

January 31, 2018

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Re: CCR Annual Groundwater Monitoring and Corrective Action Report

Indianapolis Power & Light Company
Petersburg Generating Station
RWS Type III Landfill
Petersburg, Indiana
ATC Project No. 170LF00306

Dear Mr. Heger:

ATC Group Services LLC (ATC) has prepared this 2017 CCR Annual Groundwater Monitoring and Corrective Action Report for the Restricted Waste Site (RWS) Type III Landfill at Indianapolis Power & Light Company's (IPL) Petersburg Generating Station located outside Petersburg, Pike County, Indiana. This report has been prepared to comply with reporting requirements described in the United States Environmental Protection Agency's (USEPA) Coal Combustion Residuals (CCR) Rule § 257.90(e). This annual report documents the status of the groundwater monitoring and corrective action program for the ash pond system and summarizes information required by § 257.90(e)(1) through § 257.90(e)(5).

Federal CCR Rule § 257.90(e) specifies the following:

For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the

CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).

The following key actions have been completed to comply with the CCR Rule:

- In accordance with § 257.90(b)(1)(i), IPL installed a groundwater monitoring system as required by § 257.91.
- In accordance with § 257.90(b)(1)(ii), IPL developed the groundwater sampling and analysis program to include the selection of the statistical procedures to be used for evaluating groundwater monitoring data as required by § 257.93.
- In accordance with § 257.90(b)(1)(iii), IPL initiated a detection monitoring program to obtain a minimum of eight samples from each background and downgradient well as required by § 257.94(b).
- In accordance with § 257.91(f), IPL provided the groundwater monitoring system certification.
- In accordance with § 257.93(f)(6), IPL provided the certification that the selected statistical method is appropriate for evaluating the groundwater monitoring data for the CCR management area.

To report on the activities conducted during the prior calendar year and document compliance with the CCR Rule, the specific requirements listed in § 257.90(e)(1) through § 257.90(e)(5) are provided below in bold/italic type followed by a short narrative addressing how that specific requirement has been met.

At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:

§ 257.90(e)(1) A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;

IPL operates the Petersburg Station located approximately four miles north of Petersburg, Indiana. It is located at 6925 North State Road 57. A Site Location Map is provided as Figure 1. A map showing the location of each CCR management unit and associated upgradient and downgradient monitoring wells is provided as Figure 2. This information was previously presented in the Indianapolis Power & Light Company Petersburg Generating Station Landfill Permit Application Major Modification to Operating Permit No. 63-2 Construction Permit SW 280 dated January 1994.

In January 2017, monitoring wells MW-10, MW-11, MW-12, and MW-13 were installed to comply with the CCR Rule. Documentation of the well installation was provided in the Type III RWS Landfill Monitoring Well Installation Coal Combustion Residuals (CCR) Rule report dated June 19, 2017. In addition, monitoring well MW-2 was abandoned and an offset well, monitoring well MW-2R, was

installed in February 2017. Documentation of the well abandonment/installation was provided in the Monitoring Well MW-2 Abandonment and MW-2R "Offset" Installation Report dated June 20, 2017.

§ 257.90(e)(2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;

Because this is the first CCR annual report, relevant activities conducted prior to and during 2017 are summarized below.

The CCR groundwater monitoring system at the Petersburg Landfill consists of eight (8) monitoring wells: MW-1, MW-2R, MW-3, MW-4C, MW-10, MW-11, MW-12, and MW-13.

The groundwater monitoring network wells were installed between 1986 and 2017 and are installed in unconsolidated deposits, and weathered bedrock. Monitoring well installation complies with the requirements of Federal CCR Rule § 257.91. Monitoring wells MW-10, MW-11, MW-12, and MW-13 were installed to strictly comply with the requirements described in the CCR Rule. The location of the CCR monitoring well network is depicted on Figure 2.

§ 257.90(e)(3) In addition to all the monitoring data obtained under § 257.90 through § 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;

In accordance with § 257.94(b), a minimum of eight independent samples from each background and downgradient monitoring well were collected prior to October 17, 2017. Each of the sampling events completed through 2017 were part of the detection monitoring program.

Table 1 provides a summary of the number of samples collected at each well, sampling dates, and designation of whether samples were required by the detection or assessment monitoring program. Groundwater analytical results for samples collected during 2016 and 2017 are provided in the laboratory analytical reports located in Appendix A. Results are summarized in Tables 2 through 10.

§ 257.90(e)(4) A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels);

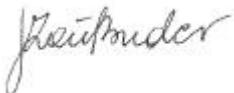
Consistent with § 257.90(e), the 2017 annual report documents activities conducted during the prior calendar year at the CCR management units subject to the Rule. The statistical analysis of the initial minimum eight rounds of groundwater sampling was not completed in 2017 and therefore is not reported in this Annual Report. A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels) will be provided, as appropriate, in subsequent annual reports.

§ 257.90(e)(5) Other information required to be included in the annual report as specified in § 257.90 through § 257.98.

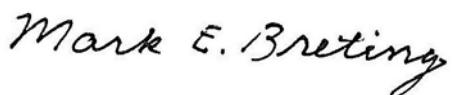
Other information required to be included in this report will be provided, as appropriate, in subsequent annual reports.

We appreciate the opportunity to assist with IPL's CCR Rule groundwater monitoring program at Petersburg Station's RWS Type III Landfill. Please contact any of the undersigned at 317.849.4990 if you have any questions regarding this report.

Sincerely,



Slawa Bruder
Project Geologist



Mark E. Breting, L.P.G.
Senior Project Geologist



John R. Noel, L.P.G.
Principal Geologist

Copies: Mr. Thom O'Leary
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Table 1
Well Sampling Summary
Petersburg Generating Station - RWS Type III Landfill
Petersburg, Indiana
ATC Project No. 170LF00306

Identification	Date Installed	Upgradient, Background, or Downgradient	Number of Samples	Sample Date	Microbac Laboratory Project Number	Detection or Assessment Monitoring
MW-1	11/21/1986	Upgradient	9	9/28/2016	6091888	Detection
				10/19/2016	6080847	
				11/9/2016	6101689	
				12/12/2016	6121143	
				2/5/2017	7020352	
				3/24/2017	7030458	
				5/16/2017	7051142	
				6/20/2017	7060984	
				8/8/2017	7080054	
MW-2 (2R)	MW-2 - 1986 MW-2R - 2/1/2017	Downgradient	12	9/28/2016	6091888	Detection
				10/19/2016	6080847	
				11/9/2016	6101689	
				12/12/2016	6121143	
				3/16/2017	7030943	
				3/17/2017	7030942	
				3/24/2017	7030458	
				4/20/2017	7040712	
				4/24/2017	7040714	
				5/16/2017	7051142	
				6/20/2017	7060984	
				8/8/2017	7080054	
MW-3	1986	Downgradient	9	9/28/2016	6091888	Detection
				10/19/2016	6080847	
				11/9/2016	6101689	
				12/12/2016	6121143	
				2/5/2017	7020352	
				3/24/2017	7030458	
				5/25/2017	7051142	
				6/20/2017	7060984	
				8/8/2017	7080054	
MW-4C	9/29/1992	Downgradient	9	9/28/2016	6091888	Detection
				10/19/2016	6080847	
				11/9/2016	6101689	
				12/12/2016	6121143	
				2/5/2017	7020352	
				3/25/2017	7030458	
				5/25/2017	7051142	
				6/20/2017	7060984	
				8/8/2017	7080054	
MW-10	1/30/2017	Downgradient	9	3/16/2017	7030943	Detection
				3/17/2017	7030942	
				3/24/2017	7030458	
				4/20/2017	7040712	
				4/24/2017	7040714	
				5/25/2017	7051142	
				6/20/2017	7060984	
				7/19/2017	7070204	
				8/8/2017	7080054	

Table 1
Well Sampling Summary
Petersburg Generating Station - RWS Type III Landfill
Petersburg, Indiana
ATC Project No. 170LF00306

Identification	Date Installed	Upgradient, Background, or Downgradient	Number of Samples	Sample Date	Microbac Laboratory Project Number	Detection or Assessment Monitoring
MW-11	1/25/2017	Downgradient	9	3/16/2017	7030943	Detection
				3/17/2017	7030942	
				3/24/2017	7030458	
				4/20/2017	7040712	
				4/24/2017	7040714	
				5/25/2017	7051142	
				6/20/2017	7060984	
				7/19/2017	7070204	
				8/8/2017	7080054	
				3/16/2017	7030943	
MW-12	1/26/2017	Downgradient	9	3/17/2017	7030942	Detection
				3/23/2017	7030458	
				4/20/2017	7040712	
				4/24/2017	7040714	
				5/25/2017	7051142	
				6/20/2017	7060984	
				7/19/2017	7070204	
				8/8/2017	7080054	
				3/16/2017	7030943	
				3/17/2017	7030942	
MW-13	1/31/2017	Downgradient	9	3/24/2017	7030458	Detection
				4/20/2017	7040712	
				4/24/2017	7040714	
				5/25/2017	7051142	
				6/20/2017	7060984	
				7/19/2017	7070204	
				8/8/2017	7080054	
				3/16/2017	7030943	
				3/17/2017	7030942	
				3/24/2017	7030458	

Table 2
 Summary of Detection Monitoring Results - September 2016
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-1	MW-2	MW-3	MW-4C
6091888-20		6091888-15	6091888-16	6091888-17	
28/09/2016		28/09/2016	28/09/2016	28/09/2016	
Static Water Elevation	(ft MSL)	497.02	439.21	441.01	448.19
Field Parameters					
Temperature, Field	°C	14.54	16.80	17.92	16.64
Dissolved Oxygen, Field	mg/L	6.42	0.84	0.17	0.28
Conductivity, Field	µS/cm	838.43	3012.88	2256.41	2687.41
ORP, Field	mV	188.36	29.46	107.99	149.12
pH, Field	SU	6.84	6.69	7.16	6.91
Analytical Data					
Antimony, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Barium, Total	mg/L	0.043	0.043	0.032	0.027
Beryllium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Boron, Total	mg/L	<0.50	2.5	1	4.9
Cadmium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Calcium, Total	mg/L	120	520	260	520
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	1.1	2	0.31
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	0.35	<0.10
Selenium, Total	mg/L	<0.020	<0.020	<0.020	<0.020
Thallium, Total	mg/L	<0.050	<0.050	<0.050	<0.050
Radium-Combined	pCi/L	2.6	3.5	1.4	2.1
Chloride	mg/L	6	88	98	47
Fluoride	mg/L	<0.50	<0.50	<0.50	<0.50
pH	SU	7.01	6.32	7.25	6.98
Solids, Dissolved	mg/L	500	2600	1600	2300
Sulfate	mg/L	130	1000	600	840

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 3
 Summary of Detection Monitoring Results - October 2016
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

	MW-1	MW-2	MW-3	MW-4C
6080847-20	6080847-15	6080847-16	6080847-17	
19/10/2016	19/10/2016	19/10/2016	19/10/2016	
Static Water Elevation	(ft MSL)	496.94	438.84	440.91
				448.41
Field Parameters				
Temperature, Field	°C	15.66	19.08	18.76
Dissolved Oxygen, Field	mg/L	6.64	0.57	0.16
Conductivity, Field	µS/cm	963.05	3064.20	2387.85
ORP, Field	mV	64.28	-53.81	-36.85
pH, Field	SU	7.12	6.89	7.33
				6.96
Analytical Data				
Antimony, Total	mg/L	<0.0050	<0.0050	<0.0050
Arsenic, Total	mg/L	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.051	0.037	0.031
Beryllium, Total	mg/L	<0.010	<0.010	<0.010
Boron, Total	mg/L	<0.50	2.6	1.1
Cadmium, Total	mg/L	<0.010	<0.010	<0.010
Calcium, Total	mg/L	140	510	280
Chromium, Total	mg/L	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	0.82	1.9
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	0.33
Selenium, Total	mg/L	<0.010	<0.010	<0.010
Thallium, Total	mg/L	<0.050	<0.050	<0.050
Radium-Combined	pCi/L	1.3	2.0	2.5
Chloride	mg/L	5.8	68	71
Fluoride	mg/L	<5.0	<5.0	<5.0
pH	SU	7.04	7.23	7.32
Solids, Dissolved	mg/L	700	2800	1900
Sulfate	mg/L	160	970	700
				940

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

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Table 4
 Summary of Detection Monitoring Results - November 2016
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-1	MW-2	MW-3	MW-4C
6101689-02		6101689-16	6101689-17	6101689-18	
09/11/2016		09/11/2016	09/11/2016	09/11/2016	
Static Water Elevation	(ft MSL)	496.75	438.29	440.87	448.26
Field Parameters					
Temperature, Field	°C	13.05	16.81	17.77	17.01
Dissolved Oxygen, Field	mg/L	6.77	0.49	0.25	0.61
Conductivity, Field	µS/cm	1038.72	3157.17	2302.99	2821.46
ORP, Field	mV	134.92	-82.94	32.55	75.42
pH, Field	SU	6.99	6.81	7.18	6.87
Analytical Data					
Antimony, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic, Total	mg/L	0.0051	<0.020	<0.020	<0.020
Barium, Total	mg/L	0.059	0.037	0.036	0.032
Beryllium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Boron, Total	mg/L	<0.50	2.2	1	4.9
Cadmium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Calcium, Total	mg/L	160	550	270	560
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	0.78	2.2	0.33
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	0.28	<0.10
Selenium, Total	mg/L	0.0086	<0.020	<0.020	<0.020
Thallium, Total	mg/L	<0.050	<0.050	<0.050	<0.050
Radium-Combined	pCi/L	1.3	<0.45	1.8	0.86
Chloride	mg/L	6.8	98	67	49
Fluoride	mg/L	<0.50	<0.50	<0.50	<0.50
pH	SU	6.92	6.8	7.29	7.03
Solids, Dissolved	mg/L	720	2900	1800	2600
Sulfate	mg/L	210	1100	550	790

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

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SU: standard units

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ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 5
 Summary of Detection Monitoring Results - December 2016
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

	MW-1	MW-2	MW-3	MW-4C
6121143-02	6121143-16	6121143-17	6121143-18	
12/12/2016	12/12/2016	12/12/2016	12/12/2016	
Static Water Elevation (ft MSL)	496.53	438.20	441.01	448.59
Field Parameters				
Temperature, Field °C	12.18	13.71	14.75	14.43
Dissolved Oxygen, Field mg/L	6.52	0.41	0.15	0.28
Conductivity, Field µS/cm	781.42	2437.64	2098.80	2246.11
ORP, Field mV	-20	-120	-220	-140
pH, Field SU	6.77	6.65	7.12	6.76
Analytical Data				
Antimony, Total mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Arsenic, Total mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Barium, Total mg/L	0.056	0.029	0.029	0.026
Beryllium, Total mg/L	<0.010	<0.010	<0.010	<0.010
Boron, Total mg/L	<0.50	2.8	0.92	4.9
Cadmium, Total mg/L	<0.010	<0.010	<0.010	<0.010
Calcium, Total mg/L	160	480	310	460
Chromium, Total mg/L	<0.010	<0.010	<0.010	<0.010
Cobalt, Total mg/L	<0.020	<0.020	<0.020	<0.020
Lead, Total mg/L	<0.010	<0.010	<0.010	<0.010
Lithium, Total mg/L	<0.10	0.51	2.2	0.26
Mercury, Total mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total mg/L	<0.10	<0.10	0.39	<0.10
Selenium, Total mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Thallium, Total mg/L	<0.050	<0.050	<0.050	<0.050
Radium-Combined pCi/L	1.1	1.8	2.1	2.3
Chloride mg/L	5.4	85	73	40
Fluoride mg/L	<5.0	<5.0	<5.0	<5.0
pH SU	6.91	6.7	7.23	6.85
Solids, Dissolved mg/L	760	2900	2200	2600
Sulfate mg/L	220	1400	950	1100

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

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SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 6
 Summary of Detection Monitoring Results - February 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-1	MW-3	MW-4C
	7020352-02	7020352-16	7020352-17	
	05/02/2017	05/02/2017	05/02/2017	
Static Water Elevation	(ft MSL)	496.11	441.19	448.36
Field Parameters				
Temperature, Field	°C	10.88	14.64	13.73
Dissolved Oxygen, Field	mg/L	5.01	0.10	0.38
Conductivity, Field	µS/cm	920.34	2575.32	2798.36
ORP, Field	mV	120.30	78.67	81.37
pH, Field	SU	7.05	7.22	6.97
Analytical Data				
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.052	0.037	0.03
Beryllium, Total	mg/L	<0.0040	<0.0040	<0.0040
Boron, Total	mg/L	<0.50	1	5
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	150	360	550
Chromium, Total	mg/L	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	2.1	0.31
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	0.66	<0.10
Selenium, Total	mg/L	<0.0050	<0.030	<0.030
Thallium, Total	mg/L	<0.0020	<0.0020	<0.0020
Radium-Combined	pCi/L	1.9	1.7	2.5
Chloride	mg/L	5.4	69	38
Fluoride	mg/L	<5.0	<5.0	<5.0
pH	SU	6.81	7.46	7
Solids, Dissolved	mg/L	630	2200	2600
Sulfate	mg/L	180	970	880

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 7
 Summary of Detection Monitoring Results - March 16, 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-2R	MW-10	MW-11	MW-12	MW-13
		7030943-01	7030943-02	7030943-03	7030943-04	7030943-05
		16/03/2017	16/03/2017	16/03/2017	16/03/2017	16/03/2017
Static Water Elevation	(ft MSL)	439.48	461.77	482.21	483.24	465.42
Field Parameters						
Temperature, Field	°C	13.97	14.54	14.68	13.20	12.81
Dissolved Oxygen, Field	mg/L	0.18	0.17	5.88	6.64	1.21
Conductivity, Field	µS/cm	1966.20	2301.92	1093.95	335.41	2197.95
ORP, Field	mV	-37.61	-132.15	133.70	107.41	66.06
pH, Field	SU	6.64	7.01	6.97	7.28	7.01
Analytical Data						
Antimony, Total	mg/L	<0.020	<0.0060	<0.0060	<0.0060	<0.020
Arsenic, Total	mg/L	<0.010	0.055	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.053	0.14	0.034	0.041	0.041
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	1.1	31	1.6	<0.50	3.1
Cadmium, Total	mg/L	<0.0020	<0.0010	<0.0020	<0.0020	<0.0010
Calcium, Total	mg/L	500	550	220	52	640
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	0.28	<0.10	<0.10	<0.10	0.75
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.030	<0.030	<0.030	<0.030
Thallium, Total	mg/L	<0.0050	<0.0050	<0.050	<0.0050	<0.0050
Radium-Combined	pCi/L	<0.55	1.3	<0.7	1.2	1.6
Chloride	mg/L	81	33	<5.0	<5.0	34
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0
pH	SU	6.83	7.08	7.08	7.34	7.15
Solids, Dissolved	mg/L	2400	2500	1100	280	2700
Sulfate	mg/L	990	810	510	13	1100

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 8
 Summary of Detection Monitoring Results - March 17, 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-2R	MW-10	MW-11	MW-12	MW-13
	7030942-01	7030942-02	7030942-03	7030942-04	7030942-05	
	17/03/2017	17/03/2017	17/03/2017	17/03/2017	17/03/2017	
Static Water Elevation	(ft MSL)	439.25	461.93	483.19	483.56	465.32
Field Parameters						
Temperature, Field	°C	12.34	11.31	13.57	12.08	12.34
Dissolved Oxygen, Field	mg/L	1.47	0.37	6.27	7.07	1.24
Conductivity, Field	µS/cm	2062.69	2130.25	1068.38	322.97	2166.13
ORP, Field	mV	-32.54	-118.45	88.29	164.53	78.16
pH, Field	SU	6.76	7.03	7.04	7.20	7.04
Analytical Data						
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	0.044	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.066	0.16	0.034	0.04	0.041
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	1.3	33	1.7	<0.50	2.9
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	480	580	240	51	640
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	0.41	<0.10	<0.10	<0.10	0.74
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.021
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	2.3	2.1	2.1	1.7	1.7
Chloride	mg/L	83	33	<5.0	<5.0	30
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0
pH	SU	6.84	6.97	7.06	7.27	7.13
Solids, Dissolved	mg/L	2300	2500	1100	310	2700
Sulfate	mg/L	940	830	510	13	1200

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 9
 Summary of Detection Monitoring Results - March 23-25, 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-1	MW-2R	MW-3	MW-4C	MW-10	MW-11	MW-12	MW-13
		7030458-02	7030458-16	7030458-17	7030458-18	7030458-21	7030458-22	7030458-23	7030458-24
		24/03/2017	24/03/2017	24/03/2017	25/03/2017	24/03/2017	24/03/2017	23/03/2017	24/03/2017
Static Water Elevation	(ft MSL)	494.86	439.44	441.11	448.29	461.43	483.05	483.34	465.26
Field Parameters									
Temperature, Field	°C	16.10	16.43	15.48	13.83	15.01	16.64	13.30	14.40
Dissolved Oxygen, Field	mg/L	7.53	0.78	0.09	0.48	0.28	5.79	7.26	1.33
Conductivity, Field	µS/cm	961.38	2857.11	2541.68	2867.86	2894.24	1366.82	430.39	2790.64
ORP, Field	mV	108.03	-39.15	122.96	181.72	-116.99	72.50	82.88	67.48
pH, Field	SU	7.31	6.97	7.44	7.01	7.04	7.19	7.45	7.18
Analytical Data									
Antimony	mg/L	<0.0060	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Arsenic	mg/L	<0.010	<0.040	<0.040	<0.040	0.076	<0.040	<0.040	<0.040
Barium	mg/L	0.05	0.054	0.032	0.025	0.13	0.03	0.033	0.037
Beryllium	mg/L	<0.0010	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Boron	mg/L	<0.50	1.4	1.1	4.3	33	1.5	<0.50	2.9
Cadmium	mg/L	<0.0010	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Calcium	mg/L	140	440	320	610	520	200	45	660
Chromium	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Lead	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium	mg/L	<0.10	0.53	2.1	0.29	<0.10	<0.10	<0.10	0.65
Mercury	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum	mg/L	<0.10	<0.10	0.66	<0.10	<0.10	<0.10	<0.10	<0.10
Selenium	mg/L	<0.0050	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.022
Thallium	mg/L	<0.0050	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Radium-Combined	pCi/L	<0.57	1.4	<0.6	0.83	<0.7	<0.56	<0.51	<0.49
Chloride	mg/L	<5.0	95	79	38	48	3.5	4.6	34
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<0.50	<0.50	<0.50	0.68
pH	SU	7.13	6.88	7.36	7.11	7.12	7.18	7.29	7.2
Solids, Dissolved	mg/L	640	2400	2100	2600	2500	1100	260	2500
Sulfate	mg/L	160	1000	890	970	730	460	19	1100

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 10
 Summary of Detection Monitoring Results - April 20, 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-2R	MW-10	MW-11	MW-12	MW-13
		7040712-01	7040712-02	7040712-03	7040712-04	7040712-05
		20/04/2017	20/04/2017	20/04/2017	20/04/2017	20/04/2017
Static Water Elevation	(ft MSL)	438.05	461.71	482.88	483.39	464.47
Field Parameters						
Temperature, Field	°C	16.60	17.77	18.22	16.48	14.93
Dissolved Oxygen, Field	mg/L	0.59	0.33	5.93	7.67	1.13
Conductivity, Field	µS/cm	3122.07	2884.04	1306.44	423.90	3040.90
ORP, Field	mV	67.97	-80.23	147.76	130.27	203.34
pH, Field	SU	6.76	7.25	7.51	7.98	7.42
Analytical Data						
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	0.06	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.046	0.11	0.034	0.03	0.041
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	1.7	33	1.9	<0.50	2.5
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	500	530	290	49	610
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	0.78	<0.10	<0.10	<0.10	1.1
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.0050	0.0052	<0.0050	0.017
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	1.4	2.0	<0.53	3	1.1
Chloride	mg/L	86	36	2.8	3.9	59
Fluoride	mg/L	<5.0	<0.50	<0.50	<0.50	0.58
pH	SU	6.88	7.06	7.2	7.32	7.38
Solids, Dissolved	mg/L	2600	2500	1100	240	2100
Sulfate	mg/L	1100	790	440	16	1100

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 11
 Summary of Detection Monitoring Results - April 24, 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-2R	MW-10	MW-11	MW-12	MW-13
7040714-01	7040714-02	7040714-03	7040714-04	7040714-05		
24/04/2017	24/04/2017	24/04/2017	24/04/2017	24/04/2017	24/04/2017	
Static Water Elevation	(ft MSL)	438.05	461.71	482.88	483.39	464.47
Field Parameters						
Temperature, Field	°C	15.94	17.16	18.67	17.28	13.57
Dissolved Oxygen, Field	mg/L	0.28	0.23	5.63	7.80	1.12
Conductivity, Field	µS/cm	3088.33	2916.05	1310.98	426.69	2921.72
ORP, Field	mV	89.70	-83.21	122.91	151.97	189.62
pH, Field	SU	6.96	7.36	7.65	7.74	7.58
Analytical Data						
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	0.057	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.056	0.14	0.029	0.032	0.039
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	1.6	34	1.9	<0.50	2.6
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	560	630	220	55	620
Chromium, Total	mg/L	<0.010	<0.10	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.20	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.10	<0.010	<0.010	<0.010
Lithium, Total	mg/L	0.84	<0.10	<0.10	<0.10	1.1
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<1.0	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.016
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	1.2	1.8	1.4	1.8	<0.54
Chloride	mg/L	81	46	3.1	4.2	51
Fluoride	mg/L	<5.0	<0.50	<0.50	<0.50	0.67
pH	SU	6.91	7.13	7.23	7.38	7.31
Solids, Dissolved	mg/L	2700	2500	1000	240	2700
Sulfate	mg/L	1100	880	430	17	1000

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 12
 Summary of Detection Monitoring Results - May 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

	MW-1	MW-2R	MW-3	MW-4C	MW-10	MW-11	MW-12	MW-13
7051142-17	7051142-18	7051142-19	7051142-20	7051142-21	7051142-22	7051142-23	7051142-24	
16/05/2017	16/05/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017	25/05/2017	
Static Water Elevation	(ft MSL)	495.39	440.22	441.11	448.44	462.47	484.42	485.72
								466.30
Field Parameters								
Temperature, Field	°C	14.11	14.89	17.40	15.50	16.38	16.75	15.86
Dissolved Oxygen, Field	mg/L	7.72	0.23	0.09	0.73	1.44	6.37	8.61
Conductivity, Field	µS/cm	852.53	3169.90	2499.64	2602.20	2770.14	1229.21	406.13
ORP, Field	mV	35.94	-92.00	-9.56	46.47	-128.26	48.72	42.24
pH, Field	SU	7.53	7.06	7.53	7.57	7.51	7.70	7.78
								7.45
Analytical Data								
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	<0.010	<0.010	<0.010	0.055	<0.010	<0.010
Barium, Total	mg/L	0.048	0.046	0.036	0.028	0.13	0.032	0.042
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	<0.50	2	1.4	5	42	1.8	<0.50
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	140	590	440	580	640	220	52
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	1.1	2	0.33	<0.10	<0.10	<0.10
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	0.57	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0084
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	0.82	0.97	<0.50	1.97	1.65	<0.64	<0.46
Chloride	mg/L	<5.0	91	66	34	31	<5.0	4.5
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
pH	SU	7.26	7.03	7.52	7.22	7.08	7.08	7.16
Solids, Dissolved	mg/L	620	3000	2300	2600	2700	1100	250
Sulfate	mg/L	130	1200	920	880	900	480	18
								1000

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 13
 Summary of Detection Monitoring Results - June 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

	MW-1	MW-2R	MW-3	MW-4C	MW-10	MW-11	MW-12	MW-13
7060984-17	7060984-18	7060984-19	7060984-20	7060984-21	7060984-22	7060984-23	7060984-24	
20/06/2017	20/06/2017	20/06/2017	20/06/2017	20/06/2017	20/06/2017	20/06/2017	20/06/2017	
Static Water Elevation	(ft MSL)	494.26	438.03	440.80	447.70	461.78	484.01	485.76
Field Parameters								
Temperature, Field	°C	18.20	17.55	18.59	16.90	20.53	19.51	18.95
Dissolved Oxygen, Field	mg/L	7.56	0.27	0.10	0.75	1.21	6.79	8.54
Conductivity, Field	µS/cm	860.34	3293.97	2370.07	2653.52	2880.23	1239.77	420.23
ORP, Field	mV	162.39	2.10	71.76	50.88	-82.58	15.36	38.94
pH, Field	SU	6.91	6.48	7.06	6.88	6.93	7.13	7.24
Analytical Data								
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	<0.010	<0.010	<0.010	0.049	<0.010	<0.010
Barium, Total	mg/L	0.049	0.045	0.036	0.027	0.13	0.027	0.032
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	<0.50	2.1	1	4.4	46	1.4	<0.50
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	150	570	290	510	610	200	54
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	1.1	2	0.25	<0.10	<0.10	<0.10
Mercury, Total	mg/L	0.00067	<0.00020	<0.00020	0.00035	0.00033	<0.00020	0.00021
Molybdenum, Total	mg/L	<0.10	<0.10	0.51	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	0.0059	0.0052	<0.0050	<0.0050	<0.0050	0.0095
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	4.5	3.1	0.96	3.0	<0.86	1.2	0.89
Chloride	mg/L	<5.0	92	91	31	30	<5.0	4.5
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0
pH	SU	7.71	7.61	7.89	7.83	7.61	7.62	7.22
Solids, Dissolved	mg/L	630	2900	1900	2500	2600	990	230
Sulfate	mg/L	100	1200	730	990	1000	420	16
								1100

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: miligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 14
 Summary of Detection Monitoring Results - July 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-10	MW-11	MW-12	MW-13
	7070204-02	7070204-03	7070204-04	7070204-05	
	19/07/2017	19/07/2017	19/07/2017	19/07/2017	
Static Water Elevation	(ft MSL)	461.22	483.32	484.88	464.52
Field Parameters					
Temperature, Field	°C	18.12	18.25	17.74	16.47
Dissolved Oxygen, Field	mg/L	1.03	6.37	8.63	1.85
Conductivity, Field	µS/cm	2922.73	1197.91	424.88	2544.83
ORP, Field	mV	-91.63	296.66	363.86	439.18
pH, Field	SU	7.01	7.13	7.28	7.12
Analytical Data					
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	0.057	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.099	0.025	0.029	0.034
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	36	1.4	<0.50	2.9
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	560	180	51	580
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	<0.10	<0.10	0.54
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	0.005	<0.0050	0.014
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	<0.68	0.73	<0.62	0.57
Chloride	mg/L	48	2.6	4.9	15
Fluoride	mg/L	<0.50	<0.50	<0.50	0.8
pH	SU	7.69	7.57	7.84	7.82
Solids, Dissolved	mg/L	2600	980	280	2400
Sulfate	mg/L	390	320	20	530

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

µS/cm: microsiemen per centimeter

mV: millivolt

Table 15
 Summary of Detection Monitoring Results - August 2017
 Petersburg Generating Station - RWS Type III Landfill
 Petersburg, Indiana
 ATC Project No. 170LF00306

		MW-1	MW-2R	MW-3	MW-4C	MW-10	MW-11	MW-12	MW-13
	7080054-15	7080054-16	7080054-17	7080054-18	7080054-19	7080054-20	7080054-21	7080054-22	
	08/08/2017	08/08/2017	08/08/2017	08/08/2017	08/08/2017	08/08/2017	08/08/2017	08/08/2017	
Static Water Elevation	(ft MSL)	495.99	436.32	440.69	447.69	461.13	482.90	484.47	464.29
Field Parameters									
Temperature, Field	°C	16.57	16.61	18.71	17.36	20.14	19.24	18.42	17.27
Dissolved Oxygen, Field	mg/L	7.04	0.38	0.10	0.37	0.59	5.59	8.27	1.82
Conductivity, Field	µS/cm	901.86	3317.64	2331.81	2785.78	2985.46	1257.32	447.56	2525.82
ORP, Field	mV	212.87	-96.08	8.99	100.44	-139.74	130.04	133.41	61.02
pH, Field	SU	7.00	6.82	7.15	6.86	7.00	6.99	7.16	7.00
Analytical Data									
Antimony, Total	mg/L	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Arsenic, Total	mg/L	<0.010	<0.010	<0.010	<0.010	0.058	<0.010	<0.010	<0.010
Barium, Total	mg/L	0.047	0.042	0.04	0.027	0.11	0.028	0.041	0.034
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Boron, Total	mg/L	<0.50	2	0.83	4.3	32	1.5	<0.50	2.7
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Calcium, Total	mg/L	130	500	250	540	590	200	55	610
Chromium, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cobalt, Total	mg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Lead, Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Lithium, Total	mg/L	<0.10	1	1.6	0.23	<0.10	<0.10	<0.10	0.22
Mercury, Total	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Molybdenum, Total	mg/L	<0.10	<0.10	0.33	<0.10	<0.10	<0.10	<0.10	<0.10
Selenium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.029
Thallium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Radium-Combined	pCi/L	1.4	0.89	2.2	2.0	0.97	1.3	2.1	1.9
Chloride	mg/L	18	83	84	27	33	<5.0	5.2	6.8
Fluoride	mg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.50	<5.0
pH	SU	6.98	6.81	7.53	7.16	7.17	7.12	6.92	7.14
Solids, Dissolved	mg/L	530	2700	1700	2500	2400	950	250	2400
Sulfate	mg/L	51	620	620	820	600	320	21	790

Note: Static water elevation listed for a well may have been collected on a date different than date of well sampling.

mg/L: milligram per liter

SU: standard units

pCi/L: picoCurie per liter

ft MSL: feet mean sea level

°C: degrees celcius

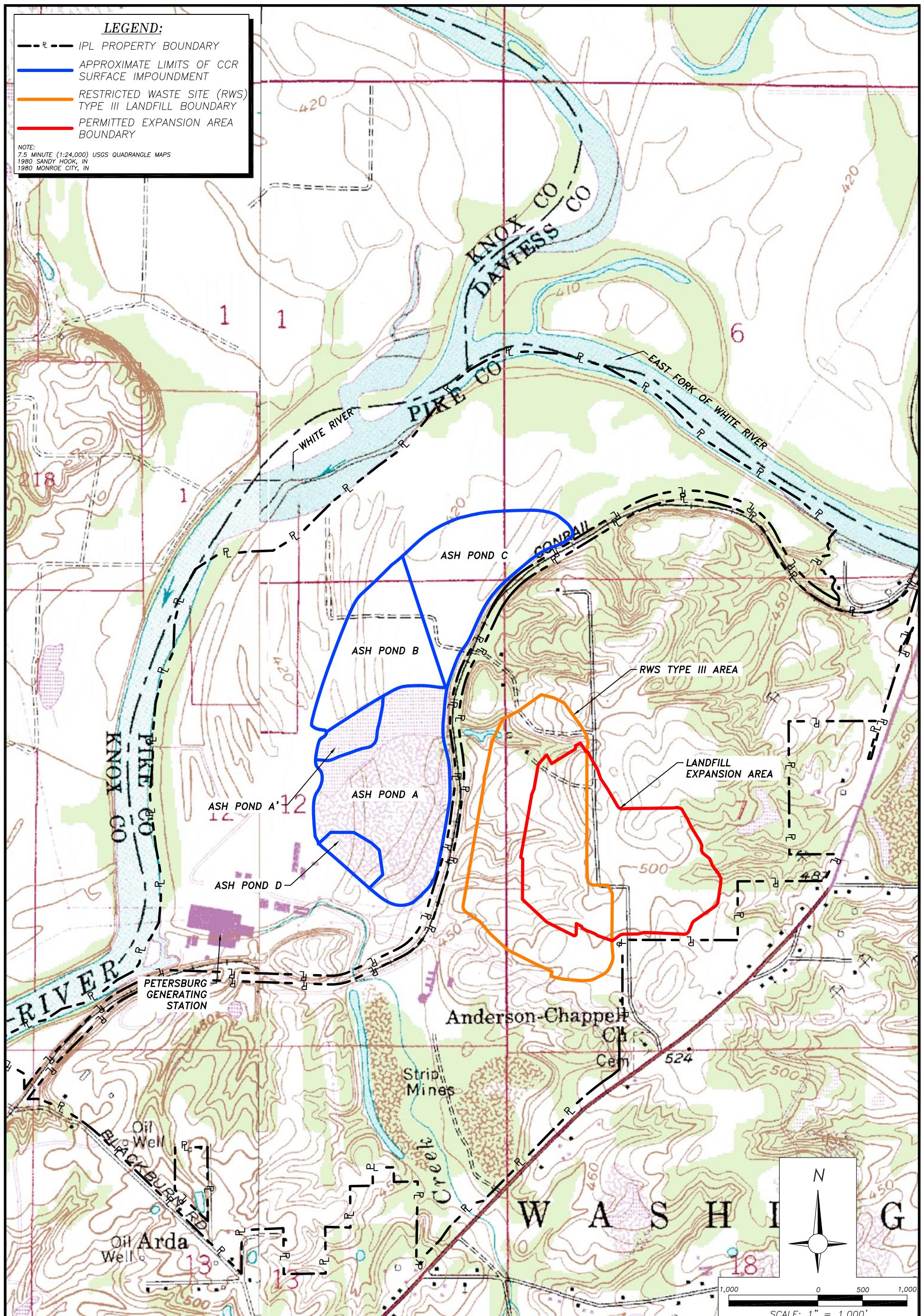
µS/cm: microsiemen per centimeter

mV: millivolt

FIGURES

Figure 1: Site Location Map

Figure 2: CCR Groundwater Monitoring System

**SITE LOCATION MAP**

IPL PETERSBURG GENERATING STATION
RWS TYPE III LANDFILL
PETERSBURG, INDIANA

Figure:
1
Date:
12/17
Scale:
AS SHOWN

Project Number: 170LF00306	Drn. By: RL
Drawing File: SEE TOP LEFT	Ckd. By: SB
	App'd By: ATC
	Ckd. Date: [Redacted]

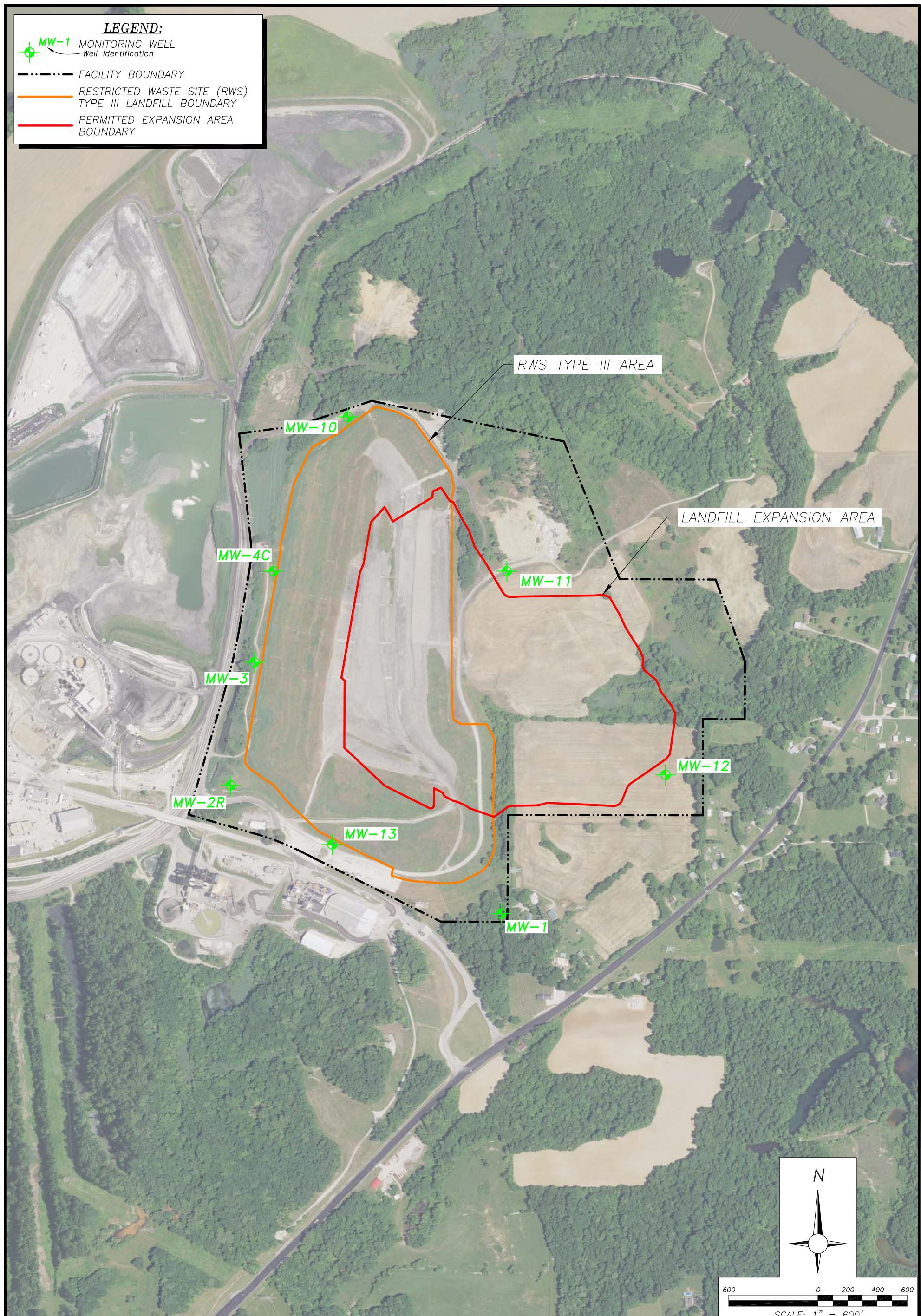


Figure: 2
Date: 1/18
Scale: AS SHOWN

CCR GROUNDWATER MONITORING SYSTEM

IPL PETERSBURG GENERATING STATION
RWS TYPE III LANDFILL
PETERSBURG, INDIANA

Project Number: 170LF00306	Drn. By: RL
Drawing File: SEE TOP LEFT	Ckd. By: MB
	App'd By: ATC
	Ckd. Date: [Redacted]