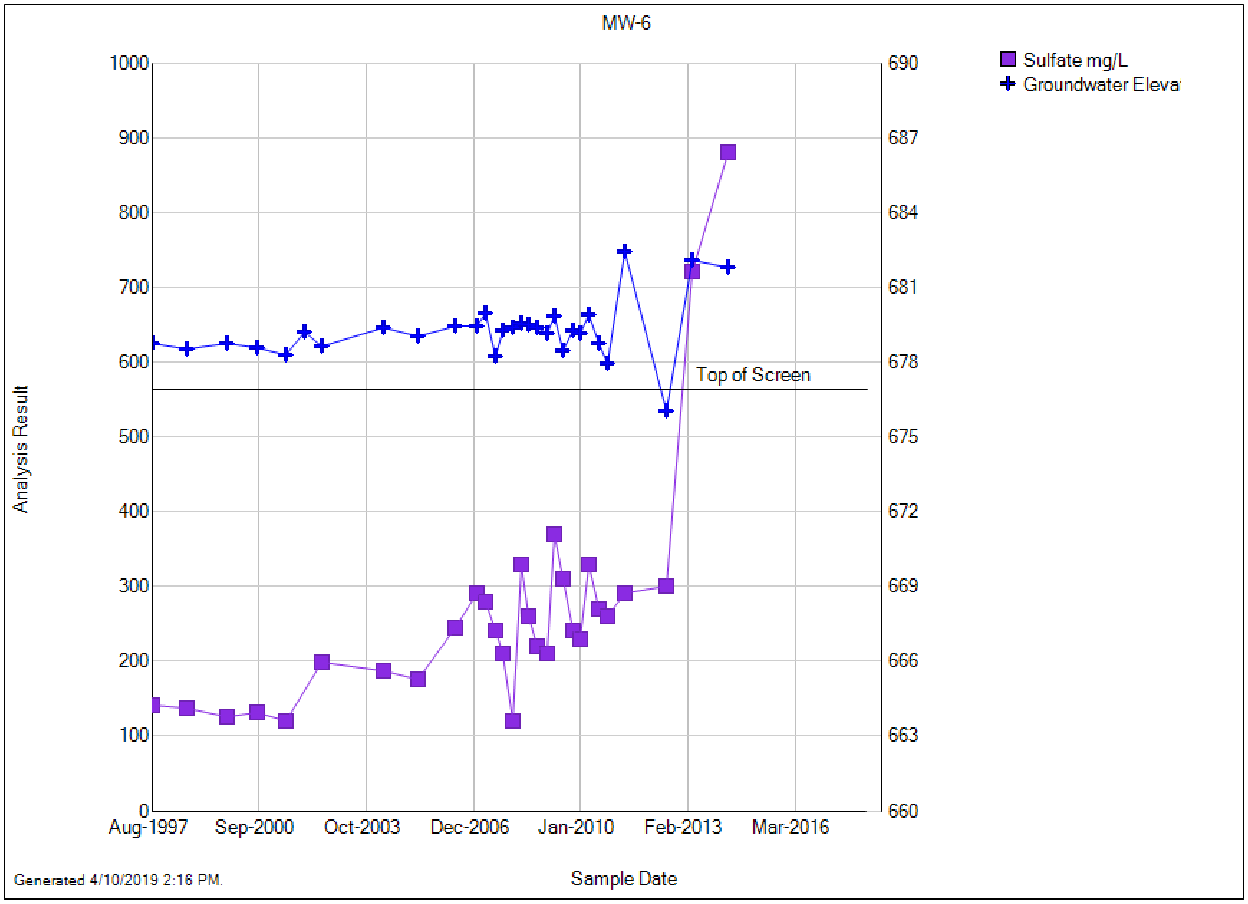
Evidence for Elevated Sulfate at Nearby BRRTS Sites

A survey of BRRTS cases located in the vicinity of P4 was completed using the WDNR Remediation and Redevelopment Sites Map (RR Sites Map), to identify sites that may have analyzed groundwater for sulfate concentrations. Sulfate concentrations are sometimes measured to evaluate whether natural attenuation is occurring at petroleum or chlorinated volatile organic compound (PVOCs or CVOCs) sites. Showing sulfate concentrations that decrease through time or along a flow path can be used as a line of evidence to support selection of monitored natural attenuation as a remedy.

One site, BRRTS Case #02-30-107682, was identified with accessible information that included concentrations of sulfate in shallow groundwater wells. The site is located about 1.5 miles northeast of the P4 property (Figure 2). The concentrations of sulfate in shallow groundwater monitoring wells and remediation sumps ranged from non-detect in sump locations to 870 mg/L in an upgradient background well (MW-1, Table B-1 Attachment B). This upgradient background well is screened within clay till and the measured water elevations were variable but were within the screened elevation of the well, (potentially resulting in oxidation of sulfide minerals in clay). The measured concentrations are similar to those associated with the P4 groundwater and, as discussed previously, within the range of regional concentrations reported in the summary report (Kemmerer, 1984). The BRRTS activity for this identified site was closed on September 25, 2002, with a groundwater use restriction because of residual petroleum impacts with no further requirements related to sulfate concentrations.

GEOCHEMICAL CONDITIONS

The natural sources of sulfate at the P4 site, as described in the Sulfate Concentrations in the Silurian Dolomite and Overlying Sand and Gravel section above, can be mobilized or migrate due to changes in the geochemical conditions at the site. In the November 13, 2014 technical memorandum *Groundwater Monitoring Program Review, We Energies Pleasant Prairie Power Plant* (NRT, 2014), increasing concentrations of sulfate and arsenic in groundwater at upgradient well MW-6 were attributed to oxidation of sulfide minerals at shallow depths in the soil column. High sulfate concentrations were a result of changes in groundwater elevation, which increased the potential for oxidation of pyrite minerals. In particular, the increase in sulfate during 2013, followed a significant decline and subsequent rebound in groundwater elevation (see below). When the water elevation is compared to the top of the screen elevation in MW-6, it is apparent that air (oxygen) was in contact with the aquifer materials which can explain the sharp increase in sulfate observed in MW-6 during 2013.

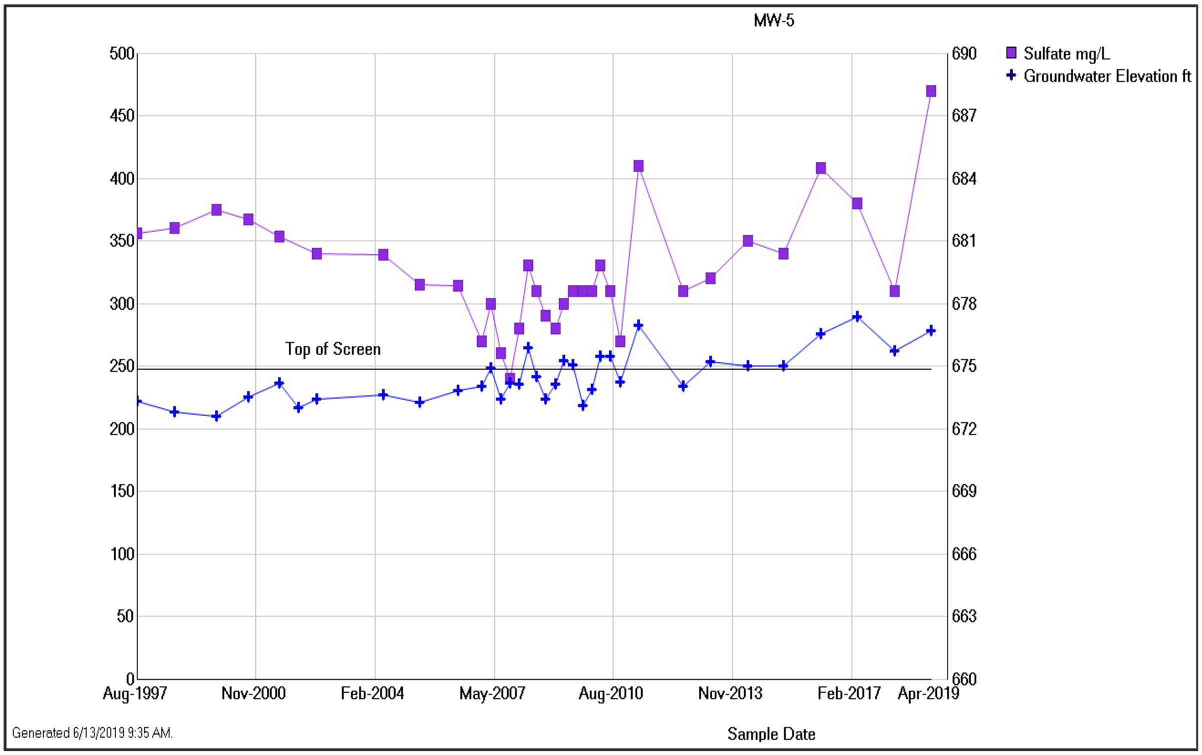


Groundwater concentrations and elevations in MW-6.

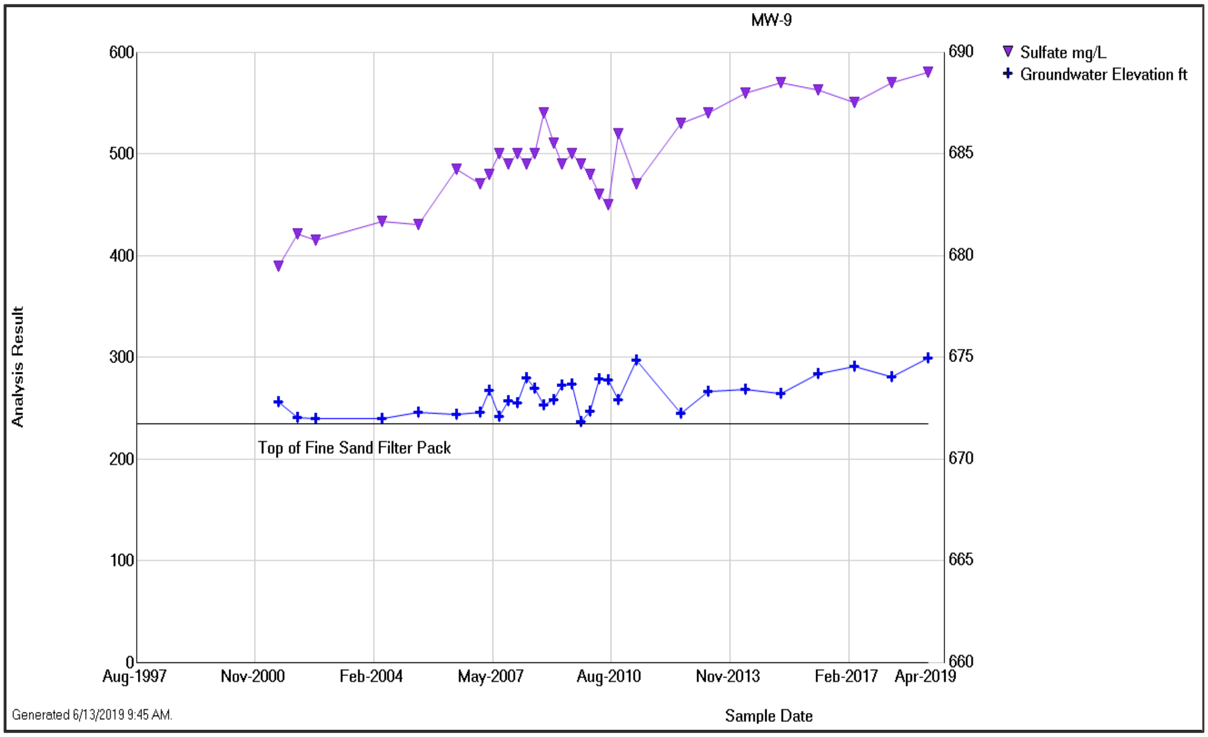
In addition to changes in water elevations, leaching of sulfate from surface deposition and/or oxidation of sulfide minerals contained in materials placed at the surface (i.e. road base, railroad ballast, and laydown lots from historical construction), has the potential to release sulfate to the aquifers over long term exposure to precipitation. Both mechanisms that have the potential to release sulfate to the aquifer are evaluated below.

Variability in Groundwater Elevation

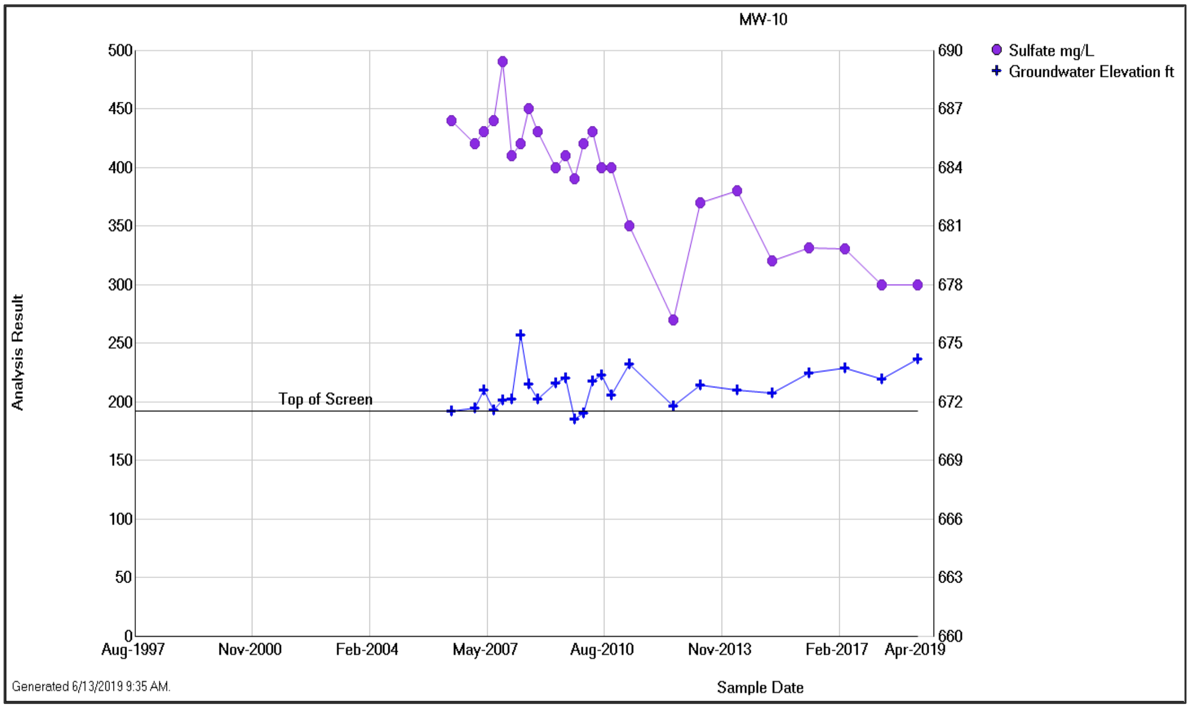
Groundwater elevations and sulfate concentrations are plotted for monitoring wells MW-5, MW-9, and MW-10. As shown in the plots, sulfate concentrations appear elevated when water elevations are at or near the screened interval. Significant increases also occur following periods when the water elevation declines to be within the screened interval (i.e. MW-5 and MW-9 in fall 2010, or MW-10 in fall 2012) which allows oxygen to contact the aquifer materials. P-4 is a piezometer, therefore changes in water elevation are not expected to result in variability in groundwater concentrations, however concentrations exhibit similar trends which indicates groundwater concentrations may be responding to variable water levels in upgradient recharge areas.



Groundwater concentrations and elevations in MW-5.

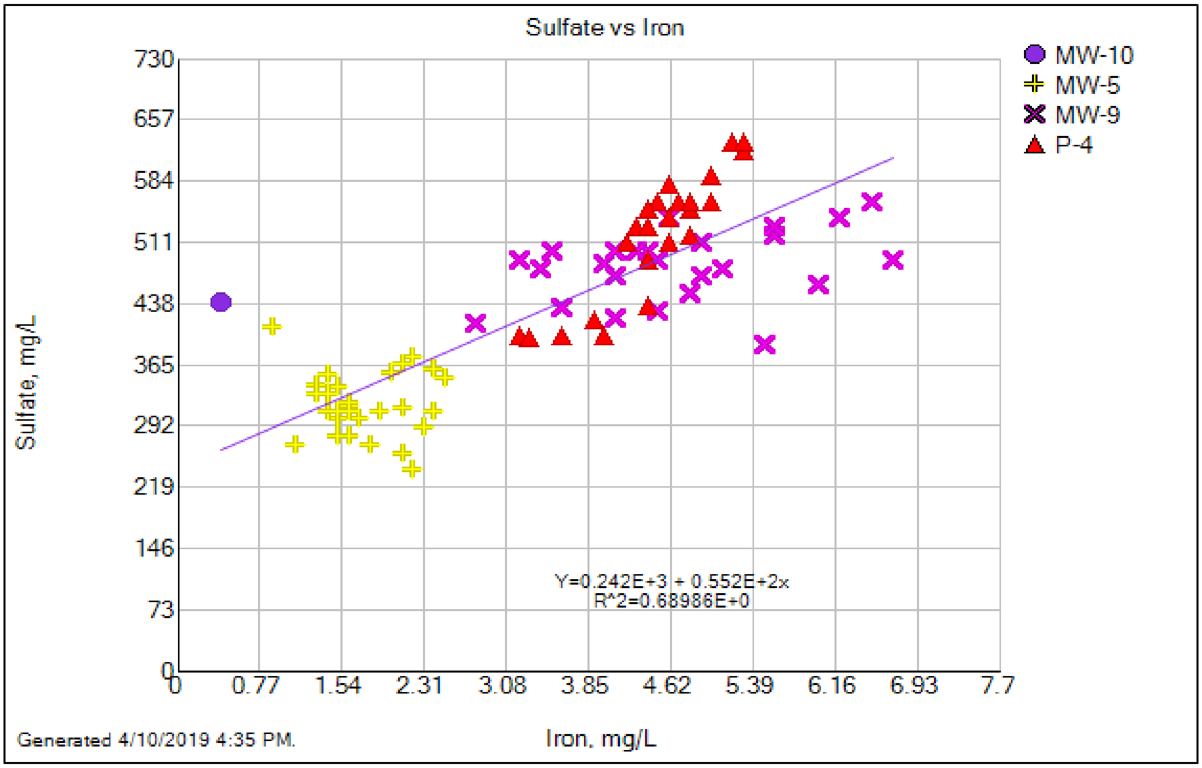


Groundwater concentrations and elevations in MW-9.



Groundwater concentrations and elevations in MW-10.

A scatter plot of iron and sulfate concentrations in these wells (below) provides support that pyrite oxidation is occurring because the resulting iron and sulfate concentrations show a relatively high correlation.



Sulfate and iron concentrations in downgradient wells.

Surficial Activity and Potential Mobilization of Sulfate from Shallow Soils

Sulfate concentrations can also be mobilized from surficial deposition or shallow materials that contain sulfide minerals. During construction of P4 and the necessary support structures, (i.e. substations, transmission lines, parking lots, roads, etc.) clay soils at the surface were disturbed over a large area (Figures 3 and 4). Limestone and gravel road base that is quarried in the area and utilized for construction often contains minor inclusions of sulfide minerals (arsenopyrite, pyrite, marcasite, sphalerite) and it is likely that these were displaced and exposed to air and/or precipitation which changes the geochemical conditions and increases the potential for oxidation and sulfate migration. Long term leaching of sulfate may occur from these sources:

- Pyrite and other sulfide minerals within formerly anaerobic clay till or road base materials (see historic aerials Figures 3 and 4)
- Lake Andrea was a former quarry as shown in historic aerials from 1974 to the 1990’s (Figures 3-5), it is unclear what was mined from the quarry, but minerals were exposed to oxidation during the quarrying activities and could result in long term elevated sulfate within the lake

Soil Sample Results – Coal Pile Runoff Basin

Following removal of the Coal Pile Runoff Basin, soil samples were collected from the soils underlying the basin. The samples were analyzed for metals and indicators of potential impacts, and the results are provided in Table 2a and 2b and locations are shown in Figure 1 in Attachment D. The results indicate that only arsenic in two samples was detected above the industrial direct contact residual contaminant level (RCL). Arsenopyrite (Fe, As-S) and pyrite often are found in similar settings and as expected, concentrations of arsenic and sulfate were reported coincidentally within the clay till and road base materials. Sulfate was detected at concentrations ranging from 97.9 to 376 mg/kg. The presence of these compounds and their concentrations are representative of the clay till and gravel fill below the liner and because they are not significantly elevated are not indicative of a release from the basins.

Removal of the lined basin also expose the underlying materials (clay and gravel) to precipitation and potential oxidation since they are no longer isolated by the liner. The ground disturbance that occurred during removal and the remaining soils that are exposed at the surface could continue to be a source of sulfate to the aquifer until all available sulfate is leached. The recent concentration increases in MW-5, which is located nearest to these basins, may be a result of these activities.

Sulfate in Precipitation

Sulfate in precipitation is elevated in the southeast portion of the state, including Milwaukee, Racine, and Kenosha Counties (see Figure 12-6 below.) Sulfate deposition occurs when sulfur dioxide reacts with water in the air to form sulfate and sulfuric acid. The sulfate and sulfuric acid are deposited or transferred to surface or groundwater when it rains. Through evaporation and evapotranspiration water is removed and sulfate may become concentrated in soils, surface water, and groundwater. Due to the distribution of industry and heavy transportation traffic in southern Wisconsin and northern Illinois, the southeast portion of Wisconsin is susceptible to higher concentrations and more sulfate deposition with acidic precipitation as shown in the figure below.

Figure 12-6. Sulfate sulfur in precipitation.
Source: National Atmospheric Deposition Program. 1999.

The amount of sulfate deposition and the acidity of precipitation has decreased as levels of SO_2 released to the atmosphere have been reduced in the last 30 years. In this area of the state the sulfate concentrations in precipitation have decreased from >2 mg/L in 1985 to <1 mg/L in 2017 (Attachment C1). Similarly, the pH in precipitation has increased from about 4.4 S.U. in 1985 to 5.8 S.U. in 2017 (Attachment C2). The presence of over a century of sulfate in precipitation likely contributed to sulfate concentrations detected in groundwater, and the acidity of the precipitation influences the geochemical conditions of the aquifer. Changes in geochemical conditions can increase the potential sulfate release from soils and aquifer solids.

REMOVAL AND DECOMMISSIONING OF POTENTIAL SOURCES

After further investigation and evaluation of sulfate concentrations in the vicinity of the site, there is significant evidence to suggest that the sulfate in the groundwater is naturally occurring to a substantial extent. Historically, the plant infrastructure may have contributed to the sulfate concentration detected in groundwater, but the magnitude is unclear, and these facilities were removed in 2017-2018 and any potential contribution has been eliminated. The removal of the basins and other infrastructure are, in effect, removal of a potential source of sulfate or a remedial activity.

CONCLUSIONS

Based on the information provided in this memorandum, sulfate in groundwater near P4 is likely a result of natural sources; however, plant operations, including construction activities and the low sulfur coal pile and ditches and basins, cannot be ruled out as a former contributing source. However, these sources have been removed, and although elevated sulfate concentrations may persist due to removal activities, We Energies operations no longer contributes to sulfate concentrations in groundwater, and no further action for We Energies is appropriate.

Please contact the undersigned or Tim Muehlfeld at We Energies, 414-221-2206, to discuss any questions or comments.

Sincerely,

Nathaniel R Keller

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Figures

Figure 1	Monitoring Locations
Figure 2	Aerial Photograph 1981
Figure 3	Aerial Photograph 1987
Figure 4	Aerial Photograph 1974

Tables

Table 1	Groundwater Analytical Results
Table 2A	Summary of Post-Liner Removal Soil Sample Field Observations
Table 2B	Summary of Post-Liner Soil Sample Laboratory Analytical Results
Table 3	Surface Water Analytical Results

Attachments

Attachment A	Groundwater Flow Direction
Attachment B	Ocean Spray Summary, Figure, and Table
Attachment C1	Sulfate in Precipitation 1985-2017
Attachment C2	pH in Precipitation 1985-2017
Attachment D	Soil Sample Locations

cc: Tim Muehlfeld, WEC Business Services, LLC

FIGURES

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Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Comm

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■ CURRENT MONITORING LOCATION
▨ PAST MONITORING LOCATION

0 400 800
Feet

MONITORING LOCATIONS

WE ENERGIES GROUNDWATER/SURFACE WATER MONITORING
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

FIGURE 1

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

Y:\GIS\Projects\16\1660\P4\MXD\Tech_Memo_2019\Figure 2_Ocean Spray Site.mxd

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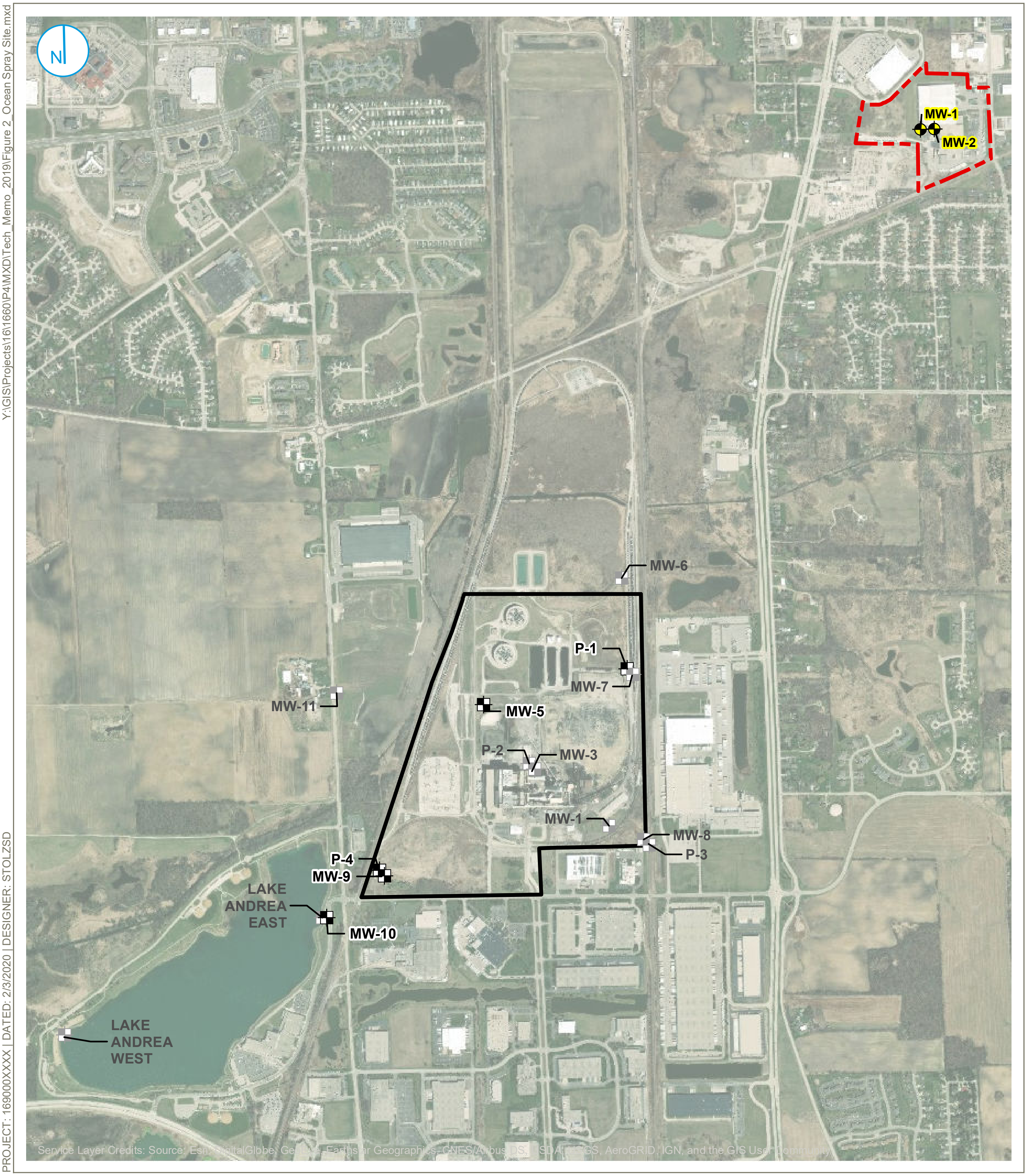

■ CURRENT MONITORING LOCATION
▨ PAST MONITORING LOCATION
⊕ OCEAN SPRAY MONITORING WELL LOCATION
▭ PLEASANT PRAIRIE POWER PLANT PROPERTY
▭ OCEAN SPRAY SITE PARCEL BOUNDARY (BRRTS #: 02-30-107682)

0 875 1,750
Feet

OCEAN SPRAY SITE

FIGURE 02

WE ENERGIES GROUNDWATER/SURFACE WATER MONITORING
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

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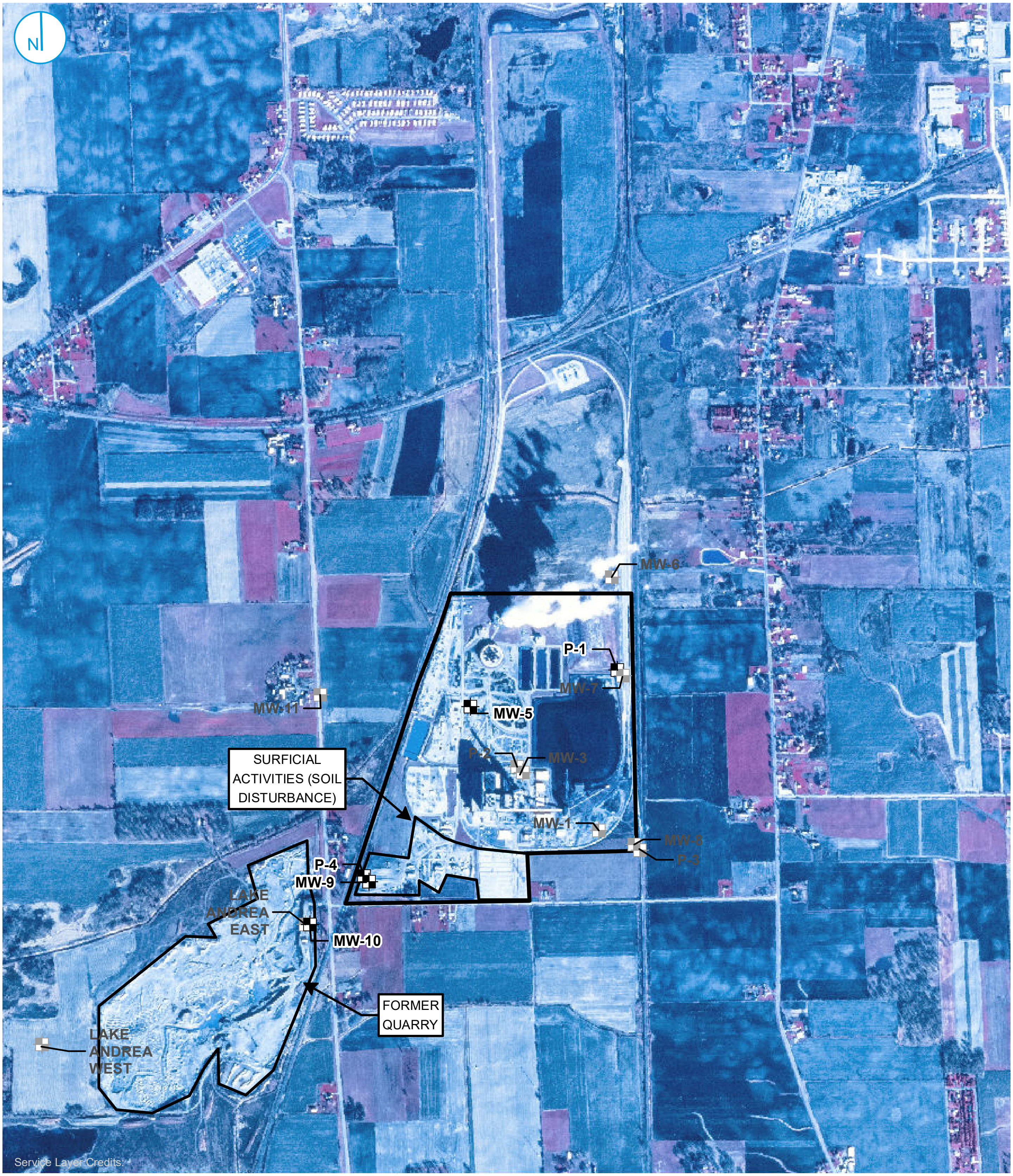

▣ CURRENT MONITORING LOCATION
▢ PAST MONITORING LOCATION
▭ PLEASANT PRAIRIE POWER PLANT PROPERTY

0 875 1,750 Feet

1981 IMAGERY

FIGURE 03

WE ENERGIES GROUNDWATER/SURFACE WATER MONITORING
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

RAMBOLL US CORPORATION
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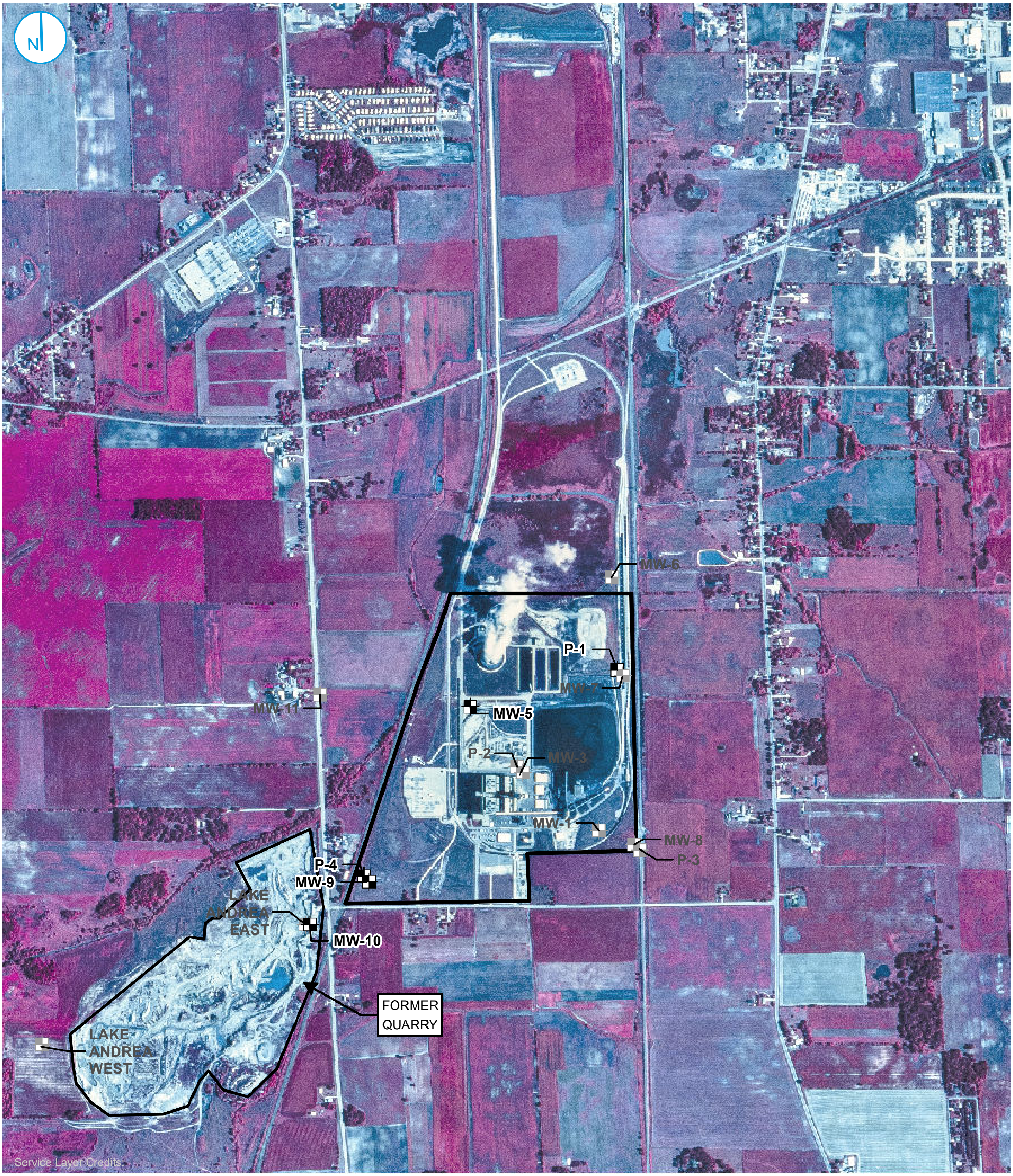

▨ CURRENT MONITORING LOCATION
▨ PAST MONITORING LOCATION
▭ PLEASANT PRAIRIE POWER PLANT PROPERTY

0 875 1,750 Feet

1987 IMAGERY

FIGURE 04

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

WE ENERGIES GROUNDWATER/SURFACE WATER MONITORING
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

Y:\GIS\Projects\16\1660\P4\MXD\Tech_Memo_2019\Figure 5_1974 Imagery.mxd

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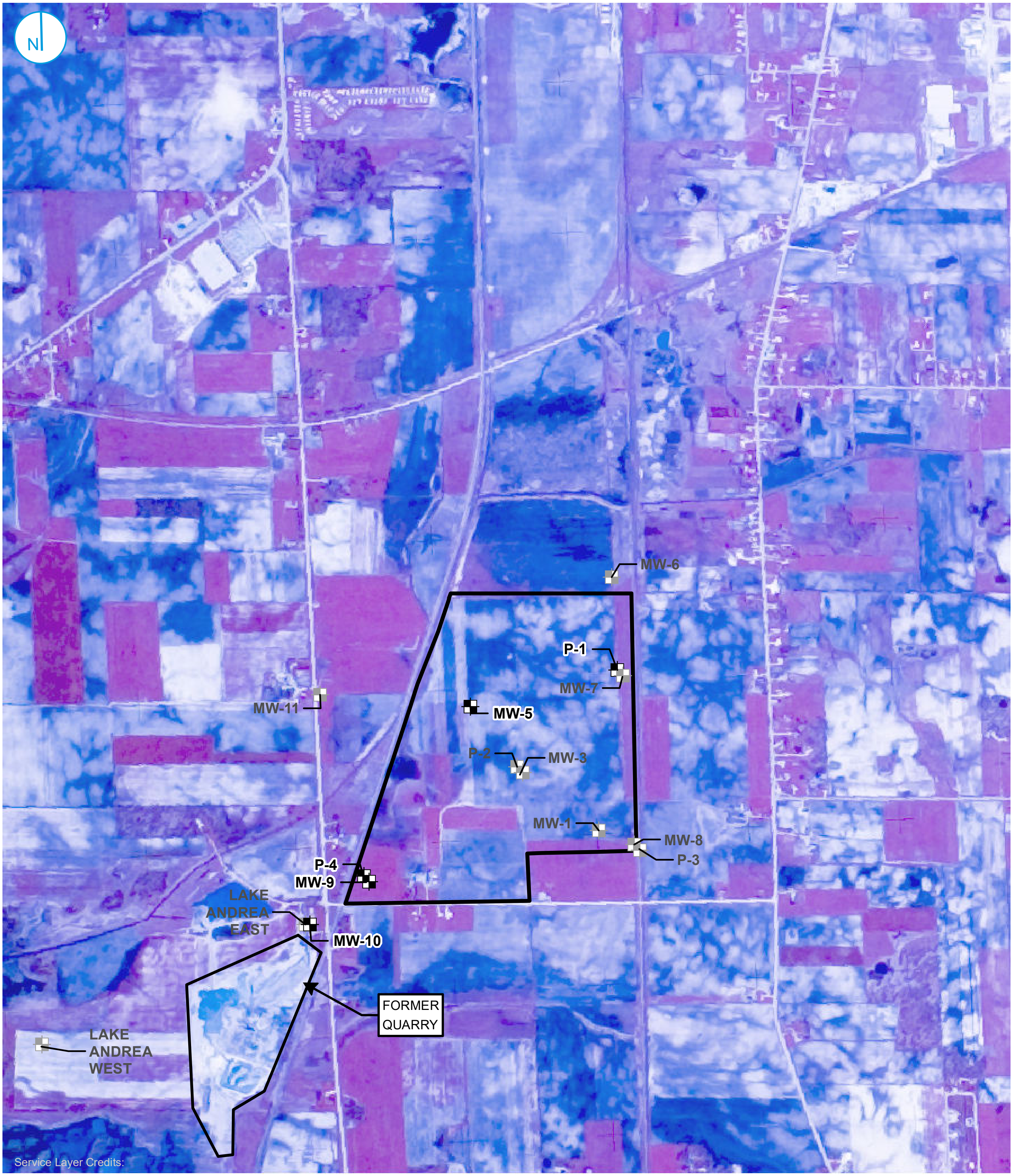


▣ CURRENT MONITORING LOCATION

▨ PAST MONITORING LOCATION

▭ PLEASANT PRAIRIE POWER PLANT PROPERTY

0 875 1,750 Feet

1974 IMAGERY

FIGURE 05

RAMBOLL US CORPORATION
A RAMBOLL COMPANY

WE ENERGIES GROUNDWATER/SURFACE WATER MONITORING
PLEASANT PRAIRIE POWER PLANT
PLEASANT PRAIRIE, WISCONSIN

TABLES

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total	
Reporting Units:			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Wisconsin PAL:			0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2	
Wisconsin ES:			**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**	
Inhouse-39834	Inhouse	1/21/2009	--		--		<0.34	U	--		<0.63	U	--		<10	U	--		--		<1.3	U	<0.015	U	<0.69	U	<0.021	U	--		--	
Inhouse-39911	Inhouse	4/8/2009	--		--		<0.29	U	--		11		--		<15	U	--		--		<1.3	U	<0.048	U	2.1		<0.049	U	--		--	
Inhouse-40007	Inhouse	7/13/2009	--		--		<0.29	U	--		<1.5	U	--		<15	U	--		--		1.3		<0.048	U	<18	U	<0.049	U	--		--	
Inhouse-42472	Inhouse	4/12/2016	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-35655	MW-1	8/13/1997	--		--		1.9		19		26		<0.1	U	--		<0.6	U	<0.7	U	**2,000**		<1	U	--		**630**		0.07		--	
MW-1-36034	MW-1	8/27/1998	--		--		4.3		23		42		<0.05	U	--		<0.2	U	<1	U	**1,600**		<0.7	U	--		**390**		<0.18	U	--	
MW-1-36447	MW-1	10/14/1999	--		--		2.8		24		49		<0.14	U	150,000		<0.6	U	<1.2	U	**1,500**		<0.6	U	69,000		**320**		0.22		--	
MW-1-36459	MW-1	10/26/1999	--		--		--		--		--		--		--		--		--		--		--		--		--		<0.18	U	--	
MW-1-36766	MW-1	8/28/2000	--		--		2.4		24		41		<0.15	U	130,000		<0.4	U	<1.1	U	**1,600**		<0.59	U	64,000		**300**		<0.18	U	--	
MW-1-37074	MW-1	7/2/2001	--		--		2.1		23		49		<0.17	U	170,000		<0.4	U	<0.8	U	**3,800**		<0.9	U	87,000		**1,500**		<0.18	U	--	
MW-1-37264	MW-1	1/8/2002	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-37453	MW-1	7/16/2002	--		--		3.8		24		37		<0.12	U	130,000		0.27		<0.9	U	**1,700**		<0.7	U	69,000		**450**		<0.19	U	--	
MW-1-38860	MW-1	5/23/2006	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-39091	MW-1	1/9/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-39183	MW-1	4/11/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-39286	MW-1	7/23/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-39643	MW-1	7/14/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-1-40007	MW-1	7/13/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-38860	MW-10	5/23/2006	--		--		1.4		--		87		--		270,000		--		--		**400**		0.29		100,000		**470**		<0.011	U	--	
MW-10-39091	MW-10	1/9/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39184	MW-10	4/12/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39287	MW-10	7/24/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39372	MW-10	10/17/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39470	MW-10	1/23/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39562	MW-10	4/24/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39644	MW-10	7/15/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39729	MW-10	10/8/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-39912	MW-10	4/9/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40008	MW-10	7/14/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40106	MW-10	10/20/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40192	MW-10	1/14/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40281	MW-10	4/13/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40379	MW-10	7/20/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40476	MW-10	10/25/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-40660	MW-10	4/27/2011	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-41101	MW-10	7/11/2012	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-41374	MW-10	4/10/2013	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-41745	MW-10	4/16/2014	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-42103	MW-10	4/9/2015	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-42472	MW-10	4/12/2016	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-42837	MW-10	4/12/2017	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-43208	MW-10	4/18/2018	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	
MW-10-43572	MW-10	4/17/2019	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	

			Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
Reporting Units:			µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	µmhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
Wisconsin PAL:			10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
Wisconsin ES:			**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
Inhouse-39834	Inhouse	1/21/2009	--		--		--		--		<5	U	--		--		--		<0.1	U	<2.5	U	<36	U	--		--	--	--	--
Inhouse-39911	Inhouse	4/8/2009	--		--		--		--		--		--		--		--		<0.1	U	<1	U	<36	U	--		--	--	--	--
Inhouse-40007	Inhouse	7/13/2009	--		--		--		--		<5	U	--		--		--		<0.1	U	<1	U	<36	U	--		--	--	--	--
Inhouse-42472	Inhouse	4/12/2016	--		--		--		--		--		--		--		--		**588**		--		--		--		14.87	8.3	1,580	10.5
MW-1-35655	MW-1	8/13/1997	<1	U	0.08		--		<10	U	350		33		<5	U	--		**296**		730		930		673.13		16.67	7.1	1,213	9
MW-1-36034	MW-1	8/27/1998	0.7		<0.14	U	--		79		350		25		<3.5	U	--		**289**		720		858		672.83		16.97	7.1	1,203	10
MW-1-36447	MW-1	10/14/1999	<0.9	U	<0.094	U	--		0		370		28		9		--		**276**		660		834		672.51		17.29	7	1,136	11.5
MW-1-36459	MW-1	10/26/1999	--		--		--		--		--		--		--		--		--		--		--		672.3		17.5	7	1,119	11
MW-1-36766	MW-1	8/28/2000	<1.2	U	<0.17	U	--		4.6		310		33		<3.9	U	--		217		590		822		673.38		16.42	7.1	1,043	11
MW-1-37074	MW-1	7/2/2001	<1.2	U	<0.17	U	--		<3.2	U	410		24		6.2		--		**318**		780		993		673.96		15.84	6.9	1,319	10
MW-1-37264	MW-1	1/8/2002	--		--		<3.4	U	--		--		--		--		<0.011	U	--		--		--		672.91		16.89	6.9	1,135	11
MW-1-37453	MW-1	7/16/2002	<1.1	U	<0.1	U	<2	U	<3.6	U	320		42		2.5		0.31		204		610		718		673.26		16.54	7	1,053	11
MW-1-38860	MW-1	5/23/2006	--		--		--		--		--		--		--		--		--		--		--		673.56		16.24	--	--	--
MW-1-39091	MW-1	1/9/2007	--		--		--		--		--		--		--		--		--		--		--		673.75		16.05	--	--	--
MW-1-39183	MW-1	4/11/2007	--		--		--		--		--		--		--		--		--		--		--		673.86		15.94	--	--	--
MW-1-39286	MW-1	7/23/2007	--		--		--		--		--		--		--		--		--		--		--		673.52		16.28	--	--	--
MW-1-39643	MW-1	7/14/2008	--		--		--		--		--		--		--		--		--		--		--		674.22		15.58	--	--	--
MW-1-40007	MW-1	7/13/2009	--		--		--		--		--		--		--		--		--		--		--		675.03		14.77	--	--	--
MW-10-38860	MW-10	5/23/2006	--		--		--		--		420		--		12		--		**440**		1,100		**2,000**		671.5		11.92	6.5	2,680	11
MW-10-39091	MW-10	1/9/2007	--		--		--		--		--		--		--		--		**420**		--		--		671.67		11.75	6.6	2,780	13
MW-10-39184	MW-10	4/12/2007	--		--		--		--		--		--		--		--		**430**		--		--		672.58		10.84	6.9	2,680	10
MW-10-39287	MW-10	7/24/2007	--		--		--		--		--		--		--		--		**440**		--		--		671.58		11.84	7.1	2,840	11.5
MW-10-39372	MW-10	10/17/2007	--		--		--		--		--		--		--		--		**490**		--		--		672.1		11.32	6.9	2,830	14.5
MW-10-39470	MW-10	1/23/2008	--		--		--		--		--		--		--		--		**410**		--		--		672.11		11.31	6.6	2,600	13
MW-10-39562	MW-10	4/24/2008	--		--		--		--		--		--		--		--		**420**		--		--		675.43		7.99	6.7	3,070	10.5
MW-10-39644	MW-10	7/15/2008	--		--		--		--		--		--		--		--		**450**		--		--		672.91		10.51	6.7	3,360	11
MW-10-39729	MW-10	10/8/2008	--		--		--		--		--		--		--		--		**430**		--		--		672.13		11.29	6.5	3,160	13
MW-10-39912	MW-10	4/9/2009	--		--		--		--		--		--		--		--		**400**		--		--		672.94		10.48	6.8	2,810	9.5
MW-10-40008	MW-10	7/14/2009	--		--		--		--		--		--		--		--		**410**		--		--		673.22		10.2	7	3,250	10.5
MW-10-40106	MW-10	10/20/2009	--		--		--		--		--		--		--		--		**390**		--		--		671.09		12.33	6.8	2,730	14
MW-10-40192	MW-10	1/14/2010	--		--		--		--		--		--		--		--		**420**		--		--		671.39		12.03	7	1,750	12
MW-10-40281	MW-10	4/13/2010	--		--		--		--		--		--		--		--		**430**		--		--		673.04		10.38	7.1	1,810	9.5
MW-10-40379	MW-10	7/20/2010	--		--		--		--		--		--		--		--		**400**		--		--		673.34		10.08	7.4	2,090	11.5
MW-10-40476	MW-10	10/25/2010	--		--		--		--		--		--		--		--		**400**		--		--		672.33		11.09	7.4	2,080	14.5
MW-10-40660	MW-10	4/27/2011	--		--		--		--		--		--		--		--		**350**		--		--		673.91		9.51	7	2,190	9.5
MW-10-41101	MW-10	7/11/2012	--		--		--		--		--		--		--		--		**270**		--		--		671.75		11.67	7	2,130	12
MW-10-41374	MW-10	4/10/2013	--		--		--		--		--		--		--		--		**370**		--		--		672.83		10.59	6.9	2,010	10
MW-10-41745	MW-10	4/16/2014	--		--		--		--		--		--		--		--		**380**		--		--		672.58		10.84	7.1	2,140	10
MW-10-42103	MW-10	4/9/2015	--		--		--		--		--		--		--		--		**320**		--		--		672.45		10.97	7.1	2,120	10.5
MW-10-42472	MW-10	4/12/2016	--		--		--		--		--		--		--		--		**331**		--		--		673.47		9.95	7.3	2,350	10
MW-10-42837	MW-10	4/12/2017	--		--		--		--		--		--		--		--		**330**		--		--		673.71		9.71	6.9	2,290	10
MW-10-43208	MW-10	4/18/2018	--		--		--		--		--		--		--		--		**300**		--		--		673.16		10.26	6.96	2,361.1	10.58
MW-10-43572	MW-10	4/17/2019	--		--		--		--		--		--		--		--		**300**		--		--		674.18		9.24	7	3,345	13

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

9-Digit Code	Sample Location	Sample Date	PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
			Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
MW-11-39092	MW-11	1/10/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		130		--		--		--		9.2	7	1,284	11
MW-11-39184	MW-11	4/12/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		140		--		--		--		7.25	6.9	1,241	10
MW-11-39287	MW-11	7/24/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		130		--		--		--		10.99	7.4	1,285	11
MW-11-39372	MW-11	10/17/2007	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		140		--		--		--		10.42	7.2	1,265	13.5
MW-11-39470	MW-11	1/23/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		130		--		--		--		8.87	6.9	1,201	11.5
MW-11-39562	MW-11	4/24/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		130		--		--		--		8.34	7.1	1,322	10
MW-11-39644	MW-11	7/15/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		130		--		--		--		9.44	7.2	1,328	10.5
MW-11-39729	MW-11	10/8/2008	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		11.49	6.9	1,279	12
MW-11-39835	MW-11	1/22/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		9.82	7.6	1,355	11
MW-11-39912	MW-11	4/9/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		8.22	7.2	1,257	9.5
MW-11-40008	MW-11	7/14/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		9.79	7.4	1,262	10
MW-11-40106	MW-11	10/20/2009	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		12.24	7.3	1,223	11.5
MW-11-40192	MW-11	1/14/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		9.29	7.3	1,204	10.5
MW-11-40281	MW-11	4/13/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		7.82	7.3	1,210	9
MW-11-40379	MW-11	7/20/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		110		--		--		--		9.55	7.5	1,209	11
MW-11-40476	MW-11	10/25/2010	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		12.11	7.5	1,231	13
MW-11-40660	MW-11	4/27/2011	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		110		--		--		--		6.27	7.2	1,111	9.5
MW-11-41101	MW-11	7/11/2012	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		110		--		--		--		11.38	7.3	1,070	11
MW-11-41374	MW-11	4/10/2013	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		110		--		--		--		9.77	7.3	1,124	9
MW-11-41745	MW-11	4/16/2014	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		120		--		--		--		10.44	7.3	1,160	9
MW-2-35655	MW-2	8/13/1997	--		--		<0.9	U	23		75		<0.1	U	--		<0.6	U	<0.7	U	260		<1	U	--		160		0		--		<1	U	0		--		<10	U	310		29		<5	U	--		**337**		700		922		673.09		14.13	7.2	1,187	10.5
MW-2-36034	MW-2	8/27/1998	--		--		<0.7	U	36		84		0.07		--		<0.2	U	<1	U	22		<0.7	U	--		74		<0.18	U	--		<0.7	U	<0.14	U	--		12		240		36		<3.5	U	--		**295**		640		824		672.81		14.41	7.2	1,146	11.5
MW-2-36447	MW-2	10/14/1999	--		--		<1	U	31		100		<0.14	U	150,000		<0.6	U	1.2		90		<0.6	U	61,000		92		<0.18	U	--		<0.9	U	<0.094	U	--		0		310		32		8		--		**295**		630		744		672.43		14.79	7.3	1,101	13
MW-2-36766	MW-2	8/28/2000	--		--		<0.9	U	33		90		<0.15	U	140,000		<0.4	U	<1.1	U	67		<0.59	U	57,000		70		<0.18	U	--		<1.2	U	<0.17	U	--		13		270		32		<3.9	U	--		**265**		580		866		673.85		13.37	7.1	1,036	13
MW-2-37075	MW-2	7/3/2001	--		--		<0.6	U	34		84		<0.17	U	140,000		<0.4	U	<0.8	U	49		<0.9	U	62,000		51		<0.18	U	--		<1.2	U	<0.17	U	--		3.2		300		33		<2.2	U	--		**279**		600		836		674		13.22	7.1	1,120	11.5
MW-2-37265	MW-2	1/9/2002	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		<3.4	U	--		--		--		--		0.3		--		--		--		672.87		14.35	6.9	1,054	13
MW-2-37453	MW-2	7/16/2002	--		--		1.7		31		110		<0.12	U	120,000		<0.21	U	<0.9	U	47		<0.7	U	58,000		38		<0.19	U	--		<1.1	U	<0.1	U	<2	U	<3.6	U	300		31		<2.4	U	0.43		219		540		703		673.26		13.96	7.1	982	12

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH	PAH	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Inorganic	Inorganic	Inorganic	Inorganic	Inorganic	GEO	GEO	Field Param	RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene	Chrysene	Arsenic, Dissolved	Barium, Dissolved	Boron, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Mercury, Total	Selenium, Dissolved	Silver, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Alkalinity, Dissolved	Chloride, Dissolved	COD	Nitrogen, NO2 + NO3, Total	Sulfate, Dissolved	Hardness, Dissolved	Solids, Total Dissolved	Elevation, Groundwater (Feet Above Mean Sea Level)	Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Feet	Feet	s.u.	µmhos/	Deg C
			Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02	0.02	1	400	200	0.5	NS	10	130	150	1.5	NS	60	0.2	0.2	10	10	6	2,500	NS	NS	NS	2	125	NS	NS	NS	NS	NS	NS	NS
		Wisconsin ES:	**0.2**	**0.2**	**10**	**2,000**	**1,000**	**5**	**NS**	**100**	**1,300**	**300**	**15**	**NS**	**300**	**2**	**2**	**50**	**50**	**30**	**5,000**	**NS**	**NS**	**NS**	**10**	**250**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-3-35655	MW-3	8/13/1997	--	--	5.3	22	80	<0.1 U	--	<0.6 U	<0.7 U	**4,700**	<1 U	--	190	0.07	--	<1 U	0.07	--	10	400	31	<5 U	--	**583**	1,100	**1,390**	673.29	15.18	7	1,666	12
MW-3-36034	MW-3	8/27/1998	--	--	6.1	23	110	0.05	--	<0.2 U	<1 U	**3,500**	<0.7 U	--	210	<0.18 U	--	0.9	<0.14 U	--	6.6	330	25	<3.5 U	--	**538**	1,000	**1,260**	672.83	15.64	7	1,630	12.5
MW-3-36447	MW-3	10/14/1999	--	--	5.6	26	130	<0.14 U	210,000	<0.6 U	<1.2 U	**2,400**	<0.6 U	90,000	190	<0.18 U	--	<0.9 U	<0.094 U	--	6.7	400	24	8	--	**468**	890	**1,180**	672.6	15.87	7	1,451	14.5
MW-3-36766	MW-3	8/28/2000	--	--	5.2	25	140	<0.15 U	200,000	<0.4 U	<1.1 U	**3,600**	<0.59 U	82,000	160	<0.18 U	--	<1.2 U	<0.17 U	--	4.4	350	25	<3.9 U	--	**510**	840	**1,320**	673.56	14.91	6.9	1,478	14
MW-3-37075	MW-3	7/3/2001	--	--	4.3	25	130	<0.17 U	220,000	<0.4 U	<0.8 U	**4,100**	<0.9 U	90,000	200	<0.18 U	--	<1.2 U	<0.17 U	--	<3.2 U	380	28	<2.2 U	--	**482**	920	**1,240**	674.19	14.28	7	1,540	13
MW-3-37265	MW-3	1/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<3.4 U	--	--	--	--	0.2	--	--	--	673.04	15.43	6.7	1,456	14
MW-3-37453	MW-3	7/16/2002	--	--	6.2	28	120	<0.12 U	210,000	0.21	<0.9 U	**3,200**	<0.7 U	91,000	**350**	<0.19 U	--	<1.1 U	<0.1 U	<2 U	<3.6 U	360	38	<2.4 U	0.36	**471**	900	**1,170**	673.4	15.07	6.9	1,460	13.5
MW-3-38112	MW-3	5/5/2004	--	--	2	--	130	--	210,000	--	--	**540**	<1.4 U	84,000	**310**	<0.17 U	--	--	--	--	--	350	--	<4 U	--	**478**	870	**1,100**	673.37	15.1	7.2	822	13
MW-3-38475	MW-3	5/3/2005	--	--	3.6	--	110	--	200,000	--	--	**570**	0.74	79,000	200	<0.17 U	--	--	--	--	--	330	--	<5 U	--	**454**	820	**1,000**	673.26	15.21	6.8	1,365	12.5
MW-3-38861	MW-3	5/24/2006	--	--	4	--	110	--	190,000	--	--	**650**	0.11	69,000	190	<0.011 U	--	--	--	--	--	360	--	5.9	--	**400**	760	**1,000**	673.74	14.73	6.8	1,223	13
MW-3-39091	MW-3	1/9/2007	--	--	4	--	120	--	180,000	--	--	**1,300**	0.094	73,000	200	<0.0055 U	--	--	--	--	--	360	--	<2.4 U	--	**410**	750	**1,000**	673.99	14.48	7	1,345	14
MW-3-39183	MW-3	4/11/2007	--	--	2.9	--	100	--	150,000	--	--	**1,700**	0.077	65,000	120	<0.012 U	--	--	--	--	--	350	--	<2.4 U	--	**410**	640	**1,000**	674.8199	13.65	6.9	1,305	12
MW-3-39286	MW-3	7/23/2007	--	--	3.6	--	120	--	160,000	--	--	**1,300**	<0.039 U	64,000	150	<0.0012 U	--	--	--	--	--	340	--	4.7	--	**410**	660	**1,000**	673.43	15.04	7.1	1,299	13.5
MW-3-39373	MW-3	10/18/2007	--	--	6.3	--	180	--	232,000	--	--	**1,400**	0.05	90,000	190	--	<0.001 U	--	--	--	--	340	--	2.9	--	**400**	950	**1,000**	674.08	14.39	7	1,285	15
MW-3-39470	MW-3	1/23/2008	--	--	3.3	--	140	--	190,000	--	--	**2,200**	<0.015 U	74,000	190	<0.001 U	--	--	--	--	--	320	--	3.5	--	**420**	780	**1,000**	674.08	14.39	6.9	1,327	13
MW-3-39561	MW-3	4/23/2008	--	--	4.6	--	170	--	250,000	--	--	**1,100**	0.032	75,000	190	<0.001 U	--	--	--	--	--	320	--	<3.3 U	--	**450**	930	**1,200**	675.95	12.52	7	1,445	12.5
MW-3-39644	MW-3	7/15/2008	--	--	3.5	--	150	--	200,000	--	--	**1,600**	0.025	82,000	170	<0.0012 U	--	--	--	--	--	290	--	9.8	--	**440**	840	**1,100**	674.47	14	7	1,441	13
MW-3-39730	MW-3	10/9/2008	--	--	3.6	--	180	--	180,000	--	--	**950**	0.064	75,000	180	0.00085	--	--	--	--	--	310	--	<3.3 U	--	**480**	760	**1,100**	673.56	14.91	6.8	1,420	13.5
MW-3-39834	MW-3	1/21/2009	--	--	3	--	130	--	180,000	--	--	**1,900**	0.035	73,000	180	<0.0005 U	--	--	--	--	--	310	--	<2.5 U	--	**480**	750	**1,000**	674.15	14.32	7.5	1,540	13.5
MW-3-39911	MW-3	4/8/2009	--	--	3.7	--	140	--	200,000	--	--	**2,100**	0.098	76,000	140	<0.0005 U	--	--	--	--	--	300	--	<2.5 U	--	**480**	810	**1,100**	675.2599	13.21	7.1	1,480	12.5
MW-3-40008	MW-3	7/14/2009	--	--	3.9	--	140	--	230,000	--	--	**1,100**	<0.048 U	75,000	190	--	<0.0005 U	--	--	--	--	290	--	4.5	--	**540**	880	**1,200**	674.89	13.58	7.3	1,540	12.5
MW-3-40105	MW-3	10/19/2009	--	--	6	--	180	--	190,000	--	--	**520**	0.047	74,000	**500**	--	<0.00057 U	--	--	--	--	320	--	4.9	--	**440**	780	**1,100**	673.1	15.37	7.1	1,394	13.5
MW-3-40191	MW-3	1/13/2010	--	--	4.3	--	160	--	200,000	--	--	**1,400**	0.079	78,000	**330**	--	<0.00057 U	--	--	--	--	300	--	<2.4 U	--	**500**	820	**1,100**	673.8799	14.59	7.2	1,465	13
MW-3-40280	MW-3	4/12/2010	--	--	4.4	--	160	--	200,000	--	--	**1,900**	0.039	81,000	240	--	0.00077	--	--	--	--	290	--	<2.4 U	--	**500**	830	**1,100**	675.49	12.98	7.1	1,510	12
MW-3-40378	MW-3	7/19/2010	--	--	4.4	--	180	--	200,000	--	--	**850**	0.19	74,000	180	--	<0.0005 U	--	--	--	--	300	--	<2.4 U	--	**510**	800	**1,100**	675.62	12.85	7.4	1,500	12.5
MW-3-40476	MW-3	10/25/2010	--	--	3.6	--	170	--	170,000	--	--	**430**	<0.049 U	65,000	**340**	--	<0.00058 U	--	--	--	--	300	--	4.8	--	**400**	690	940	674.36	14.11	7.4	1,335	14.5
MW-3-40660	MW-3	4/27/2011	--	--	4	--	180	--	190,000	--	--	**510**	<0.049 U	72,000	120	--	<0.0014 U	--	--	--	--	300	--	2.5	--	**460**	770	**1,000**	677.1	11.37	7.1	1,329	11
MW-3-41100	MW-3	7/10/2012	--	--	4.1	--	230	--	210,000	--	--	**710**	<0.028 U	78,000	180	--	<0.00076 U	--	--	--	--	310	--	3.2	--	**480**	850	**1,100**	674.16	14.31	7.1	1,327	13.5
MW-3-41374	MW-3	4/10/2013	--	--	2.8	--	190	--	190,000	--	--	220	0.039	74,000	110	--	<0.00044 U	--	--	--	--	310	--	6	--	**440**	780	**1,000**	675.07	13.4	7.1	1,396	12
MW-3-41745	MW-3	4/16/2014	--	--	1.9	--	210	--	190,000	--	--	130	0.17	80,000	100	--	<0.001 U	--	--	--	--	270	--	<2.8 U	--	**420**	800	**1,000**	674.92	13.55	7.2	1,452	12
MW-4-35655	MW-4	8/13/1997	--	--	<0.9 U	16	60	<0.1 U	--	<0.6 U	<0.7 U	**1,500**	<1 U	--	**320**	0	--	<1 U	0	--	20	310	21	<5 U	--	**569**	940	**1,240**	673.35	14.69	7.1	1,500	9.5
MW-4-36034	MW-4	8/27/1998	--	--	1	17	86	0.08	--	<0.2 U	<1 U	**1,200**	1.8	--	**390**	<0.18 U	--	0.9	<0.14 U	--	17	250	21	<3.5 U	--	**569**	920	**1,220**	671.75	16.29	7.2	1,530	10.5
MW-4-36447	MW-4	10/14/1999	--	--	<1 U	36	100	<0.14 U	200,000	<0.6 U	<1.2 U	**1,500**	1.4	100,000	270	<0.18 U	--	1.8	<0.094 U	--	8.3	330	22	10	--	**592**	910	**1,130**	671.49	16.55	7.1	1,530	12
MW-4-36766	MW-4	8/28/2000	--	--	<0.9 U	38	100	<0.15 U	200,000	<0.4 U	1.1	**1,600**	1.9	95,000	220	<0.18 U	--	<1.2 U	<0.17 U	--	14	310	22	<3.9 U	--	**608**	890	**1,300**	672.44	15.6	7.1	1,500	11.5
MW-4-37075	MW-4	7/3/2001	--	--	<0.6 U	40	110	<0.17 U	240,000	<0.4 U	<0.8 U	**730**	3.7	110,000	260	<0.18 U	--	<1.2 U	<0.17 U	--	9.3	330	23	2.8	--	**712**	1,100	**1,490**	673.02	15.02	7	1,800	10
MW-4-37265	MW-4	1/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<3.4 U	--	--	--	--	0.25	--	--	--	671.92	16.12	6.8	1,690	11.5
MW-4-37453	MW-4	7/16/2002	--	--	<0.8 U	29	100	<0.12 U	210,000	0.33	<0.9 U	**720**	2.9	110,000	250	<0.19 U	--	<1.1 U	<0.1 U	<2 U	11	320	25	6.7	0.51	**642**	980	**1,320**	672.25	15.79	6.9	1,580	11

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH	PAH	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Inorganic	Inorganic	Inorganic	Inorganic	Inorganic	GEO	GEO	Field Param	RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene	Chrysene	Arsenic, Dissolved	Barium, Dissolved	Boron, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Mercury, Dissolved	Mercury, Total	Selenium, Dissolved	Silver, Dissolved	Vanadium, Dissolved	Zinc, Dissolved	Alkalinity, Dissolved	Chloride, Dissolved	COD	Nitrogen, NO2 + NO3, Total	Sulfate, Dissolved	Hardness, Dissolved	Solids, Total Dissolved	Elevation, Groundwater (Feet Above Mean Sea Level)	Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
Reporting Units:			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	Feet	Feet	s.u.	µmhos/	Deg C
			Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result Flag	Result	Result	Result	Result
Wisconsin PAL:			0.02	0.02	1	400	200	0.5	NS	10	130	150	1.5	NS	60	0.2	0.2	10	10	6	2,500	NS	NS	NS	2	125	NS	NS	NS	NS	NS	NS	NS
Wisconsin ES:			**0.2**	**0.2**	**10**	**2,000**	**1,000**	**5**	**NS**	**100**	**1,300**	**300**	**15**	**NS**	**300**	**2**	**2**	**50**	**50**	**30**	**5,000**	**NS**	**NS**	**NS**	**10**	**250**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-5-35655	MW-5	8/13/1997	--	--	<0.9 U	42	82	<0.1 U	--	<0.6 U	<0.7 U	**2,000**	<1 U	--	190	0.09	--	<1 U	0	--	<10 U	380	42	6	--	**356**	870	**1,010**	673.29	13.34	6.9	1,392	10.5
MW-5-36034	MW-5	8/27/1998	--	--	1	40	110	<0.05 U	--	<0.2 U	<1 U	**2,400**	0.9	--	180	<0.18 U	--	1.5	<0.14 U	--	9.6	400	33	4	--	**360**	660	994	672.8	13.83	7.1	1,373	12
MW-5-36447	MW-5	10/14/1999	--	--	<1 U	53	110	<0.14 U	180,000	<0.6 U	<1.2 U	**2,200**	<0.6 U	84,000	190	<0.18 U	--	1.2	<0.094 U	--	6.5	390	29	10	--	**375**	800	922	672.6	14.03	7	1,275	13.5
MW-5-36766	MW-5	8/28/2000	--	--	1.4	38	100	<0.15 U	170,000	<0.4 U	<1.1 U	**2,100**	<0.59 U	78,000	210	<0.18 U	--	<1.2 U	<0.17 U	--	8.9	360	35	<3.9 U	--	**367**	750	**1,020**	673.51	13.12	7.1	1,309	13
MW-5-37075	MW-5	7/3/2001	--	--	<0.6 U	38	100	<0.17 U	190,000	<0.4 U	<0.8 U	**1,400**	<0.9 U	81,000	260	<0.18 U	--	<1.2 U	<0.17 U	--	<3.2 U	380	35	<2.2 U	--	**353**	810	**1,090**	674.16	12.47	7	1,395	11
MW-5-37265	MW-5	1/9/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<3.4 U	--	--	--	--	0.41	--	--	--	673	13.63	6.6	1,369	13
MW-5-37453	MW-5	7/16/2002	--	--	<0.8 U	40	100	<0.12 U	170,000	<0.21 U	<0.9 U	**1,300**	<0.7 U	85,000	290	<0.19 U	--	<1.1 U	<0.1 U	<2 U	<3.6 U	390	36	3.8	0.34	**340**	770	970	673.39	13.24	6.9	1,313	12
MW-5-38111	MW-5	5/4/2004	--	--	<0.5 U	--	110	--	180,000	--	--	**1,500**	<1.4 U	79,000	**300**	<0.17 U	--	--	--	--	--	400	--	6	--	**339**	770	970	673.64	12.99	7.1	1,007	11
MW-5-38475	MW-5	5/3/2005	--	--	<1.3 U	--	100	--	160,000	--	--	**1,600**	0.66	74,000	210	<0.17 U	--	--	--	--	--	390	--	<5 U	--	**315**	700	920	673.26	13.37	6.8	1,269	10.5
MW-5-38861	MW-5	5/24/2006	--	--	1.2	--	74	--	180,000	--	--	**2,100**	0.087	68,000	290	<0.011 U	--	--	--	--	--	410	--	4	--	**314**	730	**1,000**	673.82	12.81	6.8	1,279	11
MW-5-39091	MW-5	1/9/2007	--	--	1.4	--	84	--	150,000	--	--	**1,800**	0.076	65,000	230	<0.0055 U	--	--	--	--	--	430	--	2.7	--	**270**	640	920	674.02	12.61	7.1	1,350	12.5
MW-5-39091-Dup	MW-5	1/9/2007	--	--	1.3	--	85	--	150,000	--	--	**1,700**	0.067	62,000	230	<0.0055 U	--	--	--	--	--	380	--	4.9	--	**270**	630	940	--	--	7.1	1,347	12.5
MW-5-39183	MW-5	4/11/2007	--	--	0.94	--	85	--	140,000	--	--	**1,700**	0.048	67,000	200	<0.012 U	--	--	--	--	--	390	--	<2.4 U	--	**300**	630	920	674.9	11.73	6.9	1,274	10
MW-5-39286	MW-5	7/23/2007	--	--	1.3	--	100	--	160,000	--	--	**2,100**	<0.039 U	70,000	210	<0.0012 U	--	--	--	--	--	350	--	3.7	--	**260**	690	970	673.4	13.23	7.1	1,358	11.5
MW-5-39373	MW-5	10/18/2007	--	--	1.5	--	130	--	174,000	--	--	**2,200**	<0.039 U	77,000	240	--	<0.001 U	--	--	--	--	340	--	5.9	--	240	750	920	674.2	12.43	6.9	1,333	13
MW-5-39469	MW-5	1/22/2008	--	--	1.1	--	97	--	160,000	--	--	**1,500**	0.29	68,000	240	<0.001 U	--	--	--	--	--	380	--	<3.3 U	--	**280**	680	910	674.12	12.51	6.8	1,251	12
MW-5-39561	MW-5	4/23/2008	--	--	0.81	--	92	--	200,000	--	--	**1,300**	0.073	76,000	260	<0.001 U	--	--	--	--	--	340	--	3.3	--	**330**	810	**1,000**	675.89	10.74	6.9	1,428	11
MW-5-39644	MW-5	7/15/2008	--	--	1.2	--	96	--	170,000	--	--	**1,900**	0.027	78,000	200	<0.0012 U	--	--	--	--	--	360	--	6.8	--	**310**	750	990	674.51	12.12	7	1,436	11
MW-5-39730	MW-5	10/9/2008	--	--	1	--	130	--	160,000	--	--	**2,300**	0.26	75,000	190	0.00068	--	--	--	--	--	410	--	<3.3 U	--	**290**	710	900	673.39	13.24	6.6	1,371	12
MW-5-39834	MW-5	1/21/2009	--	--	0.65	--	87	--	150,000	--	--	**1,600**	0.12	65,000	190	<0.0005 U	--	--	--	--	--	370	--	3.3	--	**280**	640	960	674.13	12.5	7.6	1,560	11
MW-5-39911	MW-5	4/8/2009	--	--	0.81	--	97	--	170,000	--	--	**1,500**	0.083	70,000	170	<0.0005 U	--	--	--	--	--	390	--	<2.5 U	--	**300**	710	960	675.28	11.35	7.1	1,469	10
MW-5-39911-Dup	MW-5	4/8/2009	--	--	0.9	--	110	--	160,000	--	--	**1,400**	0.048	71,000	180	<0.0005 U	--	--	--	--	--	390	--	3.1	--	**310**	690	990	--	--	7.1	1,466	10
MW-5-40007	MW-5	7/13/2009	--	--	1.1	--	87	--	170,000	--	--	**1,500**	<0.048 U	68,000	230	--	<0.0005 U	--	--	--	--	400	--	4.2	--	**310**	700	980	675.04	11.59	7.2	1,448	10
MW-5-40105	MW-5	10/19/2009	--	--	2.6	--	130	--	170,000	--	--	**2,400**	0.038	73,000	**330**	--	<0.00057 U	--	--	--	--	390	--	9.3	--	**310**	730	920	673.08	13.55	7	1,369	12
MW-5-40191	MW-5	1/13/2010	--	--	1.4	--	110	--	170,000	--	--	**1,400**	0.16	73,000	**320**	--	<0.00057 U	--	--	--	--	370	--	3.2	--	**310**	730	970	673.85	12.78	7.2	1,469	11
MW-5-40280	MW-5	4/12/2010	--	--	1.4	--	100	--	170,000	--	--	**1,400**	0.024	73,000	280	--	<0.00057 U	--	--	--	--	370	--	<2.4 U	--	**330**	730	990	675.47	11.16	7.1	1,484	9.5
MW-5-40378	MW-5	7/19/2010	--	--	1.1	--	93	--	160,000	--	--	**1,500**	0.32	72,000	230	--	<0.0005 U	--	--	--	--	400	--	3.6	--	**310**	700	980	675.44	11.19	7.4	1,476	11
MW-5-40476	MW-5	10/25/2010	--	--	0.83	--	93	--	160,000	--	--	**1,100**	0.24	67,000	240	--	<0.00058 U	--	--	--	--	400	--	<1.3 U	--	**270**	680	900	674.25	12.38	7.3	1,453	12.5
MW-5-40660	MW-5	4/27/2011	--	--	1	--	66	--	180,000	--	--	**880**	0.071	78,000	180	--	<0.0014 U	--	--	--	--	410	--	2.5	--	**410**	770	**1,100**	676.95	9.68	7	1,409	9.5
MW-5-41100	MW-5	7/10/2012	--	--	0.76	--	84	--	170,000	--	--	**1,600**	<0.028 U	70,000	**300**	--	<0.00076 U	--	--	--	--	400	--	<3.1 U	--	**310**	710	**1,000**	674.05	12.58	7.1	1,345	11
MW-5-41100-Dup	MW-5	7/10/2012	--	--	0.93	--	83	--	170,000	--	--	**1,600**	<0.028 U	69,000	**300**	--	<0.00076 U	--	--	--	--	400	--	<3.1 U	--	**320**	710	**1,000**	--	--	7.1	1,349	11
MW-5-41374	MW-5	4/10/2013	--	--	0.88	--	110	--	170,000	--	--	**1,600**	<0.034 U	71,000	**440**	--	<0.00044 U	--	--	--	--	400	--	3.4	--	**320**	720	**1,000**	675.21	11.42	7.1	1,453	9
MW-5-41374-Dup	MW-5	4/10/2013	--	--	1.1	--	110	--	170,000	--	--	**1,600**	<0.034 U	70,000	**440**	--	<0.00044 U	--	--	--	--	380	--	7.6	--	**320**	710	**1,000**	--	--	7.1	1,456	9
MW-5-41745	MW-5	4/16/2014	--	--	1.8	--	120	--	180,000	--	--	**2,500**	0.029	84,000	**300**	--	<0.001 U	--	--	--	--	400	--	7.6	--	**350**	800	**1,100**	674.99	11.64	7.2	1,550	9.5
MW-5-41745-Dup	MW-5	4/16/2014	--	--	1.7	--	120	--	190,000	--	--	**2,500**	0.046	84,000	**300**	--	<0.001 U	--	--	--	--	390	--	6.9	--	**350**	820	**1,100**	--	--	7.2	1,550	9.5
MW-5-42103	MW-5	4/9/2015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**340**	--	--	675	11.63	7.1	1,469	9
MW-5-42472	MW-5	4/12/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**408**	--	--	676.56	10.07	8.2	1,369	9.5
MW-5-42472-Dup	MW-5	4/12/2016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**398**	--	--	--	--	8.2	1,372	9.5
MW-5-42837	MW-5	4/12/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**380**	--	--	677.37	9.26	6.9	1,520	9
MW-5-42837-Dup	MW-5	4/12/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**540**	--	--	--	--	8.2	1,372	95
MW-5-43207	MW-5	4/17/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**310**	--	--	675.73	10.9	7.44	1,583.9	9.93
MW-5-43572	MW-5	4/17/2019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**470**	--	--	676.67	9.96	7	2,221	10

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150	
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**	
MW-6-35655	MW-6	8/13/1997	--		--		4.8		150		290		<0.1	U	--		<0.6	U	<0.7	U	**17,000**	
MW-6-36034	MW-6	8/27/1998	--		--		8.5		120		340		0.15		--		<0.2	U	<1	U	**14,000**	
MW-6-36447	MW-6	10/14/1999	--		--		8.2		140		380		<0.14	U	190,000		<0.6	U	1.6		**12,000**	
MW-6-36766	MW-6	8/28/2000	--		--		7		110		330		<0.15	U	200,000		<0.4	U	<1.1	U	**14,000**	
MW-6-37074	MW-6	7/2/2001	--		--		8.1		110		340		<0.17	U	210,000		<0.4	U	<0.8	U	**14,000**	
MW-6-37264	MW-6	1/8/2002	--		--		--		--		--		--		--		--		--		--	
MW-6-37453	MW-6	7/16/2002	--		--		8.5		140		310		<0.12	U	230,000		0.28		<0.9	U	**16,000**	
MW-6-38111	MW-6	5/4/2004	--		--		7.5		--		300		--		230,000		--		--		**14,000**	
MW-6-38475	MW-6	5/3/2005	--		--		7.5		--		270		--		220,000		--		--		**15,000**	
MW-6-38861	MW-6	5/24/2006	--		--		**11**		--		260		--		220,000		--		--		**15,000**	
MW-6-39091	MW-6	1/9/2007	--		--		**10**		--		280		--		190,000		--		--		**13,000**	
MW-6-39183	MW-6	4/11/2007	--		--		5.9		--		240		--		200,000		--		--		**14,000**	
MW-6-39286	MW-6	7/23/2007	--		--		8.7		--		310		--		190,000		--		--		**12,000**	
MW-6-39372	MW-6	10/17/2007	--		--		**17**		--		530		--		310,000		--		--		**16,000**	
MW-6-39469	MW-6	1/22/2008	--		--		9.6		--		310		--		220,000		--		--		**10,000**	
MW-6-39561	MW-6	4/23/2008	--		--		6		--		360		--		320,000		--		--		**12,000**	
MW-6-39643	MW-6	7/14/2008	--		--		**10**		--		320		--		250,000		--		--		**14,000**	
MW-6-39729	MW-6	10/8/2008	--		--		**11**		--		350		--		190,000		--		--		**11,000**	
MW-6-39834	MW-6	1/21/2009	--		--		9.4		--		300		--		210,000		--		--		**9,100**	
MW-6-39911	MW-6	4/8/2009	--		--		6.6		--		290		--		280,000		--		--		**9,600**	
MW-6-40007	MW-6	7/13/2009	--		--		**11**		--		270		--		280,000		--		--		**14,000**	
MW-6-40105	MW-6	10/19/2009	--		--		**13**		--		320		--		220,000		--		--		**11,000**	
MW-6-40191	MW-6	1/13/2010	--		--		8.9		--		290		--		220,000		--		--		**12,000**	
MW-6-40280	MW-6	4/12/2010	--		--		8.7		--		240		--		270,000		--		--		**12,000**	
MW-6-40378	MW-6	7/19/2010	--		--		9.8		--		260		--		240,000		--		--		**11,000**	
MW-6-40378-Dup	MW-6	7/19/2010	--		--		**11**		--		260		--		230,000		--		--		**8,500**	
MW-6-40476	MW-6	10/25/2010	--		--		9.1		--		320		--		210,000		--		--		**11,000**	
MW-6-40661	MW-6	4/28/2011	--		--		5.1		--		240		--		250,000		--		--		**7,900**	
MW-6-40661-Dup	MW-6	4/28/2011	--		--		7		--		230		--		260,000		--		--		**12,000**	
MW-6-41100	MW-6	7/10/2012	--		--		**10**		--		280		--		230,000		--		--		**13,000**	
MW-6-41374	MW-6	4/10/2013	--		--		8.1		--		280		--		340,000		--		--		**13,000**	
MW-6-41744	MW-6	4/15/2014	--		--		**11**		--		260		--		350,000		--		--		**12,000**	

			Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	1.5		NS		60		0.2		0.2		10		10		6		2,500	
		Wisconsin ES:	**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**	
MW-6-35655	MW-6	8/13/1997	<1	U	--		**600**		0		--		<1	U	0.06		--		10	
MW-6-36034	MW-6	8/27/1998	1		--		**580**		<0.18	U	--		1.6		<0.14	U	--		14	
MW-6-36447	MW-6	10/14/1999	<0.6	U	90,000		**450**		<0.18	U	--		0.98		<0.094	U	--		0	
MW-6-36766	MW-6	8/28/2000	<0.59	U	85,000		**500**		<0.18	U	--		<1.2	U	<0.17	U	--		22	
MW-6-37074	MW-6	7/2/2001	<0.9	U	95,000		**530**		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U
MW-6-37264	MW-6	1/8/2002	--		--		--		--		--		--		--		<3.4	U	--	
MW-6-37453	MW-6	7/16/2002	<0.7	U	110,000		**560**		<0.19	U	--		<1.1	U	<0.1	U	<2	U	16	
MW-6-38111	MW-6	5/4/2004	<1.4	U	98,000		**520**		<0.17	U	--		--		--		--		--	
MW-6-38475	MW-6	5/3/2005	1.3		96,000		**450**		<0.17	U	--		--		--		--		--	
MW-6-38861	MW-6	5/24/2006	0.21		86,000		**490**		<0.011	U	--		--		--		--		--	
MW-6-39091	MW-6	1/9/2007	0.072		90,000		**440**		<0.0055	U	--		--		--		--		--	
MW-6-39183	MW-6	4/11/2007	0.085		96,000		**460**		<0.012	U	--		--		--		--		--	
MW-6-39286	MW-6	7/23/2007	<0.039	U	90,000		**440**		<0.0012	U	--		--		--		--		--	
MW-6-39372	MW-6	10/17/2007	0.055		140,000		**650**		--		<0.001	U	--		--		--		--	
MW-6-39469	MW-6	1/22/2008	<0.015	U	98,000		**480**		<0.001	U	--		--		--		--		--	
MW-6-39561	MW-6	4/23/2008	0.037		110,000		**680**		<0.001	U	--		--		--		--		--	
MW-6-39643	MW-6	7/14/2008	0.092		110,000		**490**		<0.0012	U	--		--		--		--		--	
MW-6-39729	MW-6	10/8/2008	0.2		93,000		**400**		0.0013		--		--		--		--		--	
MW-6-39834	MW-6	1/21/2009	0.057		100,000		**420**		<0.0005	U	--		--		--		--		--	
MW-6-39911	MW-6	4/8/2009	0.074		120,000		**600**		0.00081		--		--		--		--		--	
MW-6-40007	MW-6	7/13/2009	<0.048	U	110,000		**540**		--		<0.0005	U	--		--		--		--	
MW-6-40105	MW-6	10/19/2009	0.052		110,000		**520**		--		<0.00057	U	--		--		--		--	
MW-6-40191	MW-6	1/13/2010	0.45		100,000		**570**		--		<0.00057	U	--		--		--		--	
MW-6-40280	MW-6	4/12/2010	0.3		120,000		**720**		--		<0.00057	U	--		--		--		--	
MW-6-40378	MW-6	7/19/2010	0.075		110,000		**460**		--		<0.0005	U	--		--		--		--	
MW-6-40378-Dup	MW-6	7/19/2010	0.037		110,000		**540**		--		<0.0005	U	--		--		--		--	
MW-6-40476	MW-6	10/25/2010	0.087		100,000		**340**		--		<0.00058	U	--		--		--		--	
MW-6-40661	MW-6	4/28/2011	0.074		120,000		**480**		--		<0.0014	U	--		--		--		--	
MW-6-40661-Dup	MW-6	4/28/2011	0.087		120,000		**510**		--		<0.0014	U	--		--		--		--	
MW-6-41100	MW-6	7/10/2012	<0.028	U	110,000		**360**		--		<0.00076	U	--		--		--		--	
MW-6-41374	MW-6	4/10/2013	0.05		140,000		**720**		--		<0.00044	U	--		--		--		--	
MW-6-41744	MW-6	4/15/2014	0.098		160,000		**600**		--		<0.001	U	--		--		--		--	

			Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
MW-6-35655	MW-6	8/13/1997	660		15		58		--		142		920		936		678.72		9.36	6.9	1,450	11
MW-6-36034	MW-6	8/27/1998	600		15		30		--		138		910		898		678.49		9.59	6.9	1,520	12.5
MW-6-36447	MW-6	10/14/1999	700		15		59		--		126		840		854		678.76		9.32	6.9	1,430	14
MW-6-36766	MW-6	8/28/2000	600		14		35		--		131		850		978		678.56		9.52	6.8	1,433	14
MW-6-37074	MW-6	7/2/2001	700		14		26		--		120		920		938		678.26		9.82	6.7	1,550	10
MW-6-37264	MW-6	1/8/2002	--		--		--		0.15		--		--		--		679.19		8.89	6.5	1,550	11.5
MW-6-37453	MW-6	7/16/2002	740		13		67		0.6		198		1,000		**1,110**		678.63		9.45	6.5	1,670	12
MW-6-38111	MW-6	5/4/2004	770		--		14		--		188		980		**1,100**		679.37		8.71	6.8	1,132	9
MW-6-38475	MW-6	5/3/2005	610		--		27		--		175		940		**1,100**		679.03		9.05	6.4	1,560	8.5
MW-6-38861	MW-6	5/24/2006	740		--		32		--		245		900		**1,100**		679.43		8.65	6.6	1,392	9
MW-6-39091	MW-6	1/9/2007	650		--		22		--		**290**		840		**1,100**		679.46		8.62	6.8	1,640	10.5
MW-6-39183	MW-6	4/11/2007	740		--		47		--		**280**		890		**1,200**		679.95		8.13	6.6	1,580	8
MW-6-39286	MW-6	7/23/2007	810		--		21		--		240		840		**1,100**		678.24		9.84	6.6	1,630	10.5
MW-6-39372	MW-6	10/17/2007	**1300**		--		22		--		210		1,400		**1,100**		679.24		8.84	6.8	1,570	13.5
MW-6-39469	MW-6	1/22/2008	770		--		31		--		120		950		**1,100**		679.36		8.72	6.6	1,540	9
MW-6-39561	MW-6	4/23/2008	780		--		53		--		**330**		1,300		**1,400**		679.55		8.53	6.5	1,910	10
MW-6-39643	MW-6	7/14/2008	700		--		22.3		--		**260**		1,100		**1,200**		679.5		8.58	6.7	1,790	10
MW-6-39729	MW-6	10/8/2008	780		--		22		--		220		860		**1,100**		679.37		8.71	6.7	1,650	12.5
MW-6-39834	MW-6	1/21/2009	730		--		21		--		210		940		**1,100**		679.16		8.92	7.3	1,780	9
MW-6-39911	MW-6	4/8/2009	920		--		32		--		**370**		1,200		**1,300**		679.85		8.23	6.8	1,940	7
MW-6-40007	MW-6	7/13/2009	770		--		21		--		**310**		1,200		**1,300**		678.44		9.64	7	1,930	9
MW-6-40105	MW-6	10/19/2009	830		--		26		--		240		1,000		**1,100**		679.28		8.8	6.8	1,670	11.5
MW-6-40191	MW-6	1/13/2010	820		--		31		--		230		960		**1,200**		679.16		8.92	6.9	1,690	9
MW-6-40280	MW-6	4/12/2010	850		--		22		--		**330**		1,200		**1,300**		679.88		8.2	6.9	1,910	7
MW-6-40378	MW-6	7/19/2010	890		--		16		--		**270**		1,100		**1,200**		678.75		9.33	7.2	1,810	10
MW-6-40378-Dup	MW-6	7/19/2010	890		--		19		--		**270**		1,000		**1,200**		--		--	7.2	1,810	10
MW-6-40476	MW-6	10/25/2010	760		--		29		--		**260**		940		**1,100**		677.95		10.13	7.2	1,700	13
MW-6-40661	MW-6	4/28/2011	850		--		44		--		**290**		1,100		**1,300**		682.44		5.64	6.8	2,020	7.5
MW-6-40661-Dup	MW-6	4/28/2011	800		--		46		--		**290**		1,100		**1,300**		--		--	6.8	1,770	7.5
MW-6-41100	MW-6	7/10/2012	740		--		45		--		**300**		1,000		**1,100**		676.06		12.02	6.9	1,510	10.5
MW-6-41374	MW-6	4/10/2013	750		--		26		--		**720**		1,400		**1,800**		682.08		6	6.8	2,260	6.5
MW-6-41744	MW-6	4/15/2014	600		--		31		--		**880**		1,500		**2,000**		681.8		6.28	7	2,400	6.5

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
MW-7-35655	MW-7	8/13/1997	--		--		2		78		320		<0.1	U	--		<0.6	U	<0.7	U	19		<1	U	--		4		0		--		1		0		--		<10	U	320		1		<5	U	--		124		420		486		681.41		6.4	7.5	764	10
MW-7-36034	MW-7	8/27/1998	--		--		1.6		79		350		<0.05	U	--		<0.2	U	1.3		<2.4	U	<0.7	U	--		11		<0.18	U	--		<0.7	U	<0.14	U	--		10		320		1.2		<3.5	U	--		116		380		492		681.55		6.26	7.5	778	11.5
MW-7-36447	MW-7	10/14/1999	--		--		1.6		93		360		<0.14	U	54,000		<0.6	U	1.3		<2.6	U	<0.6	U	55,000		29		<0.18	U	--		1.4		<0.094	U	--		0		330		1.3		8		--		111		360		404		679.77		8.04	7.5	750	13
MW-7-36766	MW-7	8/28/2000	--		--		1.5		83		340		<0.15	U	53,000		<0.4	U	1.4		8.7		<0.59	U	52,000		24		<0.18	U	--		<1.2	U	<0.17	U	--		3.6		320		1.5		<3.9	U	--		115		350		478		681.87		5.94	7.5	731	13
MW-7-37074	MW-7	7/2/2001	--		--		0.7		95		360		<0.17	U	53,000		<0.4	U	<0.8	U	<1.5	U	<0.9	U	54,000		1.1		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U	310		0.8		<2.2	U	--		110		350		472		681.07		6.74	7.6	763	10
MW-7-37264	MW-7	1/8/2002	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		<3.4	U	--		--		--		--		0.21		--		--		--		679.9		7.91	7.4	762	11.5
MW-7-37453	MW-7	7/16/2002	--		--		1.5		88		340		<0.12	U	54,000		<0.21	U	<0.9	U	11		<0.7	U	56,000		4.7		<0.19	U	--		<1.1	U	<0.1	U	<2	U	<3.6	U	320		1.5		<2.4	U	0.49		125		370		498		680.61		7.2	7.1	753	12
MW-7-38111	MW-7	5/4/2004	--		--		<0.5	U	--		370		--		53,000		--		--		13		<1.4	U	54,000		6.1		<0.17	U	--		--		--		--		--		320		--		<4	U	--		109		350		420		679.86		7.95	7.6	778	9
MW-7-38475	MW-7	5/3/2005	--		--		<1.3	U	--		330		--		52,000		--		--		22		<0.59	U	52,000		8.6		<0.17	U	--		--		--		--		--		320		--		<5	U	--		112		340		410		679.58		8.23	7.2	731	9.5
MW-7-38861	MW-7	5/24/2006	--		--		1.7		--		320		--		54,000		--		--		<26	U	0.19		49,000		12		<0.011	U	--		--		--		--		--		320		--		5.6		--		104		340		450		680.1		7.71	7.3	697	10
MW-7-39091	MW-7	1/9/2007	--		--		1.5		--		380		--		52,000		--		--		<50	U	0.045		53,000		2.9		<0.0055	U	--		--		--		--		--		310		--		<2.4	U	--		110		350		460		680.2		7.61	7.6	746	11.5
MW-7-39183	MW-7	4/11/2007	--		--		1		--		350		--		49,000		--		--		<50	U	0.04		53,000		18		<0.012	U	--		--		--		--		--		310		--		<2.4	U	--		120		340		460		679.19		8.62	7.3	729	8
MW-7-39286	MW-7	7/23/2007	--		--		1.4		--		400		--		54,000		--		--		<1.5	U	<0.039	U	57,000		2.4		<0.0012	U	--		--		--		--		--		310		--		2.8		--		140		370		460		680.63		7.18	7.3	763	11
MW-7-39372	MW-7	10/17/2007	--		--		1.8		--		500		--		68,000		--		--		<50	U	<0.039	U	69,000		12		--		<0.001	U	--		--		--		--		320		--		<2.4	U	--		130		450		460		681.38		6.43	7.3	766	13
MW-7-39469	MW-7	1/22/2008	--		--		<0.34	U	--		440		--		60,000		--		--		<16	U	<0.015	U	59,000		0.26		<0.001	U	--		--		--		--		--		320		--		<3.3	U	--		130		390		490		679.41		8.4	7.4	742	11
MW-7-39561	MW-7	4/23/2008	--		--		1.2		--		510		--		81,000		--		--		<16	U	0.032		56,000		<0.021	U	<0.001	U	--		--		--		--		--		310		--		<3.3	U	--		140		430		470		679.33		8.48	7.4	795	10.5
MW-7-39643	MW-7	7/14/2008	--		--		1.3		--		420		--		62,000		--		--		49		0.057		59,000		1.9		<0.0012	U	--		--		--		--		--		310		--		4.5		--		140		400		480		680.37		7.44	7.5	799	10
MW-7-39643-Dup	MW-7	7/14/2008	--		--		1.4		--		410		--		62,000		--		--		<16	U	0.019		58,000		0.71		<0.0012	U	--		--		--		--		--		300		--		4.5		--		130		390		470		--		--	7.5	799	10
MW-7-39729	MW-7	10/8/2008	--		--		1.6		--		430		--		53,000		--		--		<16	U	0.11		54,000		1.1		0.00079		--		--		--		--		--		310		--		<3.3	U	--		140		350		480		680.33		7.48	7.3	798	11.5
MW-7-39834	MW-7	1/21/2009	--		--		0.89		--		360		--		54,000		--		--		2.1		<0.015	U	56,000		<0.021	U	<0.0005	U	--		--		--		--		--		320		--		<2.5	U	--		140		370		430		679.68		8.13	8	877	10
MW-7-39911	MW-7	4/8/2009	--		--		1.4		--		400		--		57,000		--		--		2.2		<0.048	U	56,000		<0.049	U	<0.0005	U	--		--		--		--		--		310		--		<2.5	U	--		140		370		490		679.14		8.67	7.6	802	9
MW-7-40007	MW-7	7/13/2009	--		--		1.2		--		340		--		66,000		--		--		6.3		<0.048	U	55,000		0.22		--		<0.0005	U	--		--		--		--		310		--		<2.5	U	--		140		390		470		681.37		6.44	7.7	829	10
MW-7-40105	MW-7	10/19/2009	--		--		3.2		--		370		--		56,000		--		--		37		0.026		56,000		130		--		<0.00057	U	--		--		--		--		320		--		<2.5	U	--		150		370		510		681.06		6.75	7.5	807	11.5
MW-7-40191	MW-7	1/13/2010	--		--		1.4		--		380		--		52,000		--		--		79		0.03		54,000		18		--		<0.00057	U	--		--		--		--		320		--		<2.4	U	--		140		350		490		679.87		7.94	7.7	792	10
MW-7-40280	MW-7	4/12/2010	--		--		1.6		--		350		--		55,000		--		--		<1.4	U	<0.017	U	56,000		1.6		--		<0.00057	U	--		--		--		--		320		--		<2.4	U	--		130		370		460		679.44		8.37	7.7	801	8.5
MW-7-40378	MW-7	7/19/2010	--		--		1.7		--		330		--		55,000		--		--		17		0.067		56,000		10		--		<0.0005	U	--		--		--		--		320		--		<2.4	U	--		130		370		480		681.41		6.4	7.8	804	10.5
MW-7-40476	MW-7	10/25/2010	--		--		1.2		--		380		--		55,000		--		--		30		0.063		55,000		4.3		--		<0.00058	U	--		--		--		--		330		--		<1.3	U	--		130		360		450		680.55		7.26	7.7	832	13
MW-7-40661	MW-7	4/28/2011	--		--		1.5		--		330		--		56,000		--		--		43		0.052		56,000		9.1		--		<0.0014	U	--		--		--		--		340		--		<1.3	U	--		120		370		470		680.59		7.22	7.5	783	9
MW-7-41100	MW-7	7/10/2012	--		--		0.64		--		330		--		55,000		--		--		11		<0.028	U	53,000		**330**		--		<0.00076	U	--		--		--		--		360		--		<3.1	U	--		100		360		470		679.18		8.63	7.5	732	11.5
MW-7-41374	MW-7	4/10/2013	--		--		1.3		--		330		--		59,000		--		--		16		<0.034	U	56,000		9.3		--		<0.00044	U	--		--		--		--		360		--		<3.8	U	--		140		380		500		679.87		7.94	7.6	853	8.5
MW-7-41745	MW-7	4/16/2014	--		--		0.89		--		330		--		61,000		--		--		2.9		0.025		59,000		22		--		<0.001	U	--		--		--		--		360		--		4.1		--		140		400		520		679.72		8.09	7.7	871	8.5

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
Reporting Units:			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	µmhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
Wisconsin PAL:			0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
Wisconsin ES:			**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
MW-8-37074	MW-8	7/2/2001	--		--		1.5		92		160		<0.17	U	150,000		<0.4	U	<0.8	U	67		<0.9	U	50,000		**340**		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U	310		133		6.5		--		91		580		742		674.12		16.98	7	1,222	10
MW-8-37264	MW-8	1/8/2002	--		--		0.8		--		180		--		--		--		--		96		--		--		280		--		--		--		--		<3.4	U	--		--		--		--		0.03		91		--		--		673.06		18.04	6.9	1,202	11
MW-8-37453	MW-8	7/16/2002	--		--		<0.8	U	66		160		<0.12	U	140,000		<0.21	U	<0.9	U	130		<0.7	U	56,000		250		<0.19	U	--		<1.1	U	<0.1	U	<2	U	<3.6	U	350		132		4.1		0.3		89		580		740		673.44		17.66	6.8	1,237	11
MW-8-38111	MW-8	5/4/2004	--		--		<0.5	U	--		180		--		140,000		--		--		200		<1.4	U	52,000		210		<0.17	U	--		--		--		--		--		380		--		5		--		81		560		700		673.51		17.59	7	1,310	10.5
MW-8-38475	MW-8	5/3/2005	--		--		<1.3	U	--		160		--		140,000		--		--		200		0.72		49,000		170		<0.17	U	--		--		--		--		--		310		--		<5	U	--		79		550		700		673.27		17.83	6.6	1,255	10
MW-8-38860	MW-8	5/23/2006	--		--		0.8		--		140		--		130,000		--		--		120		0.49		44,000		170		<0.011	U	--		--		--		--		--		380		--		7.2		--		74		510		790		673.71		17.39	6.9	1,209	10
MW-8-38861	MW-8	5/24/2006	<0.019	U	<0.2	U	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	--	--	--
MW-8-39091	MW-8	1/9/2007	--		--		1.2		--		180		--		130,000		--		--		**510**		0.53		49,000		170		<0.0055	U	--		--		--		--		--		390		--		4.9		--		71		530		750		673.95		17.15	7	1,279	11
MW-8-39183	MW-8	4/11/2007	--		--		0.78		--		190		--		120,000		--		--		**370**		0.14		51,000		150		<0.012	U	--		--		--		--		--		400		--		<2.4	U	--		71		510		720		674.8199		16.28	6.9	1,248	10
MW-8-39286	MW-8	7/23/2007	--		--		0.85		--		210		--		130,000		--		--		**360**		0.084		55,000		160		<0.0012	U	--		--		--		--		--		340		--		4		--		78		550		720		673.48		17.62	7	1,238	10
MW-8-39286-Dup	MW-8	7/23/2007	--		--		0.69		--		180		--		110,000		--		--		200		<0.039	U	47,000		130		<0.0012	U	--		--		--		--		--		340		--		4		--		80		470		700		--		--	7.1	1,222	10
MW-8-39372	MW-8	10/17/2007	--		--		0.89		--		200		--		130,000		--		--		**360**		0.12		52,000		150		--		<0.001	U	--		--		--		--		400		--		<2.4	U	--		74		540		730		673.88		17.22	7	1,237	11
MW-8-39469	MW-8	1/22/2008	--		--		1.2		--		210		--		140,000		--		--		**440**		0.18		56,000		180		<0.001	U	--		--		--		--		--		390		--		<3.3	U	--		69		580		760		674.13		16.97	6.6	1,262	11
MW-8-39561	MW-8	4/23/2008	--		--		0.61		--		170		--		170,000		--		--		260		0.18		50,000		190		<0.001	U	--		--		--		--		--		330		--		<3.3	U	--		65		630		770		675.99		15.11	6.9	1,380	10.5
MW-8-39643	MW-8	7/14/2008	--		--		0.82		--		180		--		130,000		--		--		**940**		0.46		52,000		150		<0.0012	U	--		--		--		--		--		320		--		8.4		--		71		540		750		674.44		16.66	6.9	1,335	9.5
MW-8-39729	MW-8	10/8/2008	--		--		0.84		--		180		--		130,000		--		--		**670**		0.26		52,000		140		0.0015		--		--		--		--		--		390		--		<3.3	U	--		88		540		770		673.64		17.46	6.8	1,345	10
MW-8-39834	MW-8	1/21/2009	--		--		0.64		--		160		--		120,000		--		--		**510**		0.16		50,000		130		<0.0005	U	--		--		--		--		--		400		--		<2.5	U	--		65		510		750		674.0699		17.03	7.4	1,475	10
MW-8-39911	MW-8	4/8/2009	--		--		0.99		--		170		--		140,000		--		--		**540**		0.19		54,000		160		<0.0005	U	--		--		--		--		--		380		--		4.3		--		**300**		570		820		675.28		15.82	7	1,481	9.5
MW-8-40007	MW-8	7/13/2009	--		--		0.78		--		150		--		140,000		--		--		**580**		<0.048	U	46,000		140		--		<0.0005	U	--		--		--		--		380		--		4.5		--		60		540		720		675.1		16	7.3	1,358	10
MW-8-40105	MW-8	10/19/2009	--		--		1.8		--		160		--		130,000		--		--		**660**		0.13		53,000		170		--		<0.00057	U	--		--		--		--		380		--		9		--		85		540		780		673.12		17.98	7.1	1,371	11.5
MW-8-40191	MW-8	1/13/2010	--		--		1.9		--		160		--		130,000		--		--		**640**		0.15		50,000		190		--		<0.00057	U	--		--		--		--		390		--		<2.4	U	--		60		530		690		673.86		17.24	7.1	1,351	10
MW-8-40280	MW-8	4/12/2010	--		--		1.5		--		140		--		130,000		--		--		**710**		0.36		51,000		210		--		<0.00057	U	--		--		--		--		330		--		<2.4	U	--		56		530		800		675.45		15.65	7.1	1,520	9
MW-8-40378	MW-8	7/19/2010	--		--		2.2		--		150		--		130,000		--		--		**2,100**		1.4		50,000		210		--		0.0031		--		--		--		--		390		--		<2.4	U	--		57		530		750		675.63		15.47	7.4	1,422	10
MW-8-40476	MW-8	10/25/2010	--		--		1.2		--		160		--		140,000		--		--		**820**		0.082		53,000		120		--		<0.00058	U	--		--		--		--		380		--		2.2		--		76		570		770		674.37		16.73	7.4	1,890	11.3
MW-8-40660	MW-8	4/27/2011	--		--		1.3		--		140		--		140,000		--		--		**590**		0.054		52,000		130		--		<0.0014	U	--		--		--		--		380		--		<1.3	U	--		54		560		830		677.13		13.97	7.1	1,442	9
MW-8-41100	MW-8	7/10/2012	--		--		1.1		--		160		--		140,000		--		--		**990**		0.073		51,000		120		--		<0.00076	U	--		--		--		--		380		--		<3.1	U	--		61		560		780		674.22		16.88	7.1	1,303	10.5
MW-8-41374	MW-8	4/10/2013	--		--		1.8		--		150		--		130,000		--		--		**910**		0.089		48,000		110		--		<0.00044	U	--		--		--		--		370		--		4.4		--		49		520		790		675.21		15.89	7.1	1,470	9
MW-8-41744	MW-8	4/15/2014	--		--		2.3		--		150		--		130,000		--		--		**960**		0.05		50,000		110		--		<0.001	U	--		--		--		--		330		--		9.7		--		50		530		800		674.82		16.28	7.3	1,490	9.5

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150	
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**	
MW-9-37075	MW-9	7/3/2001	--		--		1.8		75		69		<0.17	U	220,000		1.5		4.3		**5,500**	
MW-9-37264	MW-9	1/8/2002	--		--		1.5		--		67		--		--		--		--		**4,100**	
MW-9-37453	MW-9	7/16/2002	--		--		1.6		44		56		<0.12	U	190,000		<0.21	U	1.6		**2,800**	
MW-9-38112	MW-9	5/5/2004	--		--		<0.5	U	--		69		--		200,000		--		--		**3,600**	
MW-9-38475	MW-9	5/3/2005	--		--		<1.3	U	--		68		--		200,000		--		--		**4,500**	
MW-9-38860	MW-9	5/23/2006	--		--		1.4		--		65		--		210,000		--		--		**4,000**	
MW-9-39092	MW-9	1/10/2007	--		--		1		--		70		--		190,000		--		--		**4,100**	
MW-9-39184	MW-9	4/12/2007	--		--		0.87		--		71		--		180,000		--		--		**3,400**	
MW-9-39184-Dup	MW-9	4/12/2007	--		--		0.91		--		65		--		180,000		--		--		**1,600**	
MW-9-39287	MW-9	7/24/2007	--		--		1.1		--		75		--		180,000		--		--		**4,100**	
MW-9-39373	MW-9	10/18/2007	--		--		1.3		--		110		--		280,000		--		--		**6,700**	
MW-9-39470	MW-9	1/23/2008	--		--		<0.34	U	--		81		--		220,000		--		--		**3,500**	
MW-9-39561	MW-9	4/23/2008	--		--		0.43		--		110		--		240,000		--		--		**3,200**	
MW-9-39561-Dup	MW-9	4/23/2008	--		--		0.67		--		10		--		230,000		--		--		**2,300**	
MW-9-39644	MW-9	7/15/2008	--		--		0.46		--		82		--		210,000		--		--		**4,400**	
MW-9-39730	MW-9	10/9/2008	--		--		0.81		--		82		--		200,000		--		--		**4,600**	
MW-9-39835	MW-9	1/22/2009	--		--		0.5		--		76		--		190,000		--		--		**4,900**	
MW-9-39912	MW-9	4/9/2009	--		--		0.81		--		120		--		270,000		--		--		**4,500**	
MW-9-40008	MW-9	7/14/2009	--		--		0.63		--		74		--		210,000		--		--		**4,300**	
MW-9-40106	MW-9	10/20/2009	--		--		1.4		--		74		--		210,000		--		--		**4,500**	
MW-9-40192	MW-9	1/14/2010	--		--		0.65		--		70		--		200,000		--		--		**5,100**	
MW-9-40281	MW-9	4/13/2010	--		--		0.89		--		71		--		210,000		--		--		**6,000**	
MW-9-40379	MW-9	7/20/2010	--		--		0.75		--		68		--		200,000		--		--		**4,800**	
MW-9-40477	MW-9	10/26/2010	--		--		<0.4	U	--		70		--		220,000		--		--		**5,600**	
MW-9-40661	MW-9	4/28/2011	--		--		0.58		--		75		--		200,000		--		--		**4,900**	
MW-9-41100	MW-9	7/10/2012	--		--		<0.36	U	--		83		--		220,000		--		--		**5,600**	
MW-9-41373	MW-9	4/9/2013	--		--		0.55		--		85		--		220,000		--		--		**6,200**	
MW-9-41745	MW-9	4/16/2014	--		--		2.1		--		97		--		230,000		--		--		**6,500**	
MW-9-42103	MW-9	4/9/2015	--		--		--		--		--		--		--		--		--		--	
MW-9-42472	MW-9	4/12/2016	--		--		--		--		--		--		--		--		--		--	
MW-9-42837	MW-9	4/12/2017	--		--		--		--		--		--		--		--		--		--	
MW-9-43208	MW-9	4/18/2018	--		--		--		--		--		--		--		--		--		--	
MW-9-43572	MW-9	4/17/2019	--		--		--		--		--		--		--		--		--		--	

			Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	1.5		NS		60		0.2		0.2		10		10		6		2,500	
		Wisconsin ES:	**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**	
MW-9-37075	MW-9	7/3/2001	3.4		110,000		280		<0.18	U	--		<1.2	U	<0.17	U	--		10	
MW-9-37264	MW-9	1/8/2002	--		--		160		--		--		--		--		<3.4	U	--	
MW-9-37453	MW-9	7/16/2002	<0.7	U	110,000		120		<0.19	U	--		<1.1	U	<0.1	U	<2	U	<3.6	U
MW-9-38112	MW-9	5/5/2004	<1.4	U	100,000		120		<0.17	U	--		--		--		--		--	
MW-9-38475	MW-9	5/3/2005	1		99,000		110		<0.17	U	--		--		--		--		--	
MW-9-38860	MW-9	5/23/2006	0.34		95,000		130		<0.011	U	--		--		--		--		--	
MW-9-39092	MW-9	1/10/2007	0.13		100,000		130		<0.0055	U	--		--		--		--		--	
MW-9-39184	MW-9	4/12/2007	0.085		100,000		120		<0.012	U	--		--		--		--		--	
MW-9-39184-Dup	MW-9	4/12/2007	0.053		100,000		110		<0.012	U	--		--		--		--		--	
MW-9-39287	MW-9	7/24/2007	<0.039	U	97,000		110		<0.0012	U	--		--		--		--		--	
MW-9-39373	MW-9	10/18/2007	0.099		150,000		170		--		<0.001	U	--		--		--		--	
MW-9-39470	MW-9	1/23/2008	<0.015	U	110,000		140		<0.001	U	--		--		--		--		--	
MW-9-39561	MW-9	4/23/2008	0.024		120,000		130		<0.001	U	--		--		--		--		--	
MW-9-39561-Dup	MW-9	4/23/2008	<0.015	U	140,000		130		<0.001	U	--		--		--		--		--	
MW-9-39644	MW-9	7/15/2008	0.052		110,000		120		<0.0012	U	--		--		--		--		--	
MW-9-39730	MW-9	10/9/2008	0.2		110,000		120		0.00045		--		--		--		--		--	
MW-9-39835	MW-9	1/22/2009	0.037		110,000		120		<0.0005	U	--		--		--		--		--	
MW-9-39912	MW-9	4/9/2009	0.056		140,000		160		0.0013		--		--		--		--		--	
MW-9-40008	MW-9	7/14/2009	<0.048	U	100,000		110		--		<0.0005	U	--		--		--		--	
MW-9-40106	MW-9	10/20/2009	0.11		110,000		140		--		<0.00057	U	--		--		--		--	
MW-9-40192	MW-9	1/14/2010	0.18		100,000		170		--		<0.00057	U	--		--		--		--	
MW-9-40281	MW-9	4/13/2010	0.18		110,000		180		--		<0.00057	U	--		--		--		--	
MW-9-40379	MW-9	7/20/2010	0.1		100,000		160		--		<0.0005	U	--		--		--		--	
MW-9-40477	MW-9	10/26/2010	0.096		100,000		120		--		<0.00058	U	--		--		--		--	
MW-9-40661	MW-9	4/28/2011	<0.049	U	110,000		110		--		<0.0014	U	--		--		--		--	
MW-9-41100	MW-9	7/10/2012	<0.028	U	110,000		120		--		<0.00076	U	--		--		--		--	
MW-9-41373	MW-9	4/9/2013	0.057		110,000		140		--		<0.00044	U	--		--		--		--	
MW-9-41745	MW-9	4/16/2014	0.065		110,000		140		--		<0.001	U	--		--		--		--	
MW-9-42103	MW-9	4/9/2015	--		--		--		--		--		--		--		--		--	
MW-9-42472	MW-9	4/12/2016	--		--		--		--		--		--		--		--		--	
MW-9-42837	MW-9	4/12/2017	--		--		--		--		--		--		--		--		--	
MW-9-43208	MW-9	4/18/2018	--		--		--		--		--		--		--		--		--	
MW-9-43572	MW-9	4/17/2019	--		--		--		--		--		--		--		--		--	

			Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	µmhos	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
MW-9-37075	MW-9	7/3/2001	350		28		2.5		--		**389**		1,000		**1,080**		672.79		15.71	7	1,500	11
MW-9-37264	MW-9	1/8/2002	--		--		--		0.14		**421**		--		--		672.05		16.45	6.8	1,493	11
MW-9-37453	MW-9	7/16/2002	410		27		<2.4	U	1.7		**415**		930		**1,130**		671.99		16.51	6.9	1,449	12
MW-9-38112	MW-9	5/5/2004	400		--		<4	U	--		**433**		910		**1,100**		671.98		16.52	7.1	671	11
MW-9-38475	MW-9	5/3/2005	380		--		8.8		--		**430**		910		**1,100**		672.27		16.23	6.8	1,424	10.5
MW-9-38860	MW-9	5/23/2006	410		--		6.8		--		**485**		920		**1,300**		672.18		16.32	6.8	1,411	10.5
MW-9-39092	MW-9	1/10/2007	460		--		6.2		--		**470**		890		**1,200**		672.29		16.21	7.1	1,491	11
MW-9-39184	MW-9	4/12/2007	460		--		8.9		--		**480**		860		**1,200**		673.34		15.16	6.9	1,464	10.5
MW-9-39184-Dup	MW-9	4/12/2007	460		--		6		--		**470**		860		**1,200**		--		--	6.9	1,460	10.5
MW-9-39287	MW-9	7/24/2007	340		--		11		--		**500**		850		**1,200**		672.08		16.42	7.2	1,550	10.5
MW-9-39373	MW-9	10/18/2007	450		--		8.9		--		**490**		1,300		**1,200**		672.86		15.64	7	1,520	11.5
MW-9-39470	MW-9	1/23/2008	450		--		6.7		--		**500**		1,000		**1,200**		672.72		15.78	6.9	1,470	10
MW-9-39561	MW-9	4/23/2008	370		--		5.3		--		**490**		1,100		**1,200**		674		14.5	7.1	1,610	11.5
MW-9-39561-Dup	MW-9	4/23/2008	370		--		<3.3	U	--		**500**		1,200		**1,300**		--		--	7.1	1,600	11.5
MW-9-39644	MW-9	7/15/2008	390		--		10.4		--		**500**		980		**1,200**		673.47		15.03	7.1	1,620	10
MW-9-39730	MW-9	10/9/2008	440		--		5		--		**540**		950		**1,200**		672.62		15.88	6.9	1,640	10
MW-9-39835	MW-9	1/22/2009	430		--		<2.5	U	--		**510**		930		**1,200**		672.89		15.61	7.4	1,680	10
MW-9-39912	MW-9	4/9/2009	440		--		5.5		--		**490**		1,200		**1,200**		673.61		14.89	7	1,620	10
MW-9-40008	MW-9	7/14/2009	450		--		10		--		**500**		940		**1,200**		673.67		14.83	7.3	1,650	10
MW-9-40106	MW-9	10/20/2009	450		--		11		--		**490**		980		**1,200**		671.84		16.66	7.1	1,580	10
MW-9-40192	MW-9	1/14/2010	450		--		4.2		--		**480**		910		**1,200**		672.35		16.15	7.2	1,560	10
MW-9-40281	MW-9	4/13/2010	330		--		<2.4	U	--		**460**		980		**1,100**		673.9		14.6	7.2	1,570	10.5
MW-9-40379	MW-9	7/20/2010	460		--		6.4		--		**450**		910		**1,200**		673.89		14.61	7.5	1,590	10.5
MW-9-40477	MW-9	10/26/2010	450		--		5.1		--		**520**		960		**1,200**		672.91		15.59	7.4	1,660	10.5
MW-9-40661	MW-9	4/28/2011	460		--		3.2		--		**470**		950		**1,200**		674.86		13.64	7.1	1,484	10
MW-9-41100	MW-9	7/10/2012	440		--		5.6		--		**530**		1,000		**1,200**		672.23		16.27	7.2	1,474	10.5
MW-9-41373	MW-9	4/9/2013	440		--		10		--		**540**		1,000		**1,200**		673.33		15.17	7.2	1,600	9.5
MW-9-41745	MW-9	4/16/2014	380		--		6.3		--		**560**		1,000		**1,300**		673.39		15.11	7.2	1,690	10.5
MW-9-42103	MW-9	4/9/2015	--		--		--		--		**570**		--		--		673.18		15.32	7.2	1,650	10.5
MW-9-42472	MW-9	4/12/2016	--		--		--		--		**563**		--		--		674.19		14.31	8.3	1,520	10
MW-9-42837	MW-9	4/12/2017	--		--		--		--		**550**		--		--		674.52		13.98	7.2	1,680	9.5
MW-9-43208	MW-9	4/18/2018	--		--		--		--		**570**		--		--		674.05		14.45	7.08	1,783.9	10.79
MW-9-43572	MW-9	4/17/2019	--		--		--		--		**580**		--		--		674.95		13.55	7.2	2,248	11

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150	
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**	
P-1-35655	P-1	8/13/1997	--		--		<0.9	U	65		250		<0.1	U	--		<0.6	U	<0.7	U	**940**	
P-1-36034	P-1	8/27/1998	--		--		<0.7	U	60		270		<0.05	U	--		<0.2	U	<1	U	**700**	
P-1-36447	P-1	10/14/1999	--		--		<1	U	72		260		<0.14	U	51,000		<0.6	U	1.6		**570**	
P-1-36766	P-1	8/28/2000	--		--		0.8		60		260		<0.15	U	56,000		<0.4	U	<1.1	U	**770**	
P-1-37074	P-1	7/2/2001	--		--		<0.6	U	71		290		<0.17	U	57,000		<0.4	U	<0.8	U	**650**	
P-1-37264	P-1	1/8/2002	--		--		--		--		--		--		--		--		--		--	
P-1-37453	P-1	7/16/2002	--		--		<0.8	U	71		270		<0.12	U	48,000		<0.21	U	<0.9	U	**500**	
P-1-38111	P-1	5/4/2004	--		--		<0.5	U	--		290		--		48,000		--		--		**550**	
P-1-38475	P-1	5/3/2005	--		--		<1.3	U	--		260		--		45,000		--		--		**590**	
P-1-38861	P-1	5/24/2006	--		--		<0.43	U	--		250		--		47,000		--		--		**400**	
P-1-38861-Dup	P-1	5/24/2006	--		--		<0.43	U	--		250		--		46,000		--		--		280	
P-1-39091	P-1	1/9/2007	--		--		<0.53	U	--		280		--		41,000		--		--		**420**	
P-1-39183	P-1	4/11/2007	--		--		<0.53	U	--		280		--		40,000		--		--		**540**	
P-1-39286	P-1	7/23/2007	--		--		<0.53	U	--		280		--		37,000		--		--		**420**	
P-1-39372	P-1	10/17/2007	--		--		<0.53	U	--		390		--		57,000		--		--		**580**	
P-1-39469	P-1	1/22/2008	--		--		<0.34	U	--		320		--		50,000		--		--		**520**	
P-1-39561	P-1	4/23/2008	--		--		<0.34	U	--		400		--		53,000		--		--		**300**	
P-1-39643	P-1	7/14/2008	--		--		0.22		--		320		--		49,000		--		--		**480**	
P-1-39729	P-1	10/8/2008	--		--		<0.34	U	--		300		--		40,000		--		--		**480**	
P-1-39729-Dup	P-1	10/8/2008	--		--		<0.34	U	--		300		--		40,000		--		--		**380**	
P-1-39834	P-1	1/21/2009	--		--		<0.34	U	--		260		--		42,000		--		--		**440**	
P-1-39834-Dup	P-1	1/21/2009	--		--		<0.34	U	--		260		--		41,000		--		--		**390**	
P-1-39911	P-1	4/8/2009	--		--		<0.29	U	--		330		--		48,000		--		--		**520**	
P-1-40007	P-1	7/13/2009	--		--		<0.29	U	--		270		--		48,000		--		--		**420**	
P-1-40007-Dup	P-1	7/13/2009	--		--		<0.29	U	--		280		--		53,000		--		--		**360**	
P-1-40105	P-1	10/19/2009	--		--		0.35		--		290		--		43,000		--		--		**550**	
P-1-40191	P-1	1/13/2010	--		--		<0.34	U	--		270		--		41,000		--		--		**480**	
P-1-40191-Dup	P-1	1/13/2010	--		--		<0.34	U	--		280		--		42,000		--		--		**390**	
P-1-40280	P-1	4/12/2010	--		--		<0.34	U	--		290		--		43,000		--		--		**580**	
P-1-40378	P-1	7/19/2010	--		--		0.18		--		270		--		42,000		--		--		**530**	
P-1-40476	P-1	10/25/2010	--		--		<0.4	U	--		280		--		43,000		--		--		**530**	
P-1-40476-Dup	P-1	10/25/2010	--		--		<0.4	U	--		270		--		42,000		--		--		**460**	
P-1-40661	P-1	4/28/2011	--		--		<0.4	U	--		280		--		43,000		--		--		**530**	
P-1-41100	P-1	7/10/2012	--		--		<0.36	U	--		290		--		44,000		--		--		**480**	
P-1-41374	P-1	4/10/2013	--		--		<0.25	U	--		290		--		44,000		--		--		**510**	
P-1-41745	P-1	4/16/2014	--		--		0.29		--		290		--		46,000		--		--		**560**	
P-1-42103	P-1	4/9/2015	--		--		--		--		--		--		--		--		--		--	
P-1-42472	P-1	4/12/2016	--		--		--		--		--		--		--		--		--		--	
P-1-43208	P-1	4/18/2018	--		--		--		--		--		--		--		--		--		--	

			Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal	
9-Digit Code	Sample Location	Sample Date	Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved	
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
		Wisconsin PAL:	1.5		NS		60		0.2		0.2		10		10		6		2,500	
		Wisconsin ES:	**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**	
P-1-35655	P-1	8/13/1997	<1	U	--		13		0		--		<1	U	0		--		30	
P-1-36034	P-1	8/27/1998	<0.7	U	--		11		<0.18	U	--		<0.7	U	<0.14	U	--		6.7	
P-1-36447	P-1	10/14/1999	0.95		49,000		8.9		<0.18	U	--		<0.9	U	<0.094	U	--		6.7	
P-1-36766	P-1	8/28/2000	<0.59	U	52,000		9		<0.18	U	--		<1.2	U	<0.17	U	--		6.8	
P-1-37074	P-1	7/2/2001	<0.9	U	54,000		9.4		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U
P-1-37264	P-1	1/8/2002	--		--		--		--		--		--		--		<3.4	U	--	
P-1-37453	P-1	7/16/2002	<0.7	U	48,000		8.4		<0.19	U	--		<1.1	U	<0.1	U	<2	U	4.3	
P-1-38111	P-1	5/4/2004	<1.4	U	45,000		19		<0.17	U	--		--		--		--		--	
P-1-38475	P-1	5/3/2005	<0.59	U	41,000		16		<0.17	U	--		--		--		--		--	
P-1-38861	P-1	5/24/2006	<0.029	U	39,000		25		<0.011	U	--		--		--		--		--	
P-1-38861-Dup	P-1	5/24/2006	0.068		39,000		12		<0.011	U	--		--		--		--		--	
P-1-39091	P-1	1/9/2007	<0.039	U	39,000		9.1		<0.0055	U	--		--		--		--		--	
P-1-39183	P-1	4/11/2007	0.048		40,000		22		<0.012	U	--		--		--		--		--	
P-1-39286	P-1	7/23/2007	<0.039	U	36,000		9.4		<0.0012	U	--		--		--		--		--	
P-1-39372	P-1	10/17/2007	<0.039	U	53,000		21		--		<0.001	U	--		--		--		--	
P-1-39469	P-1	1/22/2008	<0.015	U	45,000		10		<0.001	U	--		--		--		--		--	
P-1-39561	P-1	4/23/2008	<0.015	U	37,000		11		<0.001	U	--		--		--		--		--	
P-1-39643	P-1	7/14/2008	0.02		43,000		12		<0.0012	U	--		--		--		--		--	
P-1-39729	P-1	10/8/2008	0.1		39,000		7.5		0.0009		--		--		--		--		--	
P-1-39729-Dup	P-1	10/8/2008	0.058		39,000		5.3		0.0011		--		--		--		--		--	
P-1-39834	P-1	1/21/2009	<0.015	U	41,000		9.2		<0.0005	U	--		--		--		--		--	
P-1-39834-Dup	P-1	1/21/2009	<0.015	U	41,000		8.7		<0.0005	U	--		--		--		--		--	
P-1-39911	P-1	4/8/2009	<0.048	U	44,000		11		<0.0005	U	--		--		--		--		--	
P-1-40007	P-1	7/13/2009	<0.048	U	39,000		13		--		<0.0005	U	--		--		--		--	
P-1-40007-Dup	P-1	7/13/2009	<0.048	U	40,000		14		--		<0.0005	U	--		--		--		--	
P-1-40105	P-1	10/19/2009	<0.017	U	40,000		11		--		<0.00057	U	--		--		--		--	
P-1-40191	P-1	1/13/2010	0.12		40,000		26		--		<0.00057	U	--		--		--		--	
P-1-40191-Dup	P-1	1/13/2010	0.023		40,000		12		--		<0.00057	U	--		--		--		--	
P-1-40280	P-1	4/12/2010	<0.017	U	40,000		15		--		<0.00057	U	--		--		--		--	
P-1-40378	P-1	7/19/2010	<0.017	U	39,000		12		--		0.00053		--		--		--		--	
P-1-40476	P-1	10/25/2010	<0.049	U	40,000		7.9		--		<0.00058	U	--		--		--		--	
P-1-40476-Dup	P-1	10/25/2010	<0.049	U	40,000		7.7		--		<0.00058	U	--		--		--		--	
P-1-40661	P-1	4/28/2011	<0.049	U	40,000		12		--		<0.0014	U	--		--		--		--	
P-1-41100	P-1	7/10/2012	<0.028	U	40,000		12		--		<0.00076	U	--		--		--		--	
P-1-41374	P-1	4/10/2013	<0.034	U	40,000		13		--		<0.00044	U	--		--		--		--	
P-1-41745	P-1	4/16/2014	<0.014	U	43,000		14		--		<0.001	U	--		--		--		--	
P-1-42103	P-1	4/9/2015	--		--		--		--		--		--		--		--		--	
P-1-42472	P-1	4/12/2016	--		--		--		--		--		--		--		--		--	
P-1-43208	P-1	4/18/2018	--		--		--		--		--		--		--		--		--	

			Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
P-1-35655	P-1	8/13/1997	340		7.7		<5	U	--		129		490		534		675.15		14.65	7.6	815	10
P-1-36034	P-1	8/27/1998	310		6.3		6		--		94		380		446		674.65		15.15	7.7	738	11.5
P-1-36447	P-1	10/14/1999	300		5.5		9		--		75		330		432		674.48		15.32	7.6	657	11.5
P-1-36766	P-1	8/28/2000	310		6.8		<3.9	U	--		99		350		480		675.39		14.41	7.6	699	12
P-1-37074	P-1	7/2/2001	300		6.3		2.5		--		95		360		454		675.93		13.87	7.6	744	10.5
P-1-37264	P-1	1/8/2002	--		--		--		0.2		--		--		--		674.96		14.84	7.4	659	10.5
P-1-37453	P-1	7/16/2002	300		5.6		<2.4	U	0.37		72		320		374		675.24		14.56	7.4	635	12
P-1-38111	P-1	5/4/2004	290		--		6		--		70		310		360		675.45		14.35	7.7	659	11
P-1-38475	P-1	5/3/2005	280		--		<5	U	--		66		280		330		675.11		14.69	7.1	608	10.5
P-1-38861	P-1	5/24/2006	280		--		<2	U	--		63		280		380		675.64		14.16	7.5	584	11
P-1-38861-Dup	P-1	5/24/2006	280		--		2.3		--		63		280		380		--		--	--	--	--
P-1-39091	P-1	1/9/2007	270		--		3.3		--		65		260		350		675.77		14.03	7.7	616	11
P-1-39183	P-1	4/11/2007	280		--		3		--		66		260		350		676.75		13.05	7.5	598	10.5
P-1-39286	P-1	7/23/2007	280		--		6.2		--		60		240		370		675.28		14.52	7.6	607	11.5
P-1-39372	P-1	10/17/2007	280		--		3.9		--		58		360		370		675.77		14.03	7.6	612	11
P-1-39469	P-1	1/22/2008	280		--		4.8		--		63		310		340		675.96		13.84	7.5	590	10
P-1-39561	P-1	4/23/2008	270		--		<3.3	U	--		65		280		380		677.79		12.01	7.6	632	10.5
P-1-39643	P-1	7/14/2008	270		--		7.1		--		61		300		370		676.37		13.43	7.7	630	11
P-1-39729	P-1	10/8/2008	280		--		<3.3	U	--		59		260		380		675.47		14.33	7.6	623	10.5
P-1-39729-Dup	P-1	10/8/2008	280		--		4		--		58		260		340		--		--	7.6	625	10.5
P-1-39834	P-1	1/21/2009	280		--		<2.5	U	--		60		270		350		675.98		13.82	8.2	666	10
P-1-39834-Dup	P-1	1/21/2009	280		--		<2.5	U	--		60		270		370		--		--	8.2	664	10
P-1-39911	P-1	4/8/2009	280		--		<2.5	U	--		64		300		370		677.16		12.64	7.8	632	10.5
P-1-40007	P-1	7/13/2009	280		--		<2.5	U	--		61		280		350		676.89		12.91	7.9	642	10.5
P-1-40007-Dup	P-1	7/13/2009	280		--		<2.5	U	--		62		300		360		--		--	8	642	10.5
P-1-40105	P-1	10/19/2009	290		--		4.3		--		50		270		350		674.95		14.85	7.6	611	10.5
P-1-40191	P-1	1/13/2010	280		--		5.8		--		59		270		290		675.77		14.03	7.9	619	10
P-1-40191-Dup	P-1	1/13/2010	280		--		<2.4	U	--		59		270		340		--		--	7.9	618	10
P-1-40280	P-1	4/12/2010	280		--		<2.4	U	--		60		270		360		677.34		12.46	7.8	629	10
P-1-40378	P-1	7/19/2010	280		--		4.5		--		55		270		300		677.41		12.39	8.1	627	11
P-1-40476	P-1	10/25/2010	290		--		3.5		--		49		270		330		676.18		13.62	8.1	644	13
P-1-40476-Dup	P-1	10/25/2010	290		--		1.9		--		47		270		300		--		--	8.1	642	13
P-1-40661	P-1	4/28/2011	290		--		1.8		--		50		270		320		678.91		10.89	7.1	605	9.5
P-1-41100	P-1	7/10/2012	300		--		3.2		--		44		270		370		675.95		13.85	7.7	568	11.5
P-1-41374	P-1	4/10/2013	300		--		<3.8	U	--		48		270		350		676.95		12.85	7.8	629	10
P-1-41745	P-1	4/16/2014	300		--		5.7		--		48		290		340		676.74		13.06	7.9	639	9.5
P-1-42103	P-1	4/9/2015	--		--		--		--		47		--		--		676.92		12.88	7.9	595	10.5
P-1-42472	P-1	4/12/2016	--		--		--		--		47		--		--		678.45		11.35	9.2	518	9.5
P-1-43208	P-1	4/18/2018	--		--		--		--		--		--		--		--		--	--	--	--

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
P-2-35655	P-2	8/13/1997	--		--		2.4		85		240		<0.1	U	--		<0.6	U	0.7		52		<1	U	--		46		0		--		<1	U	0		--		<10	U	200		2		<5	U	--		11		190		242		673.17		15.58	7.9	388	11.5
P-2-36034	P-2	8/27/1998	--		--		2.2		85		280		<0.05	U	--		<0.2	U	1.1		9		<0.7	U	--		28		<0.18	U	--		<0.7	U	<0.14	U	--		8.2		200		1.9		<3.5	U	--		8		150		208		672.86		15.89	8	392	12.5
P-2-36447	P-2	10/14/1999	--		--		3.3		87		280		<0.14	U	26,000		<0.6	U	1.7		220		<0.6	U	19,000		50		<0.18	U	--		<0.9	U	<0.094	U	--		0		210		2		9		--		9.9		140		197		672.42		16.33	7.6	381	13
P-2-36766	P-2	8/28/2000	--		--		4.2		86		260		<0.15	U	27,000		<0.4	U	7.9		260		0.7		19,000		54		<0.18	U	--		<1.2	U	<0.17	U	--		7.4		210		2.2		<3.9	U	--		11		150		232		673.45		15.3	7.8	386	14
P-2-37075	P-2	7/3/2001	--		--		1.8		100		280		<0.17	U	28,000		<0.4	U	1.5		180		<0.9	U	20,000		68		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U	220		2.1		5.5		--		11		150		248		674.06		14.69	8	406	14
P-2-37265	P-2	1/9/2002	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		4.1		--		--		--		--		0.32		--		--		--		672.93		15.82	7.4	393	13
P-2-37453	P-2	7/16/2002	--		--		2.8		100		270		<0.12	U	27,000		<0.21	U	1.4		110		<0.7	U	20,000		64		<0.19	U	--		<1.1	U	<0.1	U	<2	U	9.8		210		2.1		<2.4	U	0.67		7.9		150		172		673.26		15.49	7.5	387	14
P-2-38112	P-2	5/5/2004	--		--		1.8		--		290		--		28,000		--		--		120		<1.4	U	21,000		43		<0.17	U	--		--		--		--		--		210		--		<4	U	--		11		160		220		673.43		15.32	8	410	13
P-2-38475	P-2	5/3/2005	--		--		2		--		260		--		27,000		--		--		100		<0.59	U	19,000		41		<0.17	U	--		--		--		--		--		210		--		<5	U	--		10		150		180		673.13		15.62	7.5	393	12.5
P-2-38861	P-2	5/24/2006	--		--		2.9		--		250		--		26,000		--		--		52		0.18		20,000		95		<0.011	U	--		--		--		--		--		210		--		6.2		--		10		150		230		673.6		15.15	7.5	388	13.5
P-2-39091	P-2	1/9/2007	--		--		2.8		--		280		--		26,000		--		--		21		0.16		20,000		120		<0.0055	U	--		--		--		--		--		210		--		4.3		--		8.9		150		210		673.89		14.86	7.7	399	14
P-2-39183	P-2	4/11/2007	--		--		2.7		--		280		--		25,000		--		--		220		0.17		20,000		89		<0.012	U	--		--		--		--		--		220		--		3.7		--		8.9		140		210		674.64		14.11	7.5	394	12.5
P-2-39286	P-2	7/23/2007	--		--		2.4		--		290		--		24,000		--		--		31		<0.039	U	20,000		14		<0.0012	U	--		--		--		--		--		220		--		6.2		--		8.9		140		220		673.27		15.48	7.7	413	13
P-2-39373	P-2	10/18/2007	--		--		4.6		--		510		--		45,000		--		--		<50	U	0.19		36,000		100		--		<0.001	U	--		--		--		--		210		--		<2.4	U	--		7.7		260		220		673.9		14.85	7.6	395	14
P-2-39470	P-2	1/23/2008	--		--		3		--		330		--		31,000		--		--		120		0.14		24,000		88		<0.001	U	--		--		--		--		--		220		--		<3.3	U	--		8.2		180		200		673.92		14.83	7.6	390	12
P-2-39561	P-2	4/23/2008	--		--		3.4		--		310		--		35,000		--		--		<16	U	0.14		22,000		25		<0.001	U	--		--		--		--		--		220		--		<3.3	U	--		9.2		180		220		676.02		12.73	7.9	424	12.5
P-2-39644	P-2	7/15/2008	--		--		3		--		310		--		31,000		--		--		60		0.13		24,000		36		<0.0012	U	--		--		--		--		--		210		--		9.4		--		10		180		230		674.35		14.4	7.9	432	13
P-2-39730	P-2	10/9/2008	--		--		2.9		--		310		--		27,000		--		--		290		0.29		22,000		44		0.0012		--		--		--		--		--		220		--		<3.3	U	--		8.3		160		220		673.41		15.34	7.5	422	14.5
P-2-39834	P-2	1/21/2009	--		--		2.7		--		260		--		27,000		--		--		160		0.094		22,000		36		<0.0005	U	--		--		--		--		--		220		--		3.3		--		8.5		160		210		673.99		14.76	8.4	449	13.5
P-2-39911	P-2	4/8/2009	--		--		2.9		--		310		--		28,000		--		--		51		0.062		22,000		45		<0.0005	U	--		--		--		--		--		220		--		<2.5	U	--		8.8		160		230		675.12		13.63	8	419	13
P-2-40008	P-2	7/14/2009	--		--		3.1		--		260		--		32,000		--		--		45		0.055		20,000		17		--		<0.0005	U	--		--		--		--		220		--		6.7		--		11		160		230		674.84		13.91	8.1	445	12.5
P-2-40105	P-2	10/19/2009	--		--		3.9		--		280		--		28,000		--		--		46		0.063		22,000		51		--		0.00057		--		--		--		--		220		--		9.3		--		10		160		220		672.87		15.88	7.9	423	13.5
P-2-40191	P-2	1/13/2010	--		--		0.43		--		280		--		27,000		--		--		110		0.25		22,000		72		--		<0.00057	U	--		--		--		--		220		--		<2.4	U	--		10		160		150		673.72		15.03	8	414	13
P-2-40280	P-2	4/12/2010	--		--		3.4		--		280		--		28,000		--		--		**420**		0.55		22,000		81		--		0.00071		--		--		--		--		220		--		<2.4	U	--		11		160		220		675.35		13.4	7.6	424	12
P-2-40378	P-2	7/19/2010	--		--		4.1		--		260		--		26,000		--		--		68		0.11		21,000		88		--		<0.0005	U	--		--		--		--		220		--		<2.4	U	--		9		150		210		675.48		13.27	8.2	423	13
P-2-40476	P-2	10/25/2010	--		--		2.6		--		270		--		27,000		--		--		1.8		<0.049	U	21,000		<0.5	U	--		<0.00058	U	--		--		--		--		220		--		1.9		--		9.2		150		200		674.19		14.56	8.2	448	14
P-2-40660	P-2	4/27/2011	--		--		3.1		--		270		--		27,000		--		--		120		0.15		20,000		29		--		<0.0014	U	--		--		--		--		220		--		<1.3	U	--		9.9		150		180		676.88		11.87	7.9	406	12.5
P-2-41100	P-2	7/10/2012	--		--		2.2		--		270		--		28,000		--		--		**400**		0.029		21,000		9.5		--		<0.00076	U	--		--		--		--		220		--		<3.1	U	--		13		160		230		674.01		14.74	7.9	398	13.5
P-2-41374	P-2	4/10/2013	--		--		1.7		--		280		--		27,000		--		--		150		0.052		20,000		20		--		<0.00044	U	--		--		--		--		220		--		<3.8	U	--		12		150		190		674.94		13.81	8	415	12.5
P-2-41745	P-2	4/16/2014	--		--		2.7		--		290		--		28,000		--		--		36		0.088		22,000		3.2		--		<0.001	U	--		--		--		--		220		--		8.5		--		13		160		240		674.93		13.82	8.1	419	8

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
P-3-37074	P-3	7/2/2001	--		--		0.8		110		350		<0.17	U	62,000		0.8		1.4		**830**		1.2		27,000		170		<0.18	U	--		<1.2	U	<0.17	U	--		9.8		220		30		6.8		--		116		270		484		674.18		16.72	7.7	735	10.5
P-3-37264	P-3	1/8/2002	--		--		<0.6	U	--		420		--		--		--		--		140		--		--		70		--		--		--		--		<3.4	U	--		--		--		--		0.2		79		--		--		673.07		17.83	7.5	550	10
P-3-37453	P-3	7/16/2002	--		--		1		53		430		<0.12	U	31,000		<0.21	U	1.8		200		<0.7	U	14,000		87		<0.19	U	--		<1.1	U	<0.1	U	<2	U	<3.6	U	190		8.6		12		0.4		55		140		286		673.58		17.32	7.8	468	11.5
P-3-38111	P-3	5/4/2004	--		--		<0.5	U	--		490		--		28,000		--		--		190		<1.4	U	11,000		70		<0.17	U	--		--		--		--		--		170		--		6		--		38		120		200		673.28		17.62	7.4	473	11
P-3-38475	P-3	5/3/2005	--		--		<1.3	U	--		440		--		22,000		--		--		230		<0.59	U	8,500		56		<0.17	U	--		--		--		--		--		160		--		11		--		19		90		170		657.5		33.4	6.8	357	10.5
P-3-38860	P-3	5/23/2006	--		--		1.1		--		460		--		26,000		--		--		**430**		1.8		10,000		89		<0.011	U	--		--		--		--		--		160		--		20		--		35		110		230		673.47		17.43	7.6	389	11.5
P-3-38861	P-3	5/24/2006	0.045		**0.24**		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--	--	--	--
P-3-39091	P-3	1/9/2007	--		--		1		--		490		--		22,000		--		--		<50	U	0.22		10,000		74		<0.0055	U	--		--		--		--		--		160		--		14		--		34		96		200		673.69		17.21	7.7	380	11
P-3-39183	P-3	4/11/2007	--		--		1.2		--		490		--		24,000		--		--		260		0.35		10,000		52		<0.012	U	--		--		--		--		--		160		--		4.4		--		35		100		220		673.25		17.65	7.5	373	10.5
P-3-39286	P-3	7/23/2007	--		--		1.2		--		560		--		25,000		--		--		170		0.062		11,000		54		<0.0012	U	--		--		--		--		--		160		--		6.6		--		26		110		170		673.14		17.76	7.8	363	11
P-3-39372	P-3	10/17/2007	--		--		1.8		--		640		--		29,000		--		--		250		0.36		12,000		85		--		0.0011		--		--		--		--		160		--		8.9		--		22		120		170		672.97		17.93	7.7	345	11
P-3-39469	P-3	1/22/2008	--		--		0.93		--		530		--		31,000		--		--		260		0.34		12,000		98		<0.001	U	--		--		--		--		--		160		--		7		--		42		130		200		655.7401		35.16	7.3	388	10.5
P-3-39561	P-3	4/23/2008	--		--		1.2		--		710		--		31,000		--		--		130		0.18		12,000		60		<0.001	U	--		--		--		--		--		160		--		<3.3	U	--		24		130		210		674.55		16.35	7.7	357	11
P-3-39643	P-3	7/14/2008	0.039		0.17		1.1		--		520		--		24,000		--		--		**620**		0.35		10,000		62		<0.0012	U	--		--		--		--		--		150		--		8.1		--		15		100		180		673.2		17.7	7.7	348	11
P-3-39729	P-3	10/8/2008	--		--		0.83		--		530		--		23,000		--		--		200		0.2		10,000		50		0.0012		--		--		--		--		--		160		--		8		--		30		99		190		672.35		18.55	7.7	380	10
P-3-39834	P-3	1/21/2009	--		--		1.4		--		460		--		21,000		--		--		110		0.12		9,500		54		0.00051		--		--		--		--		--		160		--		5.2		--		20		92		190		673.4301		17.47	8.3	375	10
P-3-39911	P-3	4/8/2009	--		--		1.4		--		520		--		20,000		--		--		110		0.16		8,900		59		<0.0005	U	--		--		--		--		--		150		--		7.1		--		13		87		170		673.01		17.89	8	329	10.5
P-3-40007	P-3	7/13/2009	0.0057	J	0.021	J	1.6		--		500		--		22,000		--		--		160		0.2		7,600		71		--		0.00098		--		--		--		--		150		--		<2.5	U	--		18		86		180		674.53		16.37	8.2	341	11.5
P-3-40105	P-3	10/19/2009	0.0057	J	0.021	J	2.2		--		480		--		28,000		--		--		**630**		0.8		11,000		140		--		0.0025		--		--		--		--		160		--		7.4		--		34		120		220		672.4901		18.41	7.8	372	11.5
P-3-40191	P-3	1/13/2010	--		--		1.3		--		480		--		21,000		--		--		100		0.19		8,500		57		--		0.00079		--		--		--		--		160		--		4.5		--		17		87		120		672.44		18.46	7.9	330	10
P-3-40280	P-3	4/12/2010	--		--		1.7		--		480		--		22,000		--		--		**360**		0.46		9,000		58		--		0.00079		--		--		--		--		160		--		4		--		15		92		190		673.64		17.26	7.9	350	10
P-3-40378	P-3	7/19/2010	--		--		1.7		--		470		--		19,000		--		--		**490**		0.3		7,600		58		--		0.00084		--		--		--		--		150		--		<2.4	U	--		11		79		140		674.96		15.94	8	317	10.5
P-3-40476	P-3	10/25/2010	0.039		**0.21**		1.1		--		480		--		23,000		--		--		**310**		0.25		9,400		53		--		<0.00058	U	--		--		--		--		150		--		5.7		--		29		96		160		673.69		17.21	8.1	411	10.5
P-3-40660	P-3	4/27/2011	--		--		1.2		--		470		--		24,000		--		--		230		0.31		9,900		54		--		<0.0014	U	--		--		--		--		160		--		8.5		--		30		100		160		675.56		15.34	8	371	10.5
P-3-41100	P-3	7/10/2012	0.0078	J	0.04	J	0.84		--		490		--		23,000		--		--		230		<0.028	U	8,900		46		--		<0.00076	U	--		--		--		--		160		--		11		--		27		94		190		674.59		16.31	8	354	11
P-3-41374	P-3	4/10/2013	--		--		0.58		--		480		--		23,000		--		--		**320**		0.14		9,100		38		--		0.00067		--		--		--		--		160		--		8.8		--		28		95		190		674.46		16.44	7.9	431	10
P-3-41744	P-3	4/15/2014	--		--		1.1		--		500		--		23,000		--		--		3.3		0.052		9,100		20		--		0.0013		--		--		--		--		160		--		10		--		20		95		290		674.35		16.55	8	340	10

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO2 + NO3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	µmhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
		Wisconsin PAL:	0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
		Wisconsin ES:	**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**
P-4-37075	P-4	7/3/2001	--		--		<0.6	U	91		91		<0.17	U	190,000		<0.4	U	<0.8	U	**3,200**		<0.9	U	85,000		200		<0.18	U	--		<1.2	U	<0.17	U	--		<3.2	U	340		31		2.8		--		**400**		820		**1,170**		672.08		16.42	7.1	1,426	11
P-4-37264	P-4	1/8/2002	--		--		0.7		--		91		--		--		--		--		**3,300**		--		--		160		--		--		--		--		<3.4	U	--		--		--		--		0.1		**397**		--		--		671.51		16.99	6.9	1,371	10.5
P-4-37453	P-4	7/16/2002	--		--		0.8		64		81		<0.12	U	180,000		<0.21	U	<0.9	U	**3,600**		<0.7	U	88,000		150		<0.19	U	--		<1.1	U	<0.1	U	<2	U	4.7		370		30		<2.4	U	0.37		**399**		810		**1,020**		671.25		17.25	6.9	1,341	12
P-4-38112	P-4	5/5/2004	--		--		<0.5	U	--		89		--		190,000		--		--		**4,000**		<1.4	U	82,000		130		<0.17	U	--		--		--		--		--		370		--		4		--		**400**		810		990		671.51		16.99	7.1	699	11
P-4-38475	P-4	5/3/2005	--		--		<1.3	U	--		84		--		190,000		--		--		**3,900**		0.63		79,000		130		<0.17	U	--		--		--		--		--		320		--		<5	U	--		**418**		800		990		671.79		16.71	6.8	1,298	10.5
P-4-38860	P-4	5/23/2006	--		--		0.43		--		90		--		190,000		--		--		**4,400**		0.2		73,000		120		<0.011	U	--		--		--		--		--		370		--		3		--		**436**		780		**1,100**		671.61		16.89	6.8	1,297	11
P-4-39092	P-4	1/10/2007	--		--		<0.53	U	--		89		--		190,000		--		--		**4,400**		0.065		84,000		120		<0.0055	U	--		--		--		--		--		370		--		6.5		--		**490**		820		**1,200**		671.92		16.58	7.1	1,441	10.5
P-4-39184	P-4	4/12/2007	--		--		0.69		--		85		--		180,000		--		--		**4,200**		0.07		89,000		120		<0.012	U	--		--		--		--		--		380		--		4.4		--		**510**		820		**1,200**		672.81		15.69	6.9	1,432	10.5
P-4-39287	P-4	7/24/2007	--		--		0.7		--		120		--		230,000		--		--		**4,300**		<0.039	U	110,000		150		<0.0012	U	--		--		--		--		--		370		--		3.7		--		**530**		1,000		**1,200**		671.34		17.16	7.2	1,490	11
P-4-39373	P-4	10/18/2007	--		--		0.74		--		110		--		220,000		--		--		**4,500**		<0.039	U	100,000		140		--		<0.001	U	--		--		--		--		370		--		2.6		--		**560**		960		**1,200**		672.22		16.28	7.1	1,463	11
P-4-39470	P-4	1/23/2008	--		--		0.21		--		97		--		210,000		--		--		**4,400**		<0.015	U	92,000		130		<0.001	U	--		--		--		--		--		370		--		4.8		--		**530**		900		**1,200**		672.29		16.21	6.9	1,445	10.5
P-4-39561	P-4	4/23/2008	--		--		<0.34	U	--		133		--		300,000		--		--		**4,400**		<0.015	U	100,000		170		<0.001	U	--		--		--		--		--		320		--		<3.3	U	--		**550**		1,200		**1,300**		673.5		15	7.1	1,600	11.5
P-4-39644	P-4	7/15/2008	--		--		0.22		--		110		--		220,000		--		--		**4,700**		0.043		110,000		130		<0.0012	U	--		--		--		--		--		370		--		6.5		--		**560**		1,000		**1,300**		672.71		15.79	7.2	1,620	11
P-4-39730	P-4	10/9/2008	--		--		<0.34	U	--		99		--		190,000		--		--		**4,600**		0.13		92,000		120		0.001		--		--		--		--		--		370		--		<3.3	U	--		**510**		850		**1,200**		672.08		16.42	6.9	1,540	10.5
P-4-39835	P-4	1/22/2009	--		--		0.2		--		93		--		190,000		--		--		**4,800**		0.088		95,000		120		<0.0005	U	--		--		--		--		--		380		--		<2.5	U	--		**520**		870		**1,200**		672.52		15.98	7.6	1,690	10
P-4-39912	P-4	4/9/2009	--		--		0.39		--		150		--		290,000		--		--		**5,000**		<0.048	U	140,000		180		<0.0005	U	--		--		--		--		--		380		--		<2.5	U	--		**560**		1,300		**1,200**		673.17		15.33	7.1	1,620	10
P-4-40008	P-4	7/14/2009	--		--		0.31		--		93		--		260,000		--		--		**4,600**		0.095		91,000		150		--		<0.0005	U	--		--		--		--		380		--		<2.5	U	--		**580**		1,000		**1,300**		673.1		15.4	7.4	1,670	10.5
P-4-40106	P-4	10/20/2009	--		--		0.85		--		96		--		210,000		--		--		**4,800**		<0.017	U	97,000		170		--		0.00059		--		--		--		--		370		--		5.5		--		**550**		920		**1,300**		671.8		16.7	7.2	1,590	10
P-4-40192	P-4	1/14/2010	--		--		<0.34	U	--		100		--		210,000		--		--		**4,700**		0.051		98,000		200		--		<0.00057	U	--		--		--		--		380		--		3.6		--		**560**		930		**1,200**		672.54		15.96	7.3	1,580	10
P-4-40281	P-4	4/13/2010	--		--		0.4		--		100		--		210,000		--		--		**4,600**		0.042		99,000		200		--		<0.00057	U	--		--		--		--		350		--		<2.4	U	--		**540**		930		**1,200**		673.47		15.03	7.3	1,600	10
P-4-40379	P-4	7/20/2010	--		--		0.36		--		96		--		220,000		--		--		**4,800**		0.017		100,000		150		--		<0.0005	U	--		--		--		--		380		--		<2.4	U	--		**560**		960		**1,200**		673.12		15.38	7.5	1,640	11
P-4-40477	P-4	10/26/2010	--		--		<0.4	U	--		96		--		230,000		--		--		**5,000**		<0.049	U	98,000		120		--		<0.00058	U	--		--		--		--		370		--		<1.3	U	--		**590**		980		**1,300**		672.37		16.13	7.5	1,700	11
P-4-40661	P-4	4/28/2011	--		--		<0.4	U	--		95		--		220,000		--		--		**5,000**		<0.049	U	100,000		130		--		<0.0014	U	--		--		--		--		340		--		<1.3	U	--		**590**		960		**1,300**		673.97		14.53	7.1	1,560	10.5
P-4-41100	P-4	7/10/2012	--		--		<0.36	U	--		97		--		240,000		--		--		**5,300**		<0.028	U	100,000		150		--		<0.00076	U	--		--		--		--		370		--		7		--		**620**		1,000		**1,300**		671.42		17.08	7.2	1,520	11.5
P-4-41373	P-4	4/9/2013	--		--		0.49		--		99		--		230,000		--		--		**5,200**		<0.034	U	100,000		140		--		<0.00044	U	--		--		--		--		380		--		<3.8	U	--		**630**		990		**1,300**		672.76		15.74	7.2	1,680	9.5
P-4-41745	P-4	4/16/2014	--		--		1.7		--		100		--		230,000		--		--		**5,300**		0.068		110,000		140		--		<0.001	U	--		--		--		--		360		--		<2.8	U	--		**630**		1,000		**1,300**		672.65		15.85	7.3	1,740	10.5
P-4-42103	P-4	4/9/2015	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		**600**		--		--		672.65		15.85	7.2	1,650	10.5
P-4-42103-Dup	P-4	4/9/2015	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		**610**		--		--		--		--	7.3	1,660	10.5
P-4-42837	P-4	4/12/2017	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		**540**		--		--		673.95		14.55	7.2	1,710	10
P-4-43208	P-4	4/18/2018	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		**520**		--		--		673.2		15.3	6.93	1,802.5	8.98
P-4-43572	P-4	4/17/2019	--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		--		**480**		--		--		674.16		14.34	7.1	2,246	11

Total Number of Samples Analyzed:	7	7	317	62	317	62	295	62	62	317	313	295	317	193	118	62	62	26	62	312	62	310	26	381	313	313	353	374	387	387	387
Number of Detections:	6	6	244	62	315	4	292	6	17	299	178	293	310	24	14	10	9	1	40	310	62	182	25	378	310	310	353	374	387	387	387
Min:	0.0057	0.021	0.18	16	10	0.05	19,000	0.21	0.7	1.3	0.017	2.1	0.22	0.00051	0.00053	0.7	0	4.1	4.7	150	0.81	2	0.03	8	79	120	655.7401	5.64	6.4	317	6.5
Max:	0.045	0.24	17	150	710	0.15	350,000	1.5	7.9	17,000	3.7	160,000	1,500	0.22	0.0031	1.8	0.08	4.1	79	1,300	133	67	2	880	1,500	2,000	682.44	35.16	9.2	3,360	95
Wisconsin PAL:	**0.02**	**0.02**	**1**	**400**	**200**	**0.5**	**NS**	**10**	**130**	**150**	**1.5**	**NS**	**60**	**0.2**	**0.2**	**10**	**10**	**6**	**2,500**	**NS**	**NS**	**NS**	**2**	**125**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
umber of Samples that Meet or Exceed WI PAL:	3	6	179	0	156	0	0	0	0	247	6	0	216	1	0	0	0	0	0	0	0	0	0	234	0	0	0	0	0	0	0
Wisconsin ES:	**0.2**	**0.2**	**10**	**2,000**	**1,000**	**5**	**NS**	**100**	**1,300**	**300**	**15**		**300**	**2**	**2**	**50**	**50**	**30**	**5,000**	**NS**	**NS**	**NS**	**10**	**250**		**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
Number of Samples that Meet or Exceed WI ES:	0	2	10	0	0	0	0	0	0	222	0	0	56	0	0	0	0	0	0	0	0	0	0	190	0	0	0	0	0	0	0

[O:CMD 2/6/20, C:CMD 2/6/20]

Underlined	concentration that attains or exceeds WDNR PAL
Bold	concentration that attains or exceeds WDNR ES

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.

-- = Analysis not performed
WDNR = Wisconsin Department of Natural Resources
U = Concentration was not detected above the reported limit
s.u. = standard units
RNA = Remediation by Natural Attenuation (lab and field)
PAL = Preventive Action Limit
PAH = Polycyclic Aromatic Hydrocarbon

Table 1 - Groundwater Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			PAH		PAH		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Metal		Inorganic		Inorganic		Inorganic		Inorganic		Inorganic		GEO		GEO		Field Param		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Benzo(a)pyrene		Chrysene		Arsenic, Dissolved		Barium, Dissolved		Boron, Dissolved		Cadmium, Dissolved		Calcium, Dissolved		Chromium, Dissolved		Copper, Dissolved		Iron, Dissolved		Lead, Dissolved		Magnesium, Dissolved		Manganese, Dissolved		Mercury, Dissolved		Mercury, Total		Selenium, Dissolved		Silver, Dissolved		Vanadium, Dissolved		Zinc, Dissolved		Alkalinity, Dissolved		Chloride, Dissolved		COD		Nitrogen, NO_2 + NO_3, Total		Sulfate, Dissolved		Hardness, Dissolved		Solids, Total Dissolved		Elevation, Groundwater (Feet Above Mean Sea Level)		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
Reporting Units:			µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		µg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		mg/L		Feet		Feet	s.u.	romhos/	Deg C
			Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Resul	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Result	Result	Result
Wisconsin PAL:			0.02		0.02		1		400		200		0.5		NS		10		130		150		1.5		NS		60		0.2		0.2		10		10		6		2,500		NS		NS		NS		2		125		NS		NS		NS		NS	NS	NS	NS
Wisconsin ES:			**0.2**		**0.2**		**10**		**2,000**		**1,000**		**5**		**NS**		**100**		**1,300**		**300**		**15**		**NS**		**300**		**2**		**2**		**50**		**50**		**30**		**5,000**		**NS**		**NS**		**NS**		**10**		**250**		**NS**		**NS**		**NS**		**NS**	**NS**	**NS**	**NS**

mg/L = milligrams per liter
NS = A groundwater quality standard has not been established.
NO2 + NO3 = nitrite plus nitrate
J = Estimated Concentration
GEO = Geotechnical Property
ES = Enforcement Standard
Dup = Quality Control Field Duplicate Sample
Deg C = degrees Celsius
µS/cm = microsiemens per centimeter (aka micromhos per centimeter)
µg/L = micrograms per liter (equivalent to parts per billion - ppb)
< = Concentration is less than reported limit

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

TABLE 2A

SUMMARY OF POST-LINER REMOVAL SOIL SAMPLE FIELD OBSERVATION

COAL PILE RUNOFF BASIN ABANDONMENT
Pleasant Prairie Power Plant
Pleasant Prairie, Wisconsin

Sample ID	Sample Collection Date	Sample Depth (feet, bgs)	PID (ppm)	Soil Classification
SS-01	1/16/2019	0-0.5	4.0	gray/black CLAY (FILL), moist
SS-02	1/16/2019	0-0.5	< 1	brown/dark gray CLAY (FILL), moist, trace gravel
SS-03	1/16/2019	0-0.5	1.4	brown/dark gray CLAY (FILL), moist, trace gravel
SS-04	1/16/2019	0-0.5	< 1	brown/dark gray CLAY (FILL), moist, trace gravel
SS-05	1/16/2019	0-0.5	< 1	brown/dark gray CLAY (FILL), moist, trace gravel
SS-06	1/16/2019	0-0.5	< 1	brown/grayish brown CLAY (FILL), moist, trace to few gravel
SS-07	1/16/2019	0-0.5	< 1	gray/black CLAY (FILL), moist, trace gravel
SS-08	1/16/2019	0-0.5	1.1	gray/brown CLAY (FILL), moist, few sand, trace gravel
SS-09	1/16/2019	0-0.5	< 1	gray CLAY, moist, few sand, trace gravel
SS-10	1/16/2019	0-0.5	< 1	gray/grayish brown CLAY, moist, few sand, trace gravel
SS-11	1/16/2019	0-0.5	< 1	brown/grayish brown CLAY (FILL), moist, few sand, trace gravel
SS-12	1/16/2019	0-0.5	< 1	brown/grayish brown CLAY, moist, few sand, trace gravel
SS-13	1/16/2019	0-0.5	< 1	grayish brown CLAY (FILL), moist, few sand, trace gravel
SS-14	1/16/2019	0-0.5	< 1	grayish brown CLAY, moist, few sand, trace gravel
SS-15	1/16/2019	0-0.5	< 1	dark gray CLAY with GRAVEL (FILL), moist, few sand
SS-16	1/16/2019	0-0.5	< 1	black/brown/gray CLAY (FILL), moist, few sand, trace to few gravel

Notes:

bgs - below ground surface

PID - photoionization detector VOC field screening instrument

ppm - parts per million

VOC - volatile organic compound

TABLE 2B
SUMMARY OF POST-LINER REMOVAL SOIL SAMPLE LABORATORY ANALYTICAL RESULTS
COAL PILE RUNOFF BASIN ABANDONMENT
Pleasant Prairie Power Plant
Pleasant Prairie, Wisconsin

Sample ID	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-06 DUP	SS-07	SS-08	WDNR Soil RCL			WDNR BTV
Sample Collection Date	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	Direct Contact		Groundwater Protection (DF=2)	
Sample Depth (feet, bgs)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	Non-Industrial	Industrial		
Metals (mg/kg)													
Arsenic	6.9	7.5	8.5	8.0	10.2	8.0	8.4	8.6	7.1	0.677	3	0.584	8
Cadmium	0.17 J	< 0.12	< 0.11	< 0.11	< 0.12	< 0.11	< 0.11	< 0.12	< 0.12	71.1	985	0.752	1
Chromium, trivalent	22.2 J	22.5 J	27.5 J	22.1 J	23.2 J	22.5 J	19.6 J	19.7 J	23.0 J	100000	100000	--	44
Chromium, hexavalent	< 2.56	< 2.57	< 2.59	< 2.53	< 2.57	< 2.58	< 2.52	< 2.63	< 2.52	0.301	6.36	--	
Copper	20.4	20.4	23.0	23.2	23.8	31.3	22.3	21.6	17.7	3130	46700	91.6	35
Iron	20500	20400	24400	20200	21900	19700	19100	19800	23200	54800	100000	--	34314
Lead	10.3	10.6	14.0	11.8	14.9	11.6	10.9	11.9	12.4	400	800	27	52
Manganese	575	551	578	498	559	527	578	505	365	1830	25900	39.1244	2937
Sulfate	252	296	272	155	142	139	209	253	186	--	--	--	--
Zinc	60.9	61.0	66.7	59.7	64.2	438	46.7	61.6	64.3	23500	100000	--	150
VOCs (ug/kg)	ND	--	ND	--	--	--	--	--	ND	--	--	--	--

Sample ID	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15	SS-16	WDNR Soil RCL			WDNR BTV
Sample Collection Date	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	1/16/2019	Direct Contact		Groundwater Protection (DF=2)	
Sample Depth (feet, bgs)	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	Non-Industrial	Industrial		
Metals (mg/kg)												
Arsenic	6.7	7.5	10.6	7.2	8.8	8.9	9.7	8.5	0.677	3	0.584	8
Cadmium	< 0.11	< 0.11	< 0.12	< 0.11	0.24 J	< 0.12	0.12 J	0.17 J	71.1	985	0.752	1
Chromium, trivalent	19.4 J	20.6 J	26.1 J	20.2 J	20.2 J	11.8 J	19.7 J	16.8 J	100000	100000	--	44
Chromium, hexavalent	< 2.50	< 2.54	< 2.61	< 2.53	< 2.57	6.56 J	< 2.52	< 2.61	0.301	6.36	--	
Copper	18.9	18.7	27.0	19.0	29.6	21.0	29.9	20.7	3130	46700	91.6	35
Iron	18800	21900	24600	18100	21300	19800	22000	18300	54800	100000	--	34314
Lead	9.6	14.2	14.1	10.7	13.3	11.0	16.2	11.7	400	800	27	52
Manganese	494	387	618	523	544	579	446	498	1830	25900	39.1244	2937
Sulfate	235	97.9	234	137	160	129	376	313	--	--	--	--
Zinc	42.7	59.1	64.8	54.5	70.0	58.1	74.8	62.8	23500	100000	--	150
VOCs (ug/kg)	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

-- - not analyzed, not established or not applicable
bgs - below ground surface
BTV - background threshold value
DF - dilution factor
DUP - duplicate
J - estimated concentration at or above the limit of detection and below the limit of quantitation
mg/kg - milligrams per kilogram
ND - not detected (refer to laboratory report for detection limits)
RCL - residual contaminant level (June 2018)
ug/kg - micrograms per kilogram
VOCs - volatile organic compounds
WDNR - Wisconsin Department of Natural Resources

Table 3 - Surface Water Analytical Results

Pleasant Prairie Power Plant
We Energies
Pleasant Prairie, Wisconsin

			Inorganic		RNA	RNA	RNA	RNA
9-Digit Code	Sample Location	Sample Date	Sulfate, Dissolved		Groundwater, depth to	pH, Field	Specific Conductance, Field	Temperature, Water
		Reporting Units:	mg/L		Feet	s.u.	micromhos/cm	Deg C
			Result	Flag	Result	Result	Result	Result
LAEast-38860	LAEast	5/23/2006	**446**		--	--	--	--
LAEast-39092	LAEast	1/10/2007	**440**		0	7.9	1,173	1.5
LAEast-39184	LAEast	4/12/2007	**430**		--	7.3	1,109	5.5
LAEast-39287	LAEast	7/24/2007	**430**		--	7.8	1,130	24.5
LAEast-39372	LAEast	10/17/2007	**440**		0	7.5	1,108	16.5
LAEast-39470	LAEast	1/23/2008	**420**		0	7.4	1,152	0
LAEast-39562	LAEast	4/24/2008	**390**		--	7.9	1,143	13.5
LAEast-39644	LAEast	7/15/2008	**380**		--	8	1,132	24
LAEast-39729	LAEast	10/8/2008	**400**		--	7.9	1,124	15
LAEast-39912	LAEast	4/9/2009	**350**		--	8.2	1,098	9
LAEast-40008	LAEast	7/14/2009	**340**		--	8.4	1,080	22
LAEast-40281	LAEast	4/13/2010	**360**		--	8.3	1,266	10.5
LAEast-40379	LAEast	7/20/2010	**340**		--	8.4	1,244	25.5
LAEast-40660	LAEast	4/27/2011	**340**		--	8.1	1,119	10
LAEast-41101	LAEast	7/11/2012	**370**		--	8.2	1,142	26.5
LAEast-41374	LAEast	4/10/2013	**340**		--	8.1	1,224	6.5
LAEast-41745	LAEast	4/16/2014	**330**		--	8.2	1,218	8
LakeAndreaB-39184	LakeAndreaB	4/12/2007	**420**		--	7.7	1,108	6
LAWest-38860	LAWest	5/23/2006	**447**		--	--	--	--
LAWest-39092	LAWest	1/10/2007	**440**		0	7.6	1,168	1.5
LAWest-39184	LAWest	4/12/2007	**430**		--	7.6	1,116	5.5
LAWest-39287	LAWest	7/24/2007	**390**		--	7.9	1,173	24.5
LAWest-39372	LAWest	10/17/2007	**460**		0	7.9	1,124	16.5
LAWest-39470	LAWest	1/23/2008	**420**		0	7.8	1,162	0
LAWest-39562	LAWest	4/24/2008	**390**		--	7.1	1,146	13.5
LAWest-39644	LAWest	7/15/2008	**380**		--	7.4	1,135	23
LAWest-39729	LAWest	10/8/2008	**400**		--	7.1	1,124	16
LAWest-39912	LAWest	4/9/2009	**350**		--	7.6	1,102	7
LAWest-40008	LAWest	7/14/2009	**350**		--	8.3	1,079	22.5
LAWest-40281	LAWest	4/13/2010	**360**		--	8	1,259	10.5
LAWest-40379	LAWest	7/20/2010	**340**		--	8.3	1,241	26.5
LAWest-40660	LAWest	4/27/2011	**340**		--	8	1,173	9.5
LAWest-41101	LAWest	7/11/2012	**370**		--	8.2	1,147	21.5
LAWest-41374	LAWest	4/10/2013	**330**		--	7.9	1,416	6.5
LAWest-41745	LAWest	4/16/2014	**330**		--	8.2	1,227	8
SG-1A-39286	SG-1A	7/23/2007	--		27.8	--	--	--
SG-1A-39561	SG-1A	4/23/2008	--		16.85	--	--	--
SG-1A-39643	SG-1A	7/14/2008	--		18.1	--	--	--
SG-1A-39729	SG-1A	10/8/2008	--		22.41	--	--	--
SG-1A-40007	SG-1A	7/13/2009	--		6.52	--	--	--
SG-2-39286	SG-2	7/23/2007	--		9.85	--	--	--
SG-2-39561	SG-2	4/23/2008	--		10.25	--	--	--
SG-2-39643	SG-2	7/14/2008	--		9.91	--	--	--
SG-2-39729	SG-2	10/8/2008	--		8.05	--	--	--
SG-2-39911	SG-2	4/8/2009	--		7.8	--	--	--
SG-2-40007	SG-2	7/13/2009	--		9.4	--	--	--
SG-3-39286	SG-3	7/23/2007	--		7.2	--	--	--
SG-3-39561	SG-3	4/23/2008	--		7.2	--	--	--
SG-3-39643	SG-3	7/14/2008	--		7.37	--	--	--
SG-3-39729	SG-3	10/8/2008	--		5.51	--	--	--
SG-3-39911	SG-3	4/8/2009	--		18.25	--	--	--
SG-31-39911	SG-31	4/8/2009	--		5.29	--	--	--

[O:CMD 2/6/20, C:CMD 2/6/20]

Underlined	concentration that attains or exceeds WDNR PAL
Bold	concentration that attains or exceeds WDNR ES

PAL and ES from WI Administrative Code NR 140 groundwater quality standard revised effective February 2017.

-- = Analysis not performed
WDNR = Wisconsin Department of Natural Resources
U = Concentration was not detected above the reported limit
s.u. = standard units
RNA = Remediation by Natural Attenuation (lab and field)
PAL = Preventive Action Limit
PAH = Polycyclic Aromatic Hydrocarbon
mg/L = milligrams per liter
NS = A groundwater quality standard has not been established.
NO2 + NO3 = nitrite plus nitrate
J = Estimated Concentration
GEO = Geotechnical Property
ES = Enforcement Standard
Dup = Quality Control Field Duplicate Sample
Deg C = degrees Celsius
µS/cm = microsiemens per centimeter (aka micromhos per centimeter)
µg/L = micrograms per liter (equivalent to parts per billion - ppb)
< = Concentration is less than reported limit

Lab comments, additional data qualifiers and definitions can be found in associated laboratory reports.

ATTACHMENT A

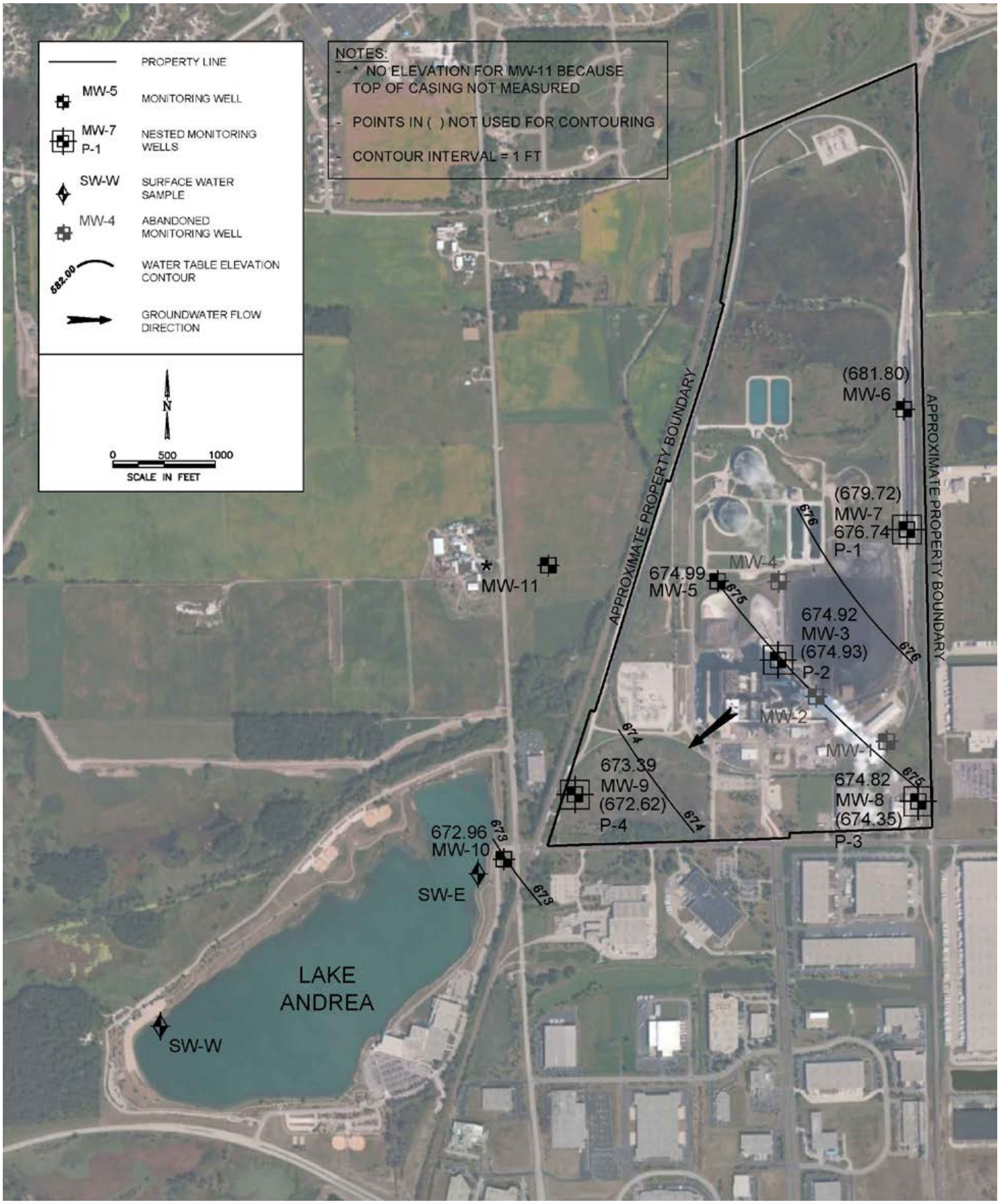


Figure 1. Site map showing current monitoring locations and groundwater elevations in April 2014. MW6, MW7, P3, and P4 were not used for contouring because they are screened in clay; MW3 was used instead of P2 for contouring because MW3 is closer to the water table; and MW11 was not used for contouring because the top of casing elevation was not surveyed.

ATTACHMENT B

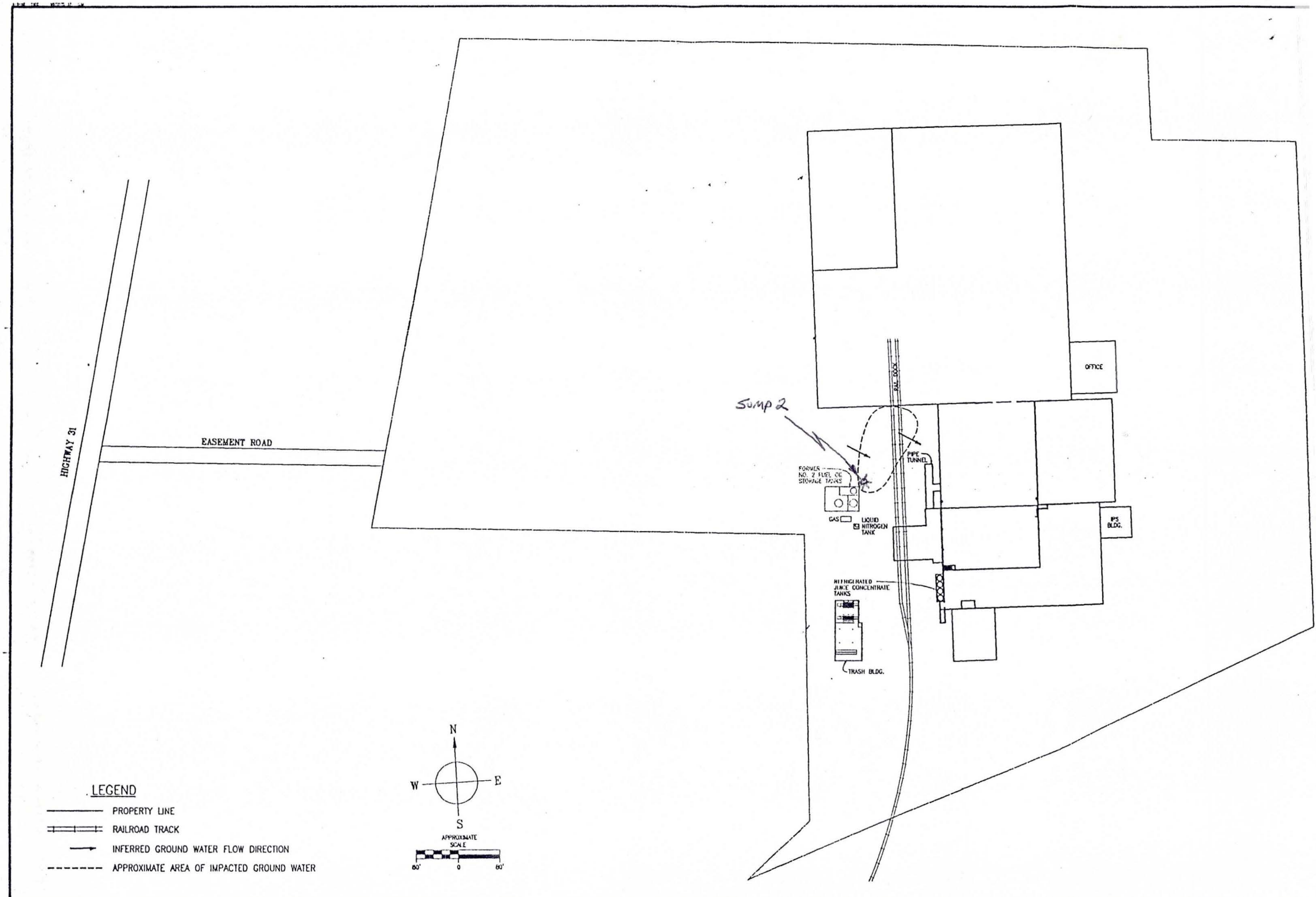
Table B-1 - Groundwater Analytical Results

BRRTS#: 02-30-107682

Ocean Spray

Pleasant Prairie, Wisconsin

Well ID	Date	Iron (ug/L)	Sulfate (mg/L)
MW-1	3/14/1997	458	648
MW-1	6/17/1997	235	870
MW-1	9/3/1997	<50.0	734
MW-1	12/3/1997	298	730
MW-2	3/14/1997	425	264
MW-2	6/17/1997	243	318
MW-2	9/3/1997	<50.0	289
MW-2	12/3/1997	359	252



LEGEND

PROPERTY LINE
RAILROAD TRACK
INFERRED GROUND WATER FLOW DIRECTION
APPROXIMATE AREA OF IMPACTED GROUND WATER

TRIAD ENGINEERING INCORPORATED
325 East Chicago Street
Milwaukee, Wisconsin 53202
(414)-291-8840
FAX 291-8841

- MUNICIPAL ENGINEERING
- INDUSTRIAL PROCESSES
- REMEDIATION SERVICES
- ENVIRONMENTAL STUDIES
- AIR EMISSIONS ASSISTANCE
- WASTEWATER PRETREATMENT
- ENVIRONMENTAL COMPLIANCE
- CONSTRUCTION MANAGEMENT
- HAZARDOUS MATERIALS MANAGEMENT
- INFRASTRUCTURE SERVICES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST

DSGN
DR GJM
CHK

OCEAN SPRAY CRANBERRIES
7800 60TH AVENUE

PLANT LAYOUT AND PROPERTY BOUNDAR
NATURAL ATTENUATION MONITORING

TABLE 3
REMEDIATION BY NATURAL ATTENUATION INDICATOR MEASUREMENTS
OCEAN SPRAY CRANBERRIES, INC.
7800 60TH AVENUE
KENOSHA, WISCONSIN

Monitoring Location		MW-1				MW-2			
Date Sampled		3/14/97	6/17/97	9/3/97	12/3/97	3/14/97	6/17/97	9/3/97	12/3/97
Lab		SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI
Lab ID:	Units	97-A020067	97-A049203	97-AO74110	97-A109499	97-A020068	97-A049204	97-AO74111	97-A109500
Temperature	°C	7.2	9.85	13.69	10.83	6.83	9.66	14.32	11.57
DO	mg/L	3	4.82	5.03	2.16	3.87	3.68	2.79	1.15
Specific Conductance	µmhos/cm	1902	2225	1672	1486	1183	1557	1162	1023
pH		6.82	7.00	7.08	7.12	6.94	7.09	7.16	7.12
TDS	g/L	1.218	1.427	1.071	0.951	0.757	0.995	0.744	0.654
ORP	mv	383	458	419	409	370	455	219	400
CO_2	mg/L	NA	152.8	162	NA	NA	98.6	114	NA
Iron (dissolved)	µg/L	458	235	<50.0	298	425	243	<50.0	359
Manganese (dissolved)	µg/L	41	<15.0	<15.0	<15.0	21	<15.0	<15.0	<15.0
Nitrate-N	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sulfate (total)	mg/L	648	870	734	730	264	318	289	252
Alkalinity	mg/L	340	300	339	343	402	351	424	463
Methane	µg/L	NA	<26.0	<26.0	<26	NA	<26.0	<26.0	<26

Notes:

°C - Degrees celsius
DO - Dissolved oxygen
TDS - Total dissolved solids
ORP - Oxygen-reduction potential
mg/L - Milligrams per liter
µg/mL - Micrograms per milliliter
µmhos/cm - Micromhos per centimeter
g/L - Grams per liter
mv - Millivolts
NM - Not measured; Parameters were not measured due to the presence of free product.
* - A CO_2 measurement could not be determined due to the color and turbidity of the sample.
NA - Not analzed
SAI - Specialized Assays, Incorporated.
2960 Foster Creighton Drive
Nashville, Tennesse 37204-0566
WDNR Certification No. 998020430

TABLE 3
REMEDIATION BY NATURAL ATTENUATION INDICATOR MEASUREMENTS
OCEAN SPRAY CRANBERRIES, INC.
7800 60TH AVENUE
KENOSHA, WISCONSIN

Monitoring Location		MW-3				MW-4			
Date Sampled		3/14/97	6/17/97	9/3/97	12/3/97	3/14/37	6/17/97	9/3/97	12/3/97
Lab		SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI
Lab ID:	Units	97-A020069	97049205	97-AO74112	97-A109501	97-A020070	97-A049206	97-AO74113	97-A109502
Temperature	^oC	6.78	12.02	15.92	13.22	5.6	14.98	16.19	12.55
DO	mg/L	4.13	3.57	1.25	0.38	NM	4.39	2.51	0.5
Specific Conductance	µmhos/cm	1080	1389	1054	984	1080	41	1192	1024
pH		6.83	7.06	7.00	7.01	6.8	6.67	6.96	7.14
TDS	g/L	6.92	0.884	0.674	0.631	NM	0.026	0.763	0.656
ORP	mv	370	461	417	408	NM	410	167	153
CO_2	mg/L	NA	93.4	*	NA	*	114.4	133	NA
Iron (dissolved)	µg/L	463	708	76	347	501	665	125	2,500
Manganese (dissolved)	µg/L	471	396	192	136	2,290	3,280	4,560	3,510
Nitrate-N	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sulfate (total)	mg/L	142	178	189	195	48.5	79.8	14.1	<5.0
Alkalinity	mg/L	443	364	461	478	470	424	572	598
Methane	µg/L	NA	<26.0	41	<26	NA	4,000	8,600	6,450

Notes:

^oC - Degrees celsius
DO - Dissolved oxygen
TDS - Total dissolved solids
ORP - Oxygen-reduction potential
mg/L - Milligrams per liter
µg/mL - Micrograms per milliliter
µmhos/cm - Micromhos per centimeter
g/L - Grams per liter
mv - Millivolts
NM - Not measured; Parameters were not measured due to the presence of free product.
* - A CO_2 measurement could not be determined due to the color and turbidity of the sample.
NA - Not analzed
SAI - Specialized Assays, Incorporated.
2960 Foster Creighton Drive
Nashville, Tennesse 37204-0566
WDNR Certification No. 998020430

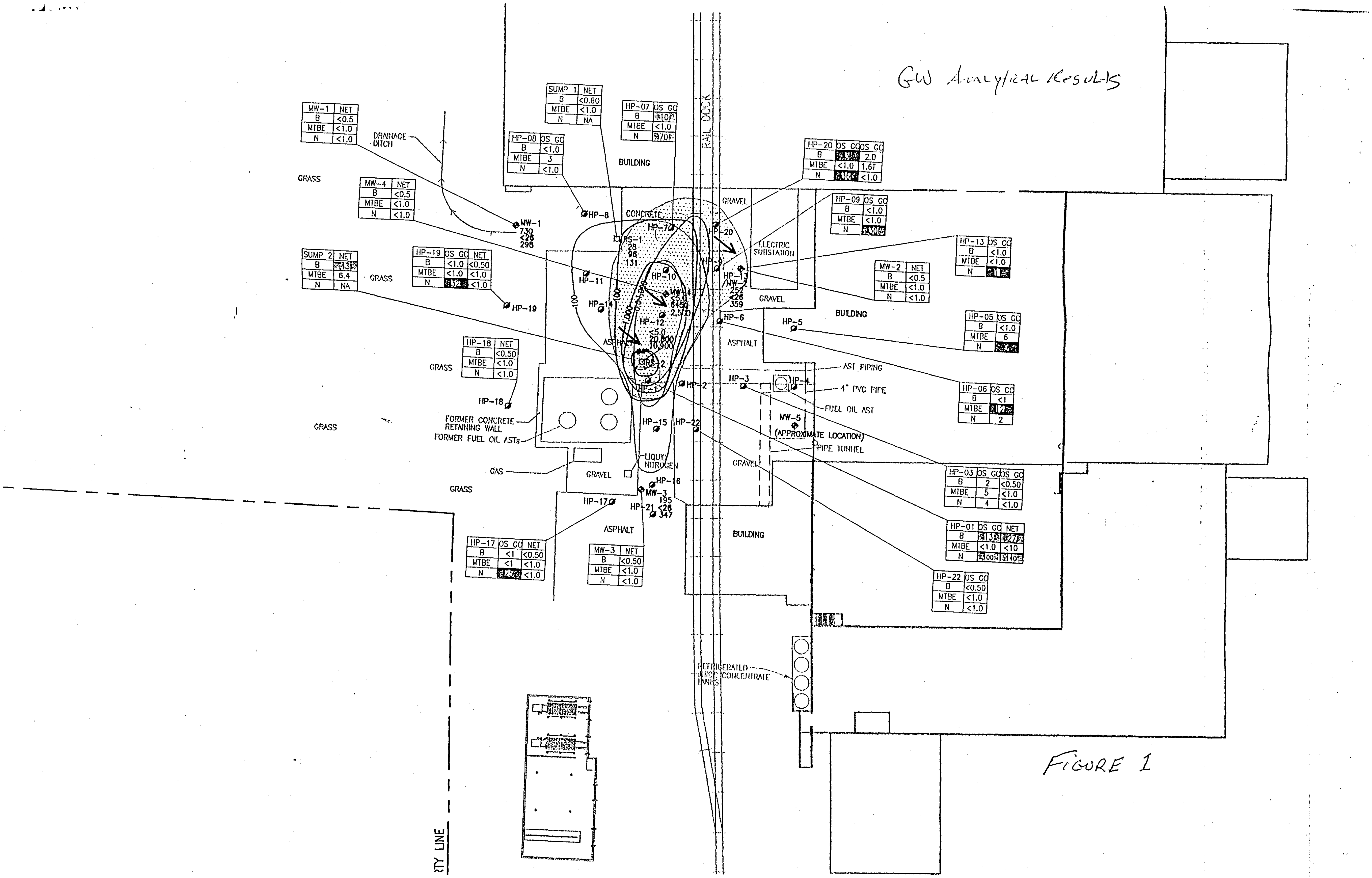
TABLE 3
REMEDIATION BY NATURAL ATTENUATION INDICATOR MEASUREMENTS
OCEAN SPRAY CRANBERRIES, INC.
7800 60TH AVENUE
KENOSHA, WISCONSIN

Monitoring Location		Sump 1 (RS-1)				Sump 2(RS-2)			
Date Sampled		3/14/97	6/17/97	9/3/97	12/3/97	3/14/97	6/17/97	9/3/97	12/3/97
Lab		SAI	SAI	SAI	SAI	SAI	SAI	SAI	SAI
Lab ID:	Units	97-A020071	97-A049207	97-AO74114	97-A109503	97-A020072	97-A049207	97-AO74115	97-A109504
Temperature	^oC	6.3	15.93	17.11	8.38	5.2	15.95	19.12	12.37
DO	mg/L	NM	0.52	1.72	1.46	NM	0.30	1.28	0.53
Specific Conductance	µmhos/cm	1710	1194	19539	16317	620	7,470	7,881	6380
pH		7.8	7.15	6.76	6.69	8.1	6.8	6.94	6.82
TDS	g/L	NM	0.857	12.47	10.68	NM	4.827	5.052	4.109
ORP	mv	NM	385	149	212	NM	155	137	154
CO_2	mg/L	NA	24.4	51	NA	NA	*	47	NA
Iron (dissolved)	µg/L	782	202	19,400	131	244	5,260	4,360	10,900
Manganese (dissolved)	µg/L	155	24	795	81.0	<15	223.0	230.0	188.0
Nitrate-N	mg/L	<0.10	0.25	<0.10	0.21	<0.10	<0.10	<0.10	<0.10
Sulfate (total)	mg/L	29.8	18.0	<5.0	28.0	11.5	<5.0	<5.0	<5.0
Alkalinity	mg/L	81	45.4	355	88.4	59.4	261	323	442
Methane	µg/L	NA	1,000	22,600	96	NA	13,000	38,800	20,800

Notes:

^oC - Degrees celsius
DO - Dissolved oxygen
TDS - Total dissolved solids
ORP - Oxygen-reduction potential
mg/L - Milligrams per liter
µg/mL - Micrograms per milliliter
µmhos/cm - Micromhos per centimeter
g/L - Grams per liter
mv - Millivolts
NM - Not measured; Parameters were not measured
due to the presence of free product.
* - A CO_2 measurement could not be determined due to the
color and turbidity of the sample.
NA - Not analzed
SAI - Specialized Assays, Incorporated.
2960 Foster Creighton Drive
Nashville, Tennesse 37204-0566
WDNR Certification No. 998020430

GW Analytical Results



MW-1	NET
B	<0.5
MTBE	<1.0
N	<1.0

SUMP 1	NET
B	<0.80
MTBE	<1.0
N	NA

HP-08	OS GC
B	<1.0
MTBE	3
N	<1.0

HP-07	OS GC
B	10
MTBE	<1.0
N	70

MW-4	NET
B	<0.5
MTBE	<1.0
N	<1.0

SUMP 2	NET
B	43
MTBE	6.4
N	NA

HP-19	OS GC	NET
B	<1.0	<0.50
MTBE	<1.0	<1.0
N	32	<1.0

HP-20	OS GC	OS GC
B	[illegible]	2.0
MTBE	<1.0	1.6T
N	[illegible]	<1.0

HP-09	OS GC
B	<1.0
MTBE	<1.0
N	300

HP-13	OS GC
B	<1.0
MTBE	<1.0
N	10

MW-2	NET
B	<0.5
MTBE	<1.0
N	<1.0

HP-05	OS GC
B	<1.0
MTBE	6
N	[illegible]

HP-18	NET
B	<0.50
MTBE	<1.0
N	<1.0

HP-06	OS GC
B	<1
MTBE	12
N	2

HP-03	OS GC	OS GC
B	2	<0.50
MTBE	5	<1.0
N	4	<1.0

HP-01	OS GC	NET
B	13	27
MTBE	<1.0	<10
N	100	140

HP-17	OS GC	NET
B	<1	<0.50
MTBE	<1	<1.0
N	25	<1.0

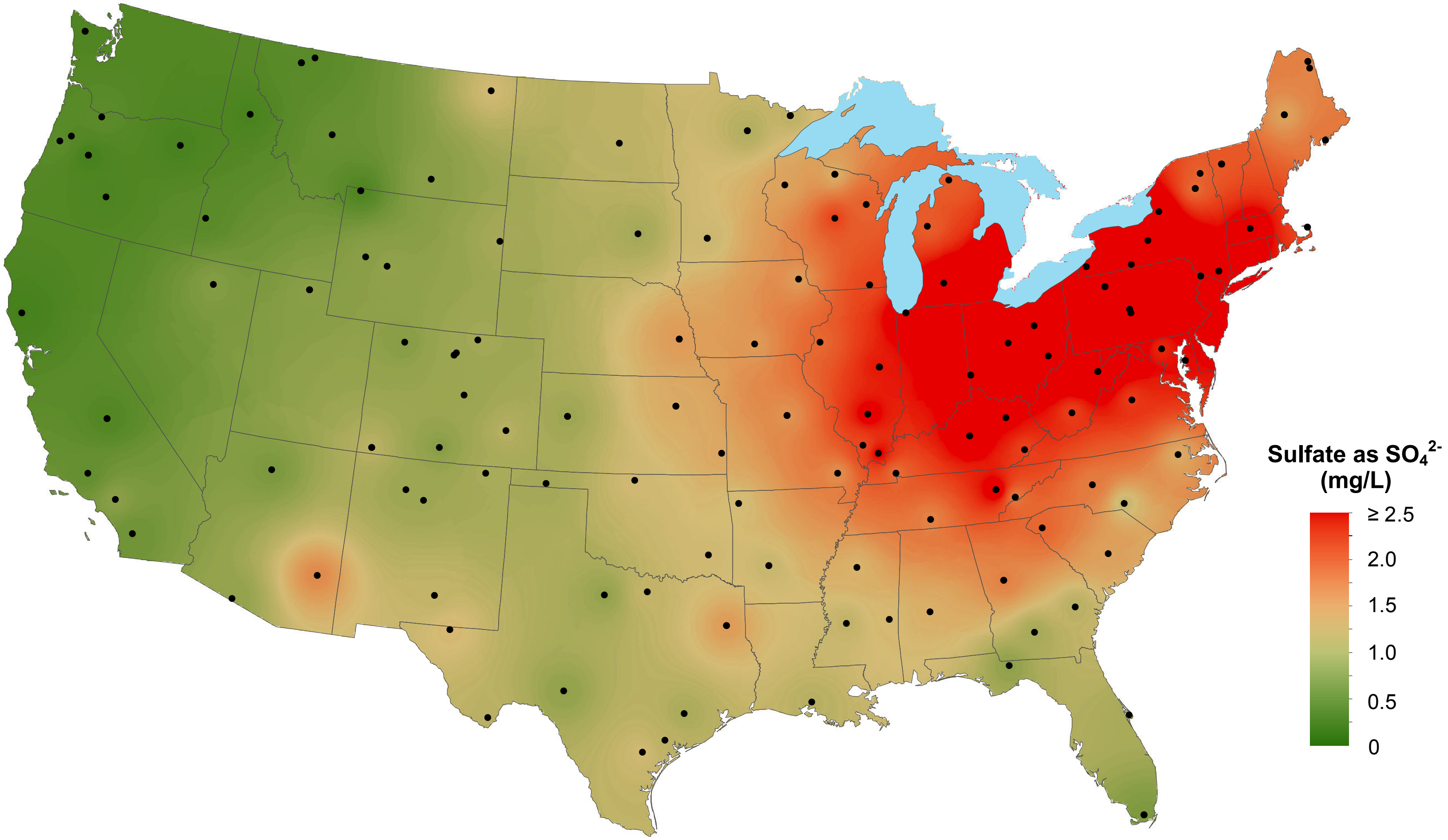
MW-3	NET
B	<0.50
MTBE	<1.0
N	<1.0

HP-22	OS GC
B	<0.50
MTBE	<1.0
N	<1.0

FIGURE 1

ATTACHMENT C1

Sulfate ion concentration, 1985



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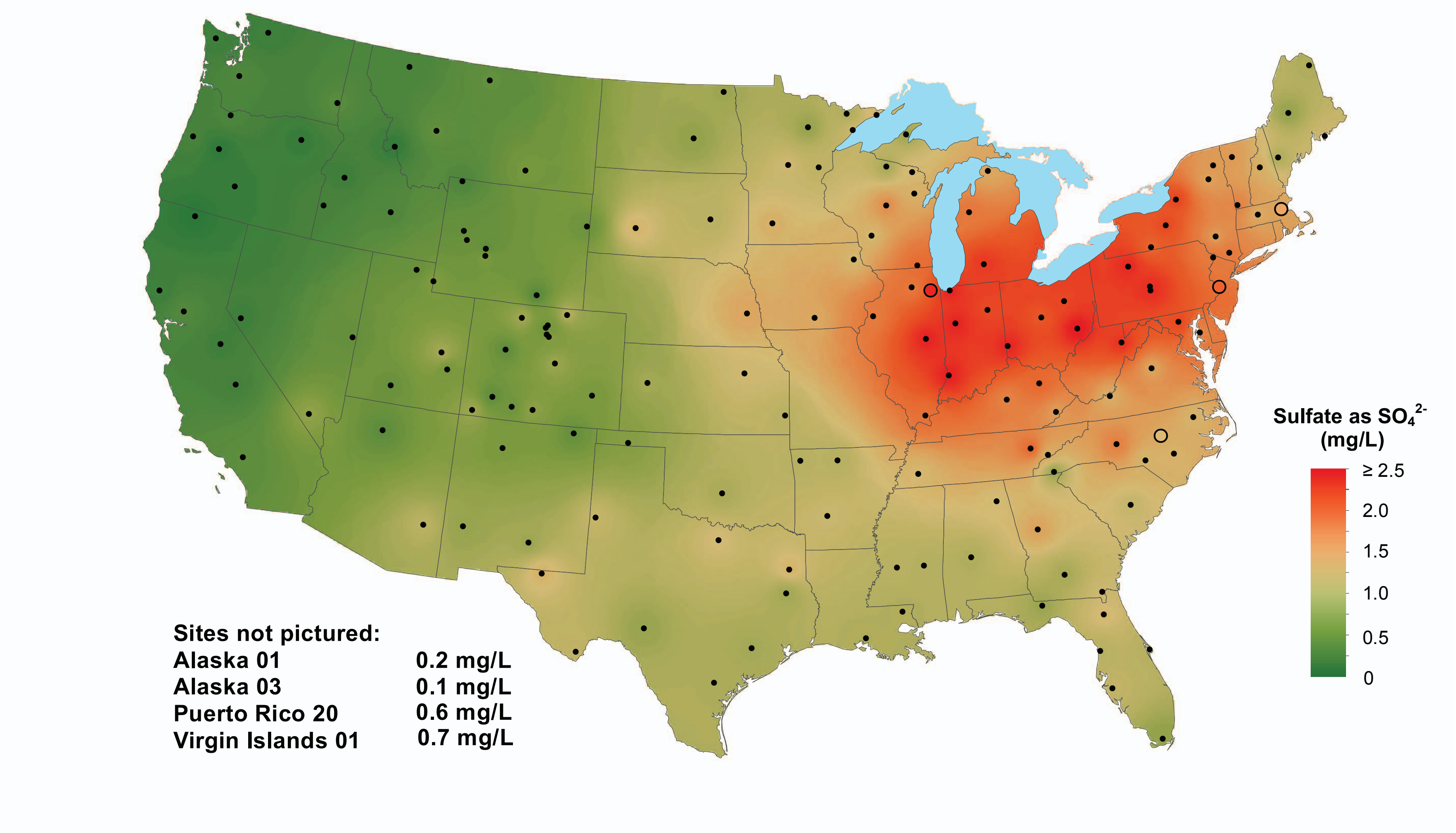
http://nadp.isws.illinois.edu

Sulfate ion concentration, 1998

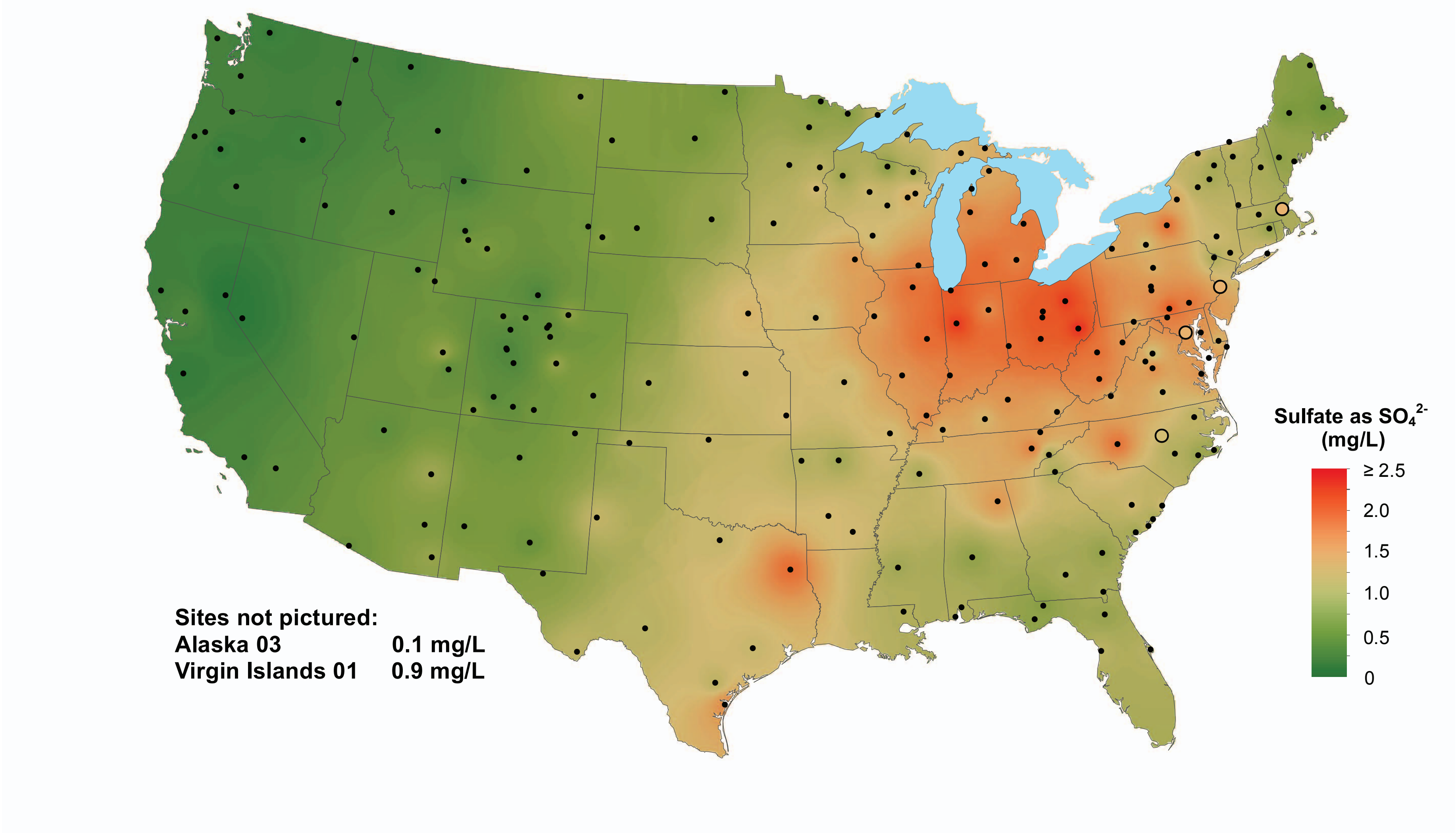


Sites not pictured:

Alaska 01	**0.2 mg/L**
Alaska 03	**0.1 mg/L**
Puerto Rico 20	**0.6 mg/L**
Virgin Islands 01	**0.7 mg/L**

National Atmospheric Deposition Program/National Trends Network
http://nadp.isws.illinois.edu

Sulfate ion concentration, 2005

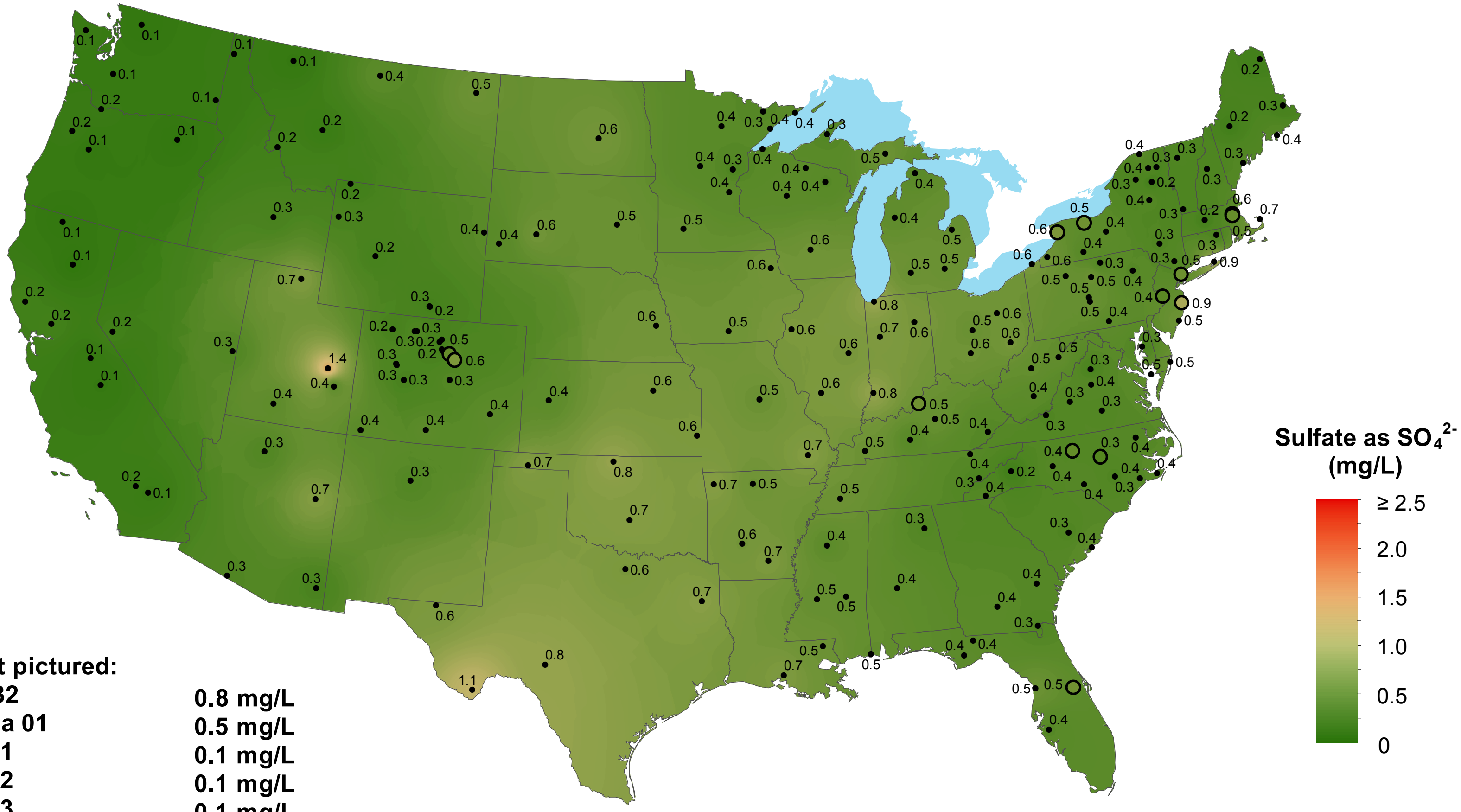


Sites not pictured:

Alaska 03	**0.1 mg/L**
Virgin Islands 01	**0.9 mg/L**

National Atmospheric Deposition Program/National Trends Network
http://nadp.isws.illinois.edu

Sulfate ion concentration, 2017



Sites not pictured:

Alberta 32	**0.8 mg/L**
Argentina 01	**0.5 mg/L**
Alaska 01	**0.1 mg/L**
Alaska 02	**0.1 mg/L**
Alaska 03	**0.1 mg/L**
Alaska 97	**0.3 mg/L**
British Columbia 22	**1.5 mg/L**
British Columbia 23	**0.3 mg/L**
British Columbia 24	**0.2 mg/L**
Saskatchewan 21	**0.3 mg/L**
Saskatchewan 31	**0.4 mg/L**

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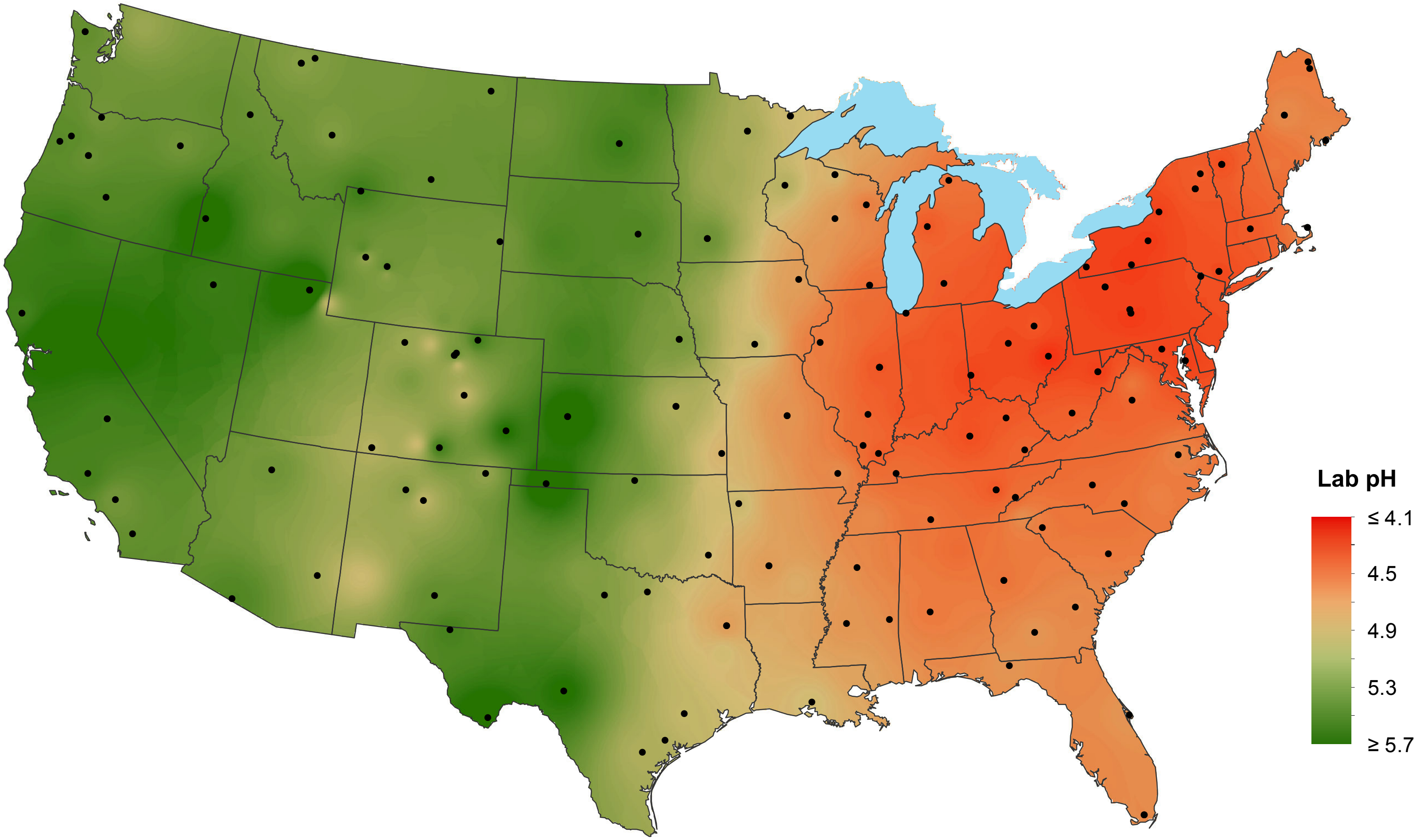
http://nadp.slh.wisc.edu

ATTACHMENT C2

Hydrogen ion concentration as pH from measurments made at the Central Analytical Laboratory, 1985



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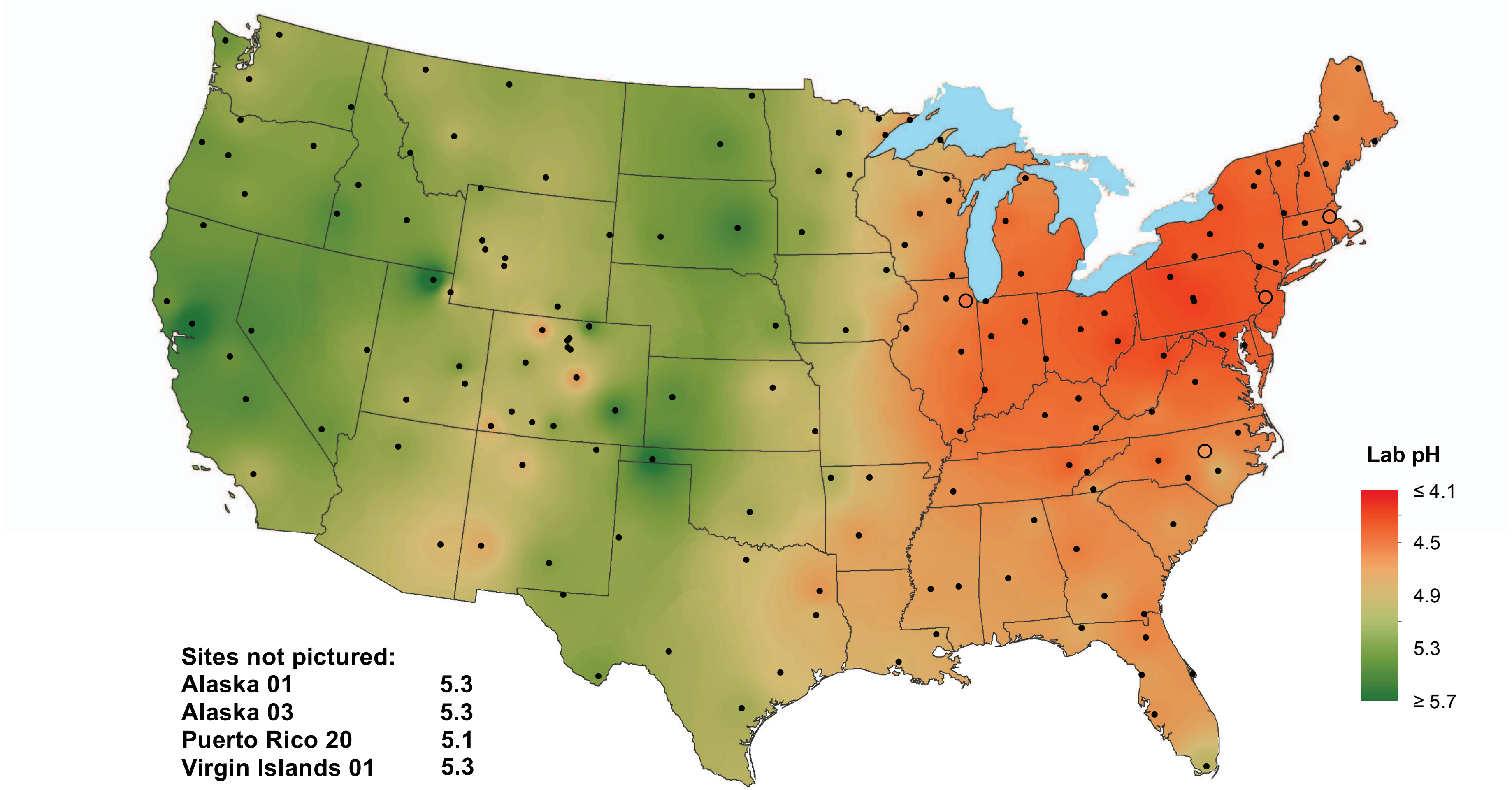
http://nadp.isws.illinois.edu

Hydrogen ion concentration as pH from measurments made at the Central Analytical Laboratory, 1998



Sites not pictured:

Alaska 01	**5.3**
Alaska 03	**5.3**
Puerto Rico 20	**5.1**
Virgin Islands 01	**5.3**

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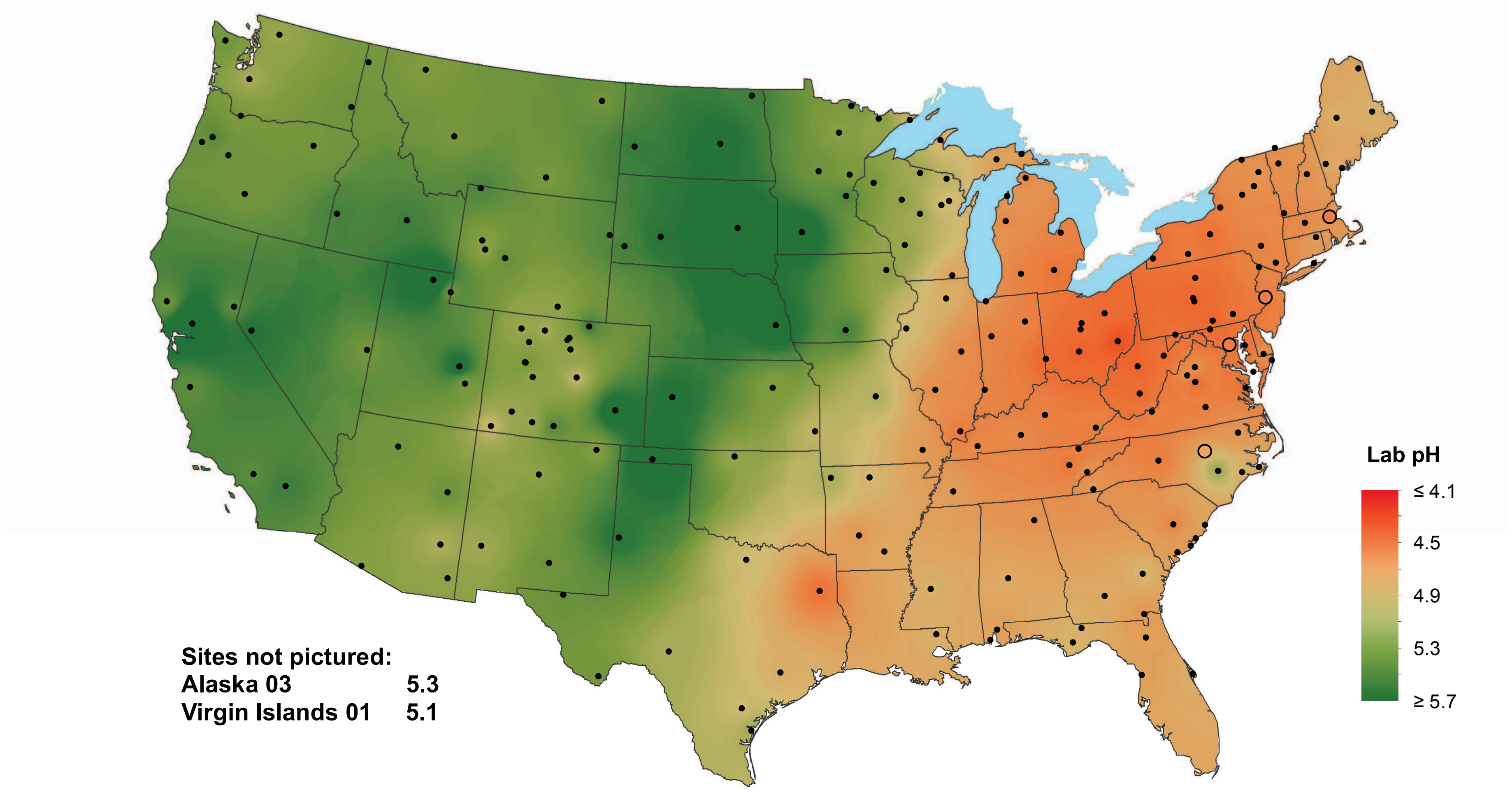
http://nadp.isws.illinois.edu

Hydrogen ion concentration as pH from measurments made at the Central Analytical Laboratory, 2005

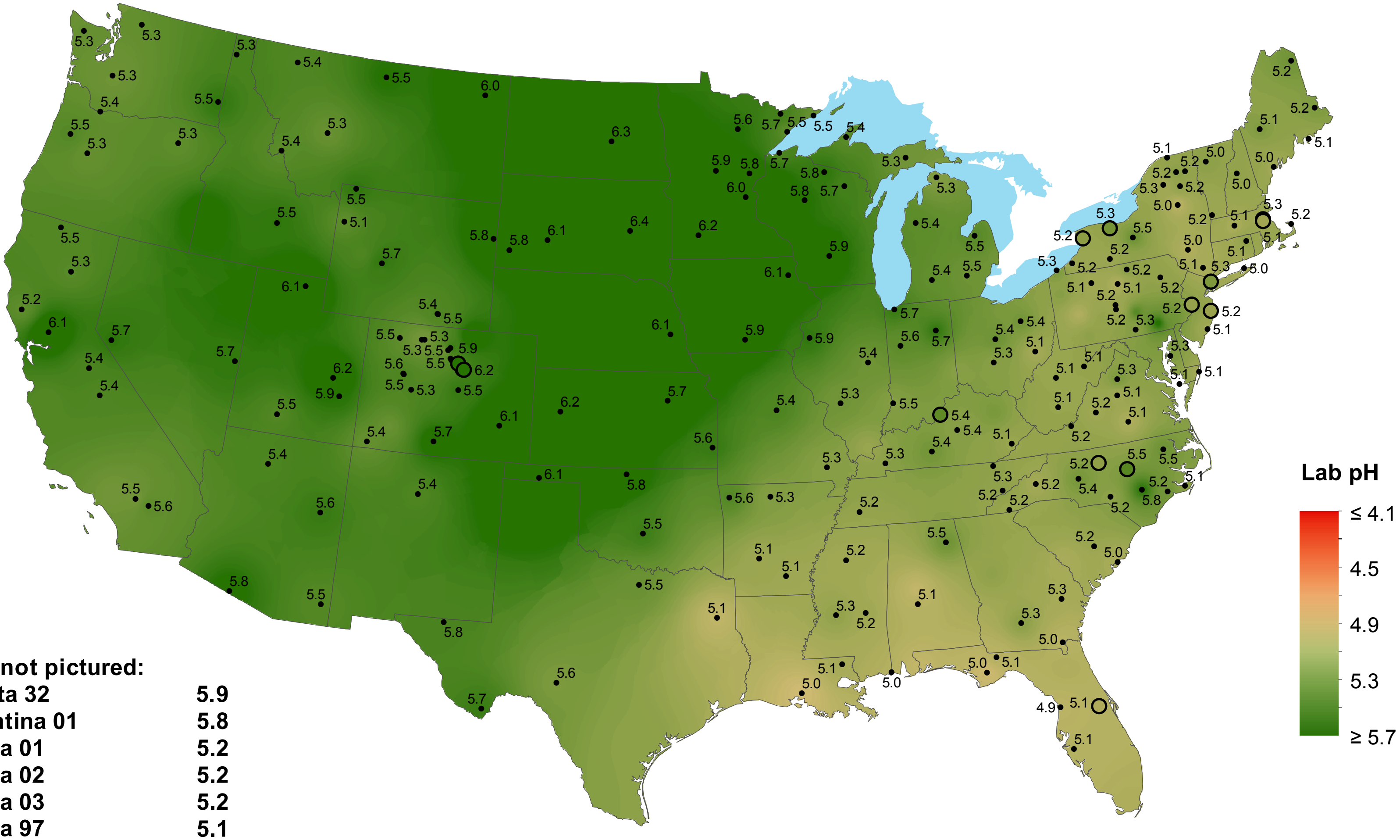


Sites not pictured:

Alaska 03	**5.3**
Virgin Islands 01	**5.1**

National Atmospheric Deposition Program/National Trends Network
http://nadp.isws.illinois.edu

Hydrogen ion concentration as pH from measurements made at the Central Analytical Laboratory, 2017



Sites not pictured:

Alberta 32	**5.9**
Argentina 01	**5.8**
Alaska 01	**5.2**
Alaska 02	**5.2**
Alaska 03	**5.2**
Alaska 97	**5.1**
British Columbia 22	**4.4**
British Columbia 23	**5.0**
British Columbia 24	**5.2**
Saskatchewan 21	**5.7**
Saskatchewan 31	**5.8**

National Atmospheric Deposition Program/National Trends Network
http://nadp.slh.wisc.edu

ATTACHMENT D

FIGURE 1 - SOIL SAMPLE LOCATION MAP

● APPROXIMATE POST-LINER REMOVAL
SOIL SAMPLE LOCATION

1 inch = 75 feet
Date Printed: 5/30/2018