



ATC Group Services LLC

January 31, 2018

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Re: CCR Annual Groundwater Monitoring and Corrective Action Report

Indianapolis Power & Light Company
Harding Street Generating Station
Indianapolis, Indiana
ATC Project No. 170LF00428

Dear Mr. Heger:

ATC Group Services LLC (ATC) has prepared this 2017 CCR Annual Groundwater Monitoring and Corrective Action Report for the ash pond system at Indianapolis Power & Light Company's (IPL) Harding Street Generating Station in Indianapolis, Marion 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 Harding Street Station located in Indianapolis, Indiana. It is located at 3700 South Harding Street. 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 Harding Street Generating Station Ash Pond System Closure & Post-Closure Plan, Rev. A, dated July 28, 2016.

§ 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 ash pond groundwater monitoring system at the Harding Street Station consists of twenty-four (24) monitoring wells: MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, MW-5S, MW-6S, MW-7S, MW-7D, MW-8S, MW-9S, MW-9I, MW-9D, MW-10S, MW-10D, MW-11S, MW-11D, MW-12S, MW-12D, MW-13S, MW-13D, and MW-14. Monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, and MW-8S represent upgradient/background wells, while the remaining represent downgradient wells. The wells were installed in accordance with the requirements of CCR Rule § 257.91 between September 25, 2015 and February 24, 2016. The location of the CCR monitoring well network is depicted on Figure 2.

Documentation of the design and construction of the monitoring well network for the CCR management units at the Harding Street Station is included in the Indianapolis Power & Light Company Harding Street Generating Station Ash Pond System Closure & Post-Closure Plan, Rev. A, dated July 28, 2016.

§ 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 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);

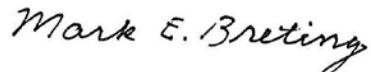
Consistent with § 257.90(e), the 2017 annual report documents activities conducted during the prior calendar year at the CCR management units subject to the Rule. The statistical analysis of the initial minimum eight rounds of groundwater sampling was not completed in 2017 and therefore is not reported 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.

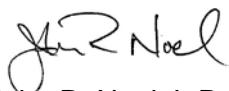
Other information required to be included in this report will be provided, as appropriate, in subsequent annual reports.

We appreciate the opportunity to assist with IPL's CCR Rule groundwater monitoring program at Harding Street Station's ash pond system. Please contact any of the undersigned at 317.849.4990 if you have any questions regarding this report.

Sincerely,



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



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

Copies: Mr. Thom O'Leary
Mr. Juan Hummel

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Table 1
 Well Sampling Summary
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-1S	9/25/2015	Upgradient/Background	9	4/7/2016	Detection
				5/26/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/26/2017	
				5/23/2017	
				8/9/2017	
				9/20/2017	
MW-1D	9/25/2015	Upgradient/Background	9	4/7/2016	Detection
				5/26/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/26/2017	
				5/23/2017	
				8/9/2017	
				9/20/2017	
MW-2S	9/29/2015	Upgradient/Background	9	4/5/2016	Detection
				5/24/2016	
				8/8/2016	
				9/26/2016	
				11/28/2016	
				1/24/2017	
				5/22/2017	
				8/7/2017	
				9/20/2017	
MW-2D	2/9/2016	Upgradient/Background	9	4/5/2016	Detection
				5/24/2016	
				8/8/2016	
				9/26/2016	
				11/28/2016	
				1/24/2017	
				5/22/2017	
				8/7/2017	
				9/20/2017	

Table 1
 Well Sampling Summary
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-3S	9/28/2015	Upgradient/Background	9	4/5/2016	Detection
				5/25/2016	
				8/8/2016	
				9/26/2016	
				11/28/2016	
				1/24/2017	
				5/22/2017	
				8/7/2017	
				9/20/2017	
MW-3D	2/10/2016	Upgradient/Background	9	4/5/2016	Detection
				5/25/2016	
				8/8/2016	
				9/26/2016	
				11/28/2016	
				1/24/2017	
				5/22/2017	
				8/7/2017	
				9/20/2017	
MW-4S	9/28/2015	Upgradient/Background	9	4/5/2016	Detection
				5/25/2016	
				8/8/2016	
				9/26/2016	
				11/29/2016	
				1/24/2017	
				5/22/2017	
				8/7/2017	
				9/20/2017	
MW-5S	10/1/2015	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	

Table 1
 Well Sampling Summary
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-6S	9/28/2015	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-7S	9/30/2015	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-7D	2/17/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-8S	10/1/2015	Upgradient/Background	9	4/7/2016	Detection
				5/26/2016	
				8/9/2016	
				9/28/2016	
				11/30/2016	
				1/26/2017	
				5/23/2017	
				8/9/2017	
				9/20/2017	

Table 1
 Well Sampling Summary
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-9S	2/11/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/8/2016	
				9/27/2016	
				11/28/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-9I	2/24/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/8/2016	
				9/27/2016	
				11/28/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-9D	2/11/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/8/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-10S	2/16/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	

Table 1
 Well Sampling Summary
 Harding Street Generating Station
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Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-10D	2/16/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-11S	2/17/2016	Downgradient	9	4/7/2016	Detection
				5/26/2016	
				8/10/2016	
				9/28/2016	
				11/30/2016	
				1/26/2017	
				5/24/2017	
				8/9/2017	
				9/20/2017	
MW-11D	2/18/2016	Downgradient	9	4/7/2016	Detection
				5/26/2016	
				8/10/2016	
				9/28/2016	
				11/30/2016	
				1/26/2017	
				5/24/2017	
				8/9/2017	
				9/20/2017	
MW-12S	2/19/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	

Table 1
 Well Sampling Summary
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-12D	2/18/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-13S	2/15/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-13D	2/12/2016	Downgradient	9	4/6/2016	Detection
				5/25/2016	
				8/9/2016	
				9/27/2016	
				11/29/2016	
				1/25/2017	
				5/23/2017	
				8/8/2017	
				9/20/2017	
MW-14D	2/23/2016	Downgradient	9	4/7/2016	Detection
				5/26/2016	
				8/10/2016	
				9/28/2016	
				11/30/2016	
				1/26/2017	
				5/23/2017	
				8/9/2017	
				9/20/2017	

Table 2
 Summary of Detection Monitoring Results - April 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50142326002	50142326001	50142326004	50142326003	50142326006	50142326005	50142326007	50142326008	50142326009	50142326011	50142326010	50142326012	50142326014
		4/7/2016	4/7/2016	4/5/2016	4/5/2016	4/5/2016	4/5/2016	4/5/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/7/2016	4/6/2016
Static Water Elevation (ft MSL)		664.02	663.95	667.01	666.99	665.35	665.44	661.47	660.73	662.72	658.48	658.53	659.15	658.97
Field Parameters														
Temperature	°C	16.16	15.73	19.79	19.0	17.11	16.32	13.13	20.34	20.77	15.55	15.49	12.12	15.60
Dissolved Oxygen, Field	mg/L	1.57	0.28	0.35	0.62	0.50	0.41	2.95	0.44	0.37	0.41	0.26	1.39	0.56
Conductivity, Field	uS/cm	1548	1250	2749	3013	2128	751	895	2690	2726	2034	2055	1886	2879
ORP, Field	mV	-42.9	-88.4	-150.2	-250.0	-89.0	-82.5	-1.1	-52.7	-71.5	-128.3	-116.8	10.3	-109.5
pH, Field	Std. Units	7.24	7.25	7.29	7.45	7.12	7.01	6.83	7.10	6.82	7.46	7.36	6.98	7.15
Analytical Data														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	9.5	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	10.3	49.4	<10	26.5	<10	<10	<10	<10	28.3	428	320	<10	<10
Barium, Total	ug/L	47.2	100	62.7	205	42.2	59.6	117	22.9	150	54	58.4	44.2	46.7
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	5070	5210	12100	17400	11200	1670	8440	12500	18000	19700	19600	14800	17200
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.4	<2	<2	<2
Calcium, Total	ug/L	151000	129000	297000	323000	253000	108000	171000	286000	325000	334000	334000	259000	371000
Chloride	mg/L	171	156	325	382	221	43.8	47.9	339	294	135	158	90	291
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoride	mg/L	0.43	0.52	2.1	0.84	0.33	1.9	0.11	4	0.93	0.28	0.34	0.17	0.34
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	87.6	66.3	108	112	96.4	34.3	23.9	89.6	112	150	116	182	146
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	234	456	289	458	145	139	<10	251	309	423	435	258	130
Selenium, Total	ug/L	<10	<10	<10	<10	<10	11.1	50.8	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	608	426	1120	1400	1110	173	345	1080	1150	1090	1190	1140	1500
Thallium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Dissolved Solids	mg/L	1230	963	2220	2530	1740	535	779	2060	2090	1890	1910	1960	2770
Total Radium	pCi/L	2	2.04	1.45	1.69	1.58	0.816	1.02	1.44	1.22	1.36	0.938	0.782	1.59
pH at 25 Degrees C	Std. Units	7.4	7.3	7.4	7.5	7.3	7.4	7.3	7.3	7	7.5	7.4	7.2	7.2

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

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

Table 2
 Summary of Detection Monitoring Results - April 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50142326015	50142326013	50142326017	50142326016	50142326019	50142326018	50142326021	50142326020	50142326023	50142326022	50142326024
		4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/7/2016	4/7/2016	4/6/2016	4/6/2016	4/6/2016	4/6/2016	4/7/2016
Static Water Elevation (ft MSL)		659.06	658.99	665.25	665.24	658.30	657.98	657.31	657.33	660.15	660.20	658.08
Field Parameters												
Temperature	°C	15.45	15.09	19.98	19.44	12.15	10.91	17.64	17.68	16.27	16.57	13.77
Dissolved Oxygen, Field	mg/L	0.37	0.63	0.44	0.64	0.33	2.83	0.29	1.07	0.32	0.38	0.33
Conductivity, Field	uS/cm	2184	1160	3823	3365	1068	655	2858	2689	2121	2333	2698
ORP, Field	mV	-77.2	-67.7	-103.6	-76.3	-113.1	-32.0	-144.4	-76.6	-136.4	-96.0	-142.5
pH, Field	Std. Units	7.14	7.61	7.27	7.34	7.31	7.68	7.63	7.69	7.56	7.38	7.65
Analytical Data												
Antimony, Total	ug/L	<6	14.9	<6	<6	<6	<6	<6	6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	412	455	10.6	<10	241	15.6	214	365	89.1
Barium, Total	ug/L	36.9	40.5	47.9	119	81.5	111	64.8	41.7	23.7	36.4	110
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	12300	12600	37100	15600	7710	916	16700	19100	21200	23600	35000
Cadmium, Total	ug/L	<2	<2	2.5	2.7	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	285000	146000	425000	512000	187000	60800	443000	373000	372000	330000	485000
Chloride	mg/L	197	58.7	506	314	84.6	45.9	272	277	135	255	290
Chromium, Total	ug/L	<10	<10	<10	<10	11.2	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Fluoride	mg/L	0.44	<0.1	1.7	3.5	0.38	1.2	0.22	0.35	0.39	0.52	0.37
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	104	126	123	106	127	<20	141	215	87.6	89	526
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	214	519	264	324	<10	77.3	286	256	646	577	200
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	1230	608	1570	1520	531	131	1340	1300	1240	1260	1600
Thallium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Dissolved Solids	mg/L	2000	948	3300	3050	958	526	2660	2390	2000	2060	2860
Total Radium	pCi/L	0.797	0.946	1.67	1.17	1.68	1.07	1.84	1.36	0.893	1.48	2.24
pH at 25 Degrees C	Std. Units	7.4	7.7	7.4	7.5	7.4	7.8	7.6	7.8	7.6	7.6	7.6

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemens per centimeter

umhos/cm: micromhos per centimeter

mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

Static water elevation listed for a well may have

been collected on a date different than date of well

sampling.

Table 3
 Summary of Detection Monitoring Results - May 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D	MW-9I
		50145943002	50145943001	50145943004	50145943003	50145943006	50145943005	50145943007	50145943008	50145943009	50145943011	50145943010	50145943012	50145943014	50145943015
		5/26/2016	5/26/2016	5/24/2016	5/24/2016	5/25/2016	5/25/2016	5/25/2016	5/25/2016	5/25/2016	5/25/2016	5/25/2016	5/26/2016	5/25/2016	5/25/2016
Static Water Elevation (ft MSL)		663.02	662.93	666.68	666.68	665.33	665.40	661.54	660.87	662.45	658.02	658.08	657.50	659.21	659.30
Field Parameters															
Temperature	°C	17.15	16.58	19.61	18.99	17.07	15.78	13.06	19.96	21.23	16.50	16.44	14.30	16.59	16.56
Dissolved Oxygen, Field	mg/L	0.78	0.12	0.99	0.48	0.67	1.02	5.39	0.63	0.26	0.53	0.30	3.79	0.95	0.97
Conductivity, Field	uS/cm	1911	1389	3141	2841	1780	991	1298	2897	2820	2475	2553	1480	3359	2169
ORP, Field	mV	-84.4	-64.8	-69.9	-100.3	-46.2	16.7	39.8	1.2	-39.9	-105.7	-104.4	56.80	-45.5	-22.1
pH, Field	Std. Units	7.10	6.71	7.21	7.34	7.09	6.57	6.56	7.04	6.79	7.40	7.34	6.35	7.04	7.09
Analytical Data															
Antimony, Total	ug/L	<6	<6	<6	<6	<6	8.5	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	12	22.8	<10	22	<10	<10	<10	<10	23	435	353	<10	<10	<10
Barium, Total	ug/L	49.6	76.4	34.6	158	20.5	55.8	136	21	112	53.3	53.8	44.2	36	19.5
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	4820	2840	11800	13300	7020	1320	12400	12300	17300	19500	19600	7780	17200	10900
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	2.2	<2	<2	<2	<2
Calcium, Total	ug/L	161000	123000	278000	273000	145000	121000	191000	268000	313000	318000	329000	162000	337000	207000
Chloride	mg/L	159	135	322	295	200	64.9	69	312	241	148	171	41.4	254	135
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.47	0.57	2.2	1.1	0.43	1.8	0.13	4	0.94	0.33	0.38	0.23	0.39	0.53
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	86	53.9	105	87.6	68.1	28.6	21.5	78.3	99	132	110	135	134	79.6
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	205	309	286	352	140	124	<10	266	261	445	448	210	132	218
Selenium, Total	ug/L	<10	<10	<10	<10	<10	10.7	31.5	<10	<10	<10	<10	11	<10	<10
Sulfate	mg/L	659	285	1400	958	595	129	536	983	1020	1110	1130	696	1360	934
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	1280	855	2280	2040	1120	578	846	2030	1990	1820	1860	1200	2580	1510
Total Radium	pCi/L	1.52	1.53	1.53	2.23	<0.294	0.896	<0.49	1.09	<0.441	<0.675	1.46	0.432	2.33	1.71
pH at 25 Degrees C	Std. Units	7.3	7.2	7.4	7.5	7.4	7.3	7.2	7.2	7	7.5	7.4	7.1	7.2	7.4

Notes:

ft MSL: Elevation, feet mean sea level

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uS/cm: microsiemen per centimeter

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mV: millivolt

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mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

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

Table 3
 Summary of Detection Monitoring Results - May 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50145943013	50145943017	50145943016	50145943019	50145943018	50145943021	50145943020	50145943023	50145943022	50145943024
		5/25/2016	5/25/2016	5/25/2016	5/26/2016	5/26/2016	5/25/2016	5/25/2016	5/25/2016	5/25/2016	5/26/2016
Static Water Elevation (ft MSL)		659.24	665.09	665.08	656.77	655.27	657.57	657.59	659.84	659.90	657.03
Field Parameters											
Temperature	°C	15.74	19.72	19.56	13.78	15.09	18.52	18.72	17.40	17.52	14.98
Dissolved Oxygen, Field	mg/L	1.14	0.26	0.26	0.28	2.20	0.47	1.07	0.27	0.29	0.43
Conductivity, Field	uS/cm	1222	3354	3465	1444	767	3332	2971	2513	2836	3787
ORP, Field	mV	65.4	-86.1	-72.2	-94.5	28.7	-108.9	-36.6	-114.3	-74.3	-107.9
pH, Field	Std. Units	7.45	7.33	7.32	7.01	7.53	7.49	7.68	7.53	7.32	7.56
Analytical Data											
Antimony, Total	ug/L	14.4	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	440	440	<10	<10	252	14.7	215	369	87.6
Barium, Total	ug/L	34.5	32.8	62.7	44.5	101	32.2	38.4	19.5	31.7	56.5
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	10200	18800	14600	7840	710	17500	18400	20200	21800	39700
Cadmium, Total	ug/L	<2	2.5	2.5	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	133000	289000	404000	173000	55900	443000	378000	361000	334000	534000
Chloride	mg/L	47.6	342	281	72.1	35.6	257	239	161	245	315
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	<0.1	2.2	3	0.37	1.3	0.27	0.37	0.4	0.52	0.36
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	110	105	94.9	122	<20	152	196	99.8	105	620
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	438	288	299	<10	81.5	257	274	575	563	187
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	522	1220	1220	483	111	1570	1280	1110	1110	1540
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	758	2420	2710	1000	457	2540	2230	1850	2590	3290
Total Radium	pCi/L	0.922	1.03	0.704	0.868	0.828	<0.602	1.01	1.06	<0.564	2.19
pH at 25 Degrees C	Std. Units	7.6	7.5	7.5	7.3	7.8	7.4	7.8	7.6	7.5	7.5

Notes:

ft MSL: Elevation, feet mean sea level

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mg/L: milligram per liter

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

Table 4
 Summary of Detection Monitoring Results - August 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D	MW-9I
		50151585002	50151585001	50151585004	50151585003	50151585006	50151585005	50151585007	50151585008	50151585009	50151585011	50151585010	50151585012	50151585014	50151585015
		8/9/2016	8/9/2016	8/8/2016	8/8/2016	8/8/2016	8/8/2016	8/8/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/8/2016	8/8/2016
Static Water Elevation (ft MSL)		662.32	662.23	665.98	665.99	664.23	664.28	661.38	660.62	661.87	657.14	657.19	656.19	659.63	659.69
Field Parameters															
Temperature	°C	16.14	16.01	20.03	19.05	16.99	16.28	14.69	17.65	20.50	16.42	16.46	14.98	16.85	16.88
Dissolved Oxygen, Field	mg/L	1.61	0.19	0.78	0.37	0.16	0.66	4.81	0.36	0.40	0.18	0.68	0.26	0.53	0.36
Conductivity, Field	uS/cm	1859	1387	3112	2841	1452	1015	1459	3164	3087	2541	2693	2568	3192	1566
ORP, Field	mV	-78.2	-92.4	-41.2	-129.0	-62.4	-15.1	45.1	-22.8	-94.0	-130.2	-124.3	-8.5	-91.9	-65.8
pH, Field	Std. Units	7.15	7.15	7.15	7.39	7.17	6.97	6.92	7.12	6.88	7.46	7.39	7.12	7.12	7.20
Analytical Data															
Antimony, Total	ug/L	<6	<6	<6	<6	<6	8.9	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	34.1	<10	27.3	<10	<10	<10	<10	34.3	412	365	<10	<10	<10
Barium, Total	ug/L	51.6	97.3	33.8	168	31.6	57.6	140	21.7	166	53.9	52.1	37	37.7	19.9
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3600	2010	12100	11500	3750	902	16300	11200	16600	19200	19100	16500	16400	9160
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	170000	131000	275000	246000	111000	123000	198000	259000	340000	322000	330000	216000	302000	142000
Chloride	mg/L	165	134	371	394	216	74.6	89.6	541	379	191	225	119	272	90.5
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.38	0.49	2.2	1.2	0.41	1.4	0.11	3.5	0.76	0.31	0.34	0.2	0.39	0.55
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	84.4	46.2	103	87.9	55.9	25	20.7	75.3	102	120	109	204	123	68.6
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	159	199	273	248	115	97.6	<10	266	240	460	477	329	128	201
Selenium, Total	ug/L	<10	<10	<10	<10	<10	15	35.6	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	698	256	1380	1070	229	112	495	1020	1160	1140	1240	1300	1670	694
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	1220	834	2290	1960	886	597	1040	2230	2360	1890	2030	2020	2190	1100
Total Radium	pCi/L	1.09	4.24	1.16	1.23	0.971	<0.379	0.768	1.27	0.705	1.74	0.778	<0.468	0.883	0.592
pH at 25 Degrees C	Std. Units	7.2	7.2	7.4	7.5	7.4	7.2	7.1	7.2	6.9	7.5	7.3	7.2	7.4	7.4

Notes:

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Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

Static water elevation listed for a well may have been

collected on a date different than date of well

sampling.

Table 4
 Summary of Detection Monitoring Results - August 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50151585013	50151585017	50151585016	50151585019	50151585018	50151585021	50151585020	50151585023	50151585022	50151585024
		8/8/2016	8/9/2016	8/9/2016	8/10/2016	8/10/2016	8/9/2016	8/9/2016	8/9/2016	8/9/2016	8/10/2016
Static Water Elevation (ft MSL)		659.64	664.63	664.61	655.46	652.71	657.78	657.78	659.15	659.23	655.88
Field Parameters											
Temperature	°C	16.47	19.51	19.00	13.31	15.17	18.00	17.93	17.25	17.48	14.70
Dissolved Oxygen, Field	mg/L	0.83	0.23	0.30	0.68	2.07	0.40	1.01	0.28	0.39	0.68
Conductivity, Field	uS/cm	1124	3059	3766	1462	704	3114	2801	3192	3371	2568
ORP, Field	mV	81.4	-103.4	-103.3	-100.2	-3.8	-133.0	104.7	-130.9	-91.4	-135.2
pH, Field	Std. Units	7.39	7.44	7.41	7.09	7.58	7.52	7.69	7.58	7.39	7.57
Analytical Data											
Antimony, Total	ug/L	13	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	464	484	14.4	<10	243	15.5	245	376	86.5
Barium, Total	ug/L	33.1	32.4	77.2	51.6	89.5	30.1	37.8	25.6	36.5	59.7
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	7980	13400	14200	8060	572	17900	17000	17800	21300	28200
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	126000	264000	420000	186000	49600	418000	332000	389000	403000	412000
Chloride	mg/L	38.5	339	447	84.5	28.6	283	262	338	380	123
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	<0.1	2.1	2.2	0.31	1.4	0.28	0.38	0.37	0.49	0.36
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	103	96.3	98.6	132	<20	140	193	112	116	358
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	374	290	279	<10	82	270	279	671	552	254
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	445	1220	1610	689	143	1420	1200	1470	1390	1240
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	672	2240	3010	1010	415	2460	2110	2390	2510	2120
Total Radium	pCi/L	<0.58	1.72	1.14	2.37	<0.211	2.21	2.84	3	1.52	2.26
pH at 25 Degrees C	Std. Units	7.5	7.5	7.5	7.2	7.8	7.4	7.8	7.5	7.4	7.6

Notes:

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ug/L: microgram per liter

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Static water elevation listed for a well may have been

collected on a date different than date of well

sampling.

Table 5
 Summary of Detection Monitoring Results - September 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50155364002	50155364001	50155364004	50155364003	50155364006	50155364005	50155364007	50155364008	50155364009	50155364011	50155364010	50155364012	50155364014
		9/27/2016	9/27/2016	9/26/2016	9/26/2016	9/26/2016	9/26/2016	9/26/2016	9/27/2016	9/27/2016	9/27/2016	9/27/2016	9/28/2016	9/27/2016
Static Water Elevation (ft MSL)		662.38	662.29	665.32	665.34	664.68	664.69	662.53	661.47	662.09	657.54	657.60	656.90	660.93
Field Parameters														
Temperature	°C	15.48	15.28	18.73	17.80	17.30	16.58	15.81	16.97	20.28	17.30	17.23	15.12	16.20
Dissolved Oxygen, Field	mg/L	2.05	0.39	0.76	0.91	0.74	0.82	4.85	0.17	0.32	0.36	0.66	0.80	0.43
Conductivity, Field	uS/cm	1878	1403	3581	3493	1384	1163	1366	3556	2926	2668	2988	2647	3076
ORP, Field	mV	-54.6	-57.8	-10.0	-43.8	31.40	46.5	56.0	-28.90	-50.70	-82.8	-77.3	40.4	-44.1
pH, Field	Std. Units	6.86	6.84	7.12	6.88	6.94	6.74	6.79	7.06	6.63	7.23	7.12	6.88	6.88
Analytical Data														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	10	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	10.6	<10	22.4	<10	<10	<10	<10	30	408	352	<10	<10
Barium, Total	ug/L	49.8	67.8	36.4	180	47.5	60.1	123	25.9	160	54.2	54.6	39.7	29.7
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3600	2120	8090	7100	2210	2240	16600	9020	16800	18800	19600	15900	15600
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	188000	136000	284000	272000	101000	159000	194000	272000	382000	336000	394000	230000	320000
Chloride	mg/L	156	134	661	642	200	54.9	74.5	645	432	216	280	131	250
Chromium, Total	ug/L	<10	<10	<10	10.1	<10	<10	<10	<10	11	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.37	0.51	2.6	1.8	0.44	1	0.12	3.4	0.84	0.31	0.36	0.2	0.4
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	68.2	33.4	77.8	71.9	44.6	<20	<20	76.3	89.1	107	101	184	102
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	130	167	256	179	102	77.7	<10	275	226	448	468	331	122
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	13.4	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	628	271	894	776	126	269	367	818	1330	1180	1200	1260	1350
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	1230	840	2320	2240	747	728	929	2410	2420	2010	2210	1980	2360
Total Radium	pCi/L	2.41	1.75	1.63	0.965	2.02	1.06	1.64	2.29	1.32	2.77	1.99	<0.728	1.98
pH at 25 Degrees C	Std. Units	7.3	7.3	7.5	7.4	7.4	7	7.2	7.3	7	7.5	7.4	7.2	7.2

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

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

Table 5
 Summary of Detection Monitoring Results - September 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50155364015	50155364013	50155364017	50155364016	50155364019	50155364018	50155364021	50155364020	50155364023	50155364022	50155364024
		9/27/2016	9/27/2016	9/27/2016	9/27/2016	9/28/2016	9/28/2016	9/27/2016	9/27/2016	9/27/2016	9/27/2016	9/28/2016
Static Water Elevation (ft MSL)		661.02	660.97	664.81	664.80	656.12	653.64	659.02	659.02	660.19	659.49	656.49
Field Parameters												
Temperature	°C	15.88	15.88	19.61	19.71	13.06	13.31	17.76	17.55	17.63	18.72	14.38
Dissolved Oxygen, Field	mg/L	0.75	0.75	1.03	0.30	0.30	1.59	0.38	0.33	0.67	0.25	0.88
Conductivity, Field	uS/cm	1038	1038	2985	3755	1497	670	3070	2769	3724	3869	2584
ORP, Field	mV	84.1	84.1	-65.42	-30.2	-78.7	-12.4	-108.3	22.2	-117.4	-45.2	-88.5
pH, Field	Std. Units	7.32	7.32	7.27	7.24	6.97	7.43	7.36	7.58	7.27	7.13	7.48
Analytical Data												
Antimony, Total	ug/L	<6	14.1	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	488	492	14.8	<10	257	15.6	282	416	92.3
Barium, Total	ug/L	22.8	33.8	30.1	72.6	37.2	81.2	31.5	38.8	30.7	40.4	46.9
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	7200	6380	12200	12900	9140	497	18800	15800	21700	23800	29500
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	128000	126000	283000	446000	205000	51500	411000	351000	465000	458000	416000
Chloride	mg/L	64.7	34.5	323	524	82.1	25.1	278	252	402	494	115
Chromium, Total	ug/L	<10	<10	<10	14	<10	<10	10.5	<10	11.5	12.5	10.4
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.58	<0.1	2.2	2.6	0.3	1.5	0.31	0.38	0.37	0.52	0.37
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	58.3	84.9	82.9	79.3	128	<20	147	176	133	119	355
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	191	344	259	247	<10	80.7	274	265	647	517	242
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	437	292	1180	1350	437	120	1220	1170	1210	1360	1250
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	844	657	2070	2940	989	383	2390	2040	2690	2850	2120
Total Radium	pCi/L	1.69	1.04	<0.634	1.33	0.804	0.661	1.42	1.13	2.19	1.9	2.09
pH at 25 Degrees C	Std. Units	7.4	7.5	7.6	7.5	7.3	7.8	7.6	7.8	7.4	7.4	7.7

Notes:

ft MSL: Elevation, feet mean sea level

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uS/cm: microsiemen per centimeter

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mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

Static water elevation listed for a well may have

been collected on a date different than date of well

sampling.

Table 6
 Summary of Detection Monitoring Results - November 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50160045002	50160045001	50160045004	50160045003	50160045006	50160045005	50160045007	50160045008	50160045009	50160045011	50160045010	50160045012	50160045014
		11/29/2016	11/29/2016	11/28/2016	11/28/2016	11/28/2016	11/28/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/30/2016	11/29/2016
Static Water Elevation (ft MSL)		662.48	662.40	665.95	665.94	664.27	664.33	660.68	660.28	661.84	656.97	657.00	656.42	658.90
Field Parameters														
Temperature	°C	15.67	16.15	17.74	17.40	15.03	15.67	14.00	17.60	19.10	15.62	15.93	14.97	16.23
Dissolved Oxygen, Field	mg/L	1.57	0.25	0.10	0.77	0.35	0.82	3.32	2.95	1.41	0.33	6.50	6.95	-2.26
Conductivity, Field	uS/cm	1729	966	4009	3641	1332	1058	1554	3790	3827	3118	3464	2877	2968
ORP, Field	mV	-321.0	-355.0	-73.1	-135.5	-93.3	73.7	-50.4	-185.0	-233.7	-340.5	-306.6	-307.2	-166.9
pH, Field	Std. Units	7.06	7.13	7.27	7.34	7.20	6.95	6.92	7.19	6.92	7.38	7.30	7.22	7.17
Analytical Data														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	8.5	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	21.7	<10	<10	<10	<10	35.1	417	372	<10	<10
Barium, Total	ug/L	39.3	43.3	36.2	185	47.4	62.8	128	26.6	189	63.7	62.5	36.4	27.7
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	4200	1390	5630	6920	1640	1640	22000	6100	14700	19300	20700	17200	14700
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	151000	83000	244000	249000	93500	136000	216000	242000	360000	380000	408000	219000	280000
Chloride	mg/L	148	91.2	703	599	200	57.9	71.6	615	538	282	371	150	225
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.39	0.58	2.6	1.3	0.42	1.3	0.11	3.4	0.91	0.3	0.36	0.2	0.44
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	70.8	35	91.2	88.2	46	27.2	25.4	94.6	101	127	128	184	119
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	128	151	279	190	89.6	98.4	<10	321	243	488	486	389	140
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	39	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	422	78.5	458	685	97.6	151	369	793	739	667	580	598	542
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	1070	531	2460	2250	693	612	1090	2400	2740	2280	2540	2150	2240
Total Radium	pCi/L	0.931	1.34	0.73	2.44	<0.603	<0.284	0.792	1.29	0.885	2.03	1.63	1.52	1.49
pH at 25 Degrees C	Std. Units	7.3	7.4	7.5	7.5	7.5	7.3	7.1	7.4	7	7.5	7.4	7.3	7.2

Notes:

ft MSL: Elevation, feet mean sea level

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mV: millivolt

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mg/L: milligram per liter

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

Table 6
 Summary of Detection Monitoring Results - November 2016
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14
		50160045015	50160045013	50160045017	50160045016	50160045019	50160045018	50160045021	50160045020	50160045023	50160045022	50160045024
		11/28/2016	11/28/2016	11/29/2016	11/29/2016	11/30/2016	11/30/2016	11/29/2016	11/29/2016	11/29/2016	11/29/2016	11/30/2016
Static Water Elevation (ft MSL)		658.80	658.73	664.50	664.48	655.42	652.45	657.21	657.22	659.04	659.10	655.79
Field Parameters												
Temperature	°C	16.48	16.35	19.10	19.57	12.61	11.98	17.44	17.47	17.02	17.36	14.00
Dissolved Oxygen, Field	mg/L	1.35	1.25	0.34	0.16	0.41	5.35	0.13	0.94	4.25	3.25	0.14
Conductivity, Field	uS/cm	1324	1417	3163	4017	1554	653	3171	3088	4418	4228	2667
ORP, Field	mV	-82.6	-17.80	-278.9	-265.6	-286.8	-266.3	-234.3	-88.6	-231.4	-246.3	-289.2
pH, Field	Std. Units	7.22	7.13	7.43	7.43	7.08	7.54	7.55	7.71	7.47	7.30	7.67
Analytical Data												
Antimony, Total	ug/L	<6	11.9	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	406	545	12	<10	280	14.4	291	426	103
Barium, Total	ug/L	25.1	43.5	24.6	66.5	33.8	161	28.6	37.4	39.6	40.4	46.4
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	6640	9140	11900	12700	8610	479	15700	16100	23900	24900	29000
Cadmium, Total	ug/L	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	118000	164000	269000	443000	191000	95600	363000	328000	491000	423000	397000
Chloride	mg/L	66.8	51.9	353	468	80	21.9	280	346	537	560	111
Chromium, Total	ug/L	<10	<10	<10	<10	<10	14.3	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.61	0.15	2.2	3.1	0.29	1.5	0.38	0.42	0.37	0.55	0.39
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	62.3	116	92.2	96.6	137	21.7	140	189	176	148	352
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	189	368	274	241	<10	82.9	249	269	695	517	245
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	342	452	809	893	436	97.2	626	630	1360	588	749
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	857	943	2210	2950	1040	387	2360	2150	3170	3040	2100
Total Radium	pCi/L	1.65	1.13	1.49	1.54	0.788	1.55	2.02	0.94	2.61	1.34	1.22
pH at 25 Degrees C	Std. Units	7.4	7.4	7.4	7.5	7.3	7.8	7.6	7.8	7.4	7.4	7.6

Notes:

ft MSL: Elevation, feet mean sea level

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Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

Static water elevation listed for a well may have

been collected on a date different than date of well

sampling.

Table 7
 Summary of Detection Monitoring Results - January 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D	MW-9I
		50163687002	50163687001	50163687004	50163687003	50163687006	50163687005	50163687007	50163687008	50163687009	50163687011	50163687010	50163687012	50163687014	50163687015
		1/26/2017	1/26/2017	1/24/2017	1/24/2017	1/24/2017	1/24/2017	1/24/2017	1/25/2017	1/25/2017	1/25/2017	1/25/2017	1/26/2017	1/25/2017	1/25/2017
Static Water Elevation (ft MSL)		665.43	665.34	668.05	668.04	666.46	666.56	661.81	661.36	663.28	659.35	659.45	661.80	659.09	559.18
Field Parameters															
Temperature	°C	16.20	15.71	17.03	16.76	14.29	15.16	13.72	18.70	18.57	14.92	15.01	12.71	15.90	16.03
Dissolved Oxygen, Field	mg/L	1.85	0.91	0.67	6.02	0.78	1.34	5.50	1.24	0.31	0.25	0.17	0.52	0.18	0.36
Conductivity, Field	uS/cm	1976	1513	4656	3813	1768	1520	1942	4178	4074	4528	4899	3361	3169	1742
ORP, Field	mV	-12.3	78.7	-74.9	-73.1	-26.4	-4.3	9.9	-39.6	31.4	-107.9	-101.3	-55.2	-21.0	27.0
pH, Field	Std. Units	6.87	6.94	6.92	6.82	6.93	6.83	6.73	6.92	6.37	7.20	7.06	6.84	6.70	6.84
Analytical Data															
Antimony, Total	ug/L	<6	<6	<6	<6	<6	6.4	<6	<6	<6	<12	<12	<6	<6	<6
Arsenic, Total	ug/L	<10	35.8	<10	17.3	<10	<10	<10	<10	11.6	468	352	<10	<10	<10
Barium, Total	ug/L	44.2	127	30.1	97.4	53.2	63.6	119	25.1	105	82.6	71.8	38.7	25	30.8
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3260	1930	7070	5170	1100	1160	14200	5530	8620	21200	23300	16300	12800	4910
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	120000	94500	243000	189000	84000	127000	184000	211000	307000	417000	427000	208000	220000	112000
Chloride	mg/L	130	119	661	439	196	80.4	52.4	531	384	399	514	192	193	75.7
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.41	0.69	2.4	2.4	0.4	1.2	<0.1	3.4	0.74	0.26	0.34	0.18	0.4	0.53
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	60.7	41.3	90.2	72.6	35.5	23.7	20.9	85.7	114	150	145	155	109	59.6
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	121	247	262	214	66.6	88.9	<10	313	166	461	439	294	143	157
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	19.6	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	291	113	771	536	111	105	476	923	743	1590	1220	1300	1170	364
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	901	603	2310	1770	669	627	924	1970	2140	2570	2820	1880	1740	753
Total Radium	pCi/L	1.94	2.14	1.29	0.975	0.806	<0.0303	1.59	1.63	1.25	1.59	<0.518	0.795	1.18	<0.652
pH at 25 Degrees C	Std. Units	7.2	7.4	7.5	7.5	7.5	7.3	7.1	7.4	6.9	7.4	7.3	7.2	7.3	7.4

Notes:

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Table 7
 Summary of Detection Monitoring Results - January 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50163687013	50163687017	50163687016	50163687019	50163687018	50163687021	50163687020	50163687023	50163687022	50163687024
		1/25/2017	1/25/2017	1/25/2017	1/26/2017	1/26/2017	1/25/2017	1/25/2017	1/25/2017	1/25/2017	1/26/2017
Static Water Elevation (ft MSL)		659.13	665.95	665.95	660.44	658.91	657.53	657.53	660.66	660.69	659.75
Field Parameters											
Temperature	°C	16.00	18.39	19.08	11.92	10.96	16.86	17.18	16.32	16.02	13.38
Dissolved Oxygen, Field	mg/L	0.15	0.38	0.24	0.76	1.43	0.77	1.45	0.76	3.34	0.71
Conductivity, Field	uS/cm	1880	4039	5348	2110	1022	4123	4652	5602	5407	4497
ORP, Field	mV	72.5	-63.8	22.3	-109.2	-331.2	-83.3	8.4	-108.8	-6.9	-139.2
pH, Field	Std. Units	7.09	7.05	6.99	6.92	7.50	7.12	7.30	7.13	6.95	7.35
Analytical Data											
Antimony, Total	ug/L	12.5	<6	<6	<6	<6	<6	<6	<6	<6	<30
Arsenic, Total	ug/L	<10	433	507	10.7	<10	275	18.1	315	397	116
Barium, Total	ug/L	44.6	25.3	77	38.7	86.1	30.1	36.9	38.4	59.4	80.3
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	8310	11800	8780	8210	422	16400	13300	28500	24500	35300
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	151000	253000	466000	186000	48600	364000	306000	510000	420000	532000
Chloride	mg/L	61.4	401	549	82.7	22.2	308	549	611	634	261
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.1	2.3	2.7	0.31	1.6	0.49	0.52	0.37	0.57	0.31
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	114	92	95.2	133	<20	166	158	190	143	520
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	290	251	200	<10	83.4	254	227	704	481	219
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	498	1240	1750	632	139	1600	1020	1980	1830	2160
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	871	2060	3000	1080	419	2380	2400	3190	2980	2950
Total Radium	pCi/L	1.22	<0.656	<0.471	<0.236	<0.926	<0.65	<0.687	2.82	1.97	1.13
pH at 25 Degrees C	Std. Units	7.5	7.6	7.5	7.2	7.7	7.6	7.7	7.4	7.3	7.5

Notes:

ft MSL: Elevation, feet mean sea level

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uS/cm: microsiemen per centimeter

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mV: millivolt

Std. Units: standard units

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Static water elevation listed for a well may have

been collected on a date different than date of well sampling.

Table 8
 Summary of Detection Monitoring Results - May 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50171759002	50171759001	50171759004	50171759003	50171759006	50171759005	50171759007	50171759008	50171759009	50171759011	50171759010	50171759012	50171759014
		5/23/2017	5/23/2017	5/22/2017	5/22/2017	5/22/2017	5/22/2017	5/22/2017	5/23/2017	5/23/2017	5/23/2017	5/23/2017	5/23/2017	5/23/2017
Static Water Elevation (ft MSL)		664.37	664.30	667.66	667.60	666.88	666.95	664.34	662.97	663.16	659.10	659.18	659.48	662.43
Field Parameters														
Temperature	°C	17.34	17.34	16.94	16.06	14.04	13.69	12.01	17.84	19.09	16.90	15.93	12.98	15.87
Dissolved Oxygen, Field	mg/L	1.96	0.83	0.45	1.45	0.28	3.42	8.78	0.20	0.66	0.36	0.22	3.68	0.34
Conductivity, Field	uS/cm	1546	1186	2897	2530	1212	910	1047	2581	2639	3357	3333	1943	1666
ORP, Field	mV	606.7	453.5	-79.4	-73.4	-3.4	-8.5	-67.8	88.6	136.8	16.1	-63.6	670.4	16.5
pH, Field	Std. Units	6.88	7.02	7.21	6.83	6.72	6.44	6.48	7.24	6.53	7.18	6.91	6.61	6.91
Analytical Data														
Antimony, Total	ug/L	<6	<6	<6	<6	9.6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	11.7	23.3	<10	27	<10	<10	<10	<10	12.4	509	373	<10	<10
Barium, Total	ug/L	48.4	72.5	28.6	138	62.4	32.5	70.3	24.8	80.5	66	59.8	89.9	33.9
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2790	602	6870	7120	596	1640	8360	4480	11700	23000	23300	10900	7980
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	142000	100000	208000	228000	85500	109000	137000	177000	289000	411000	390000	195000	143000
Chloride	mg/L	145	101	517	361	193	37.6	37.9	469	272	493	516	160	170
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.42	0.69	2.6	1.4	0.38	0.76	0.11	3.4	0.83	0.25	0.37	0.16	0.46
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	54.8	25.6	73.3	60.6	27.8	<20	<20	57.4	99	136	135	94	71.9
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	97	106	263	135	57.4	63.9	<10	319	142	441	429	208	124
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	20.5	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	348	88.9	578	517	70.5	106	148	123	96.4	732	677	541	394
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	953	596	2020	1720	658	498	651	1700	1880	2710	2690	1350	1140
Total Radium	pCi/L	0.914	2.41	1.42	1.5	1.4	0.72	<0.3	1.35	0.964	2.03	2.27	<0.522	1.88
pH at 25 Degrees C	Std. Units	7.7	7.3	7.4	7.3	7.4	7.4	7.2	7.2	6.9	7.6	7.3	7.3	7.4

Notes:

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Static water elevation listed for a well may have

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Table 8
 Summary of Detection Monitoring Results - May 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14 (MW-14D)
		50171759015	50171759013	50171759017	50171759016	50171759019	50171759018	50171759021	50171759020	50171759023	50171759022	50171759024
		5/23/2017	5/23/2017	5/23/2017	5/23/2017	5/24/2017	5/24/2017	5/23/2017	5/23/2017	5/23/2017	5/23/2017	5/23/2017
Static Water Elevation (ft MSL)		662.49	662.46	665.93	665.94	658.49	657.86	660.39	660.42	660.67	660.71	658.49
Field Parameters												
Temperature	°C	15.65	15.24	18.00	17.55	12.60	12.73	17.40	17.65	17.06	17.34	13.92
Dissolved Oxygen, Field	mg/L	0.39	1.91	0.29	0.92	0.22	0.51	0.25	0.88	0.22	0.24	0.30
Conductivity, Field	uS/cm	1217	1268	3060	3072	1348	707	3168	2948	3830	3583	3090
ORP, Field	mV	40.1	80.2	-52.1	3.5	416.7	373.5	-33.4	-8.9	-58.1	-160.1	346.6
pH, Field	Std. Units	7.00	7.18	7.24	7.43	6.93	7.58	7.11	7.48	6.93	6.80	7.42
Analytical Data												
Antimony, Total	ug/L	<6	12.6	<6	<6	<6	<6	<6	7.7	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	399	440	14.4	<10	268	19.4	306	386	124
Barium, Total	ug/L	33	39.2	24.4	53.4	34.2	79.7	30.7	37.3	29.3	41.5	53.5
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3570	5920	7980	7370	7850	415	14400	13800	28200	21000	39800
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	117000	151000	226000	296000	180000	47900	371000	307000	441000	342000	402000
Chloride	mg/L	95.4	61.6	530	515	93	29.6	424	415	660	531	229
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.57	<0.1	2.2	2.4	0.43	1.5	0.5	0.51	0.36	0.63	0.34
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	51.5	86.7	85.2	72	109	<20	129	155	154	116	662
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	130	217	235	219	<10	78.7	214	273	667	508	224
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	208	273	682	686	484	99.4	644	581	754	686	1740
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	746	854	2180	2290	1040	389	2550	2200	3020	2690	3140
Total Radium	pCi/L	1.77	0.97	1.26	1.12	0.972	1.26	1.52	1.75	3.01	1.65	1.26
pH at 25 Degrees C	Std. Units	7.2	7.4	7.4	7.6	7.4	7.9	7.4	7.6	7.5	7.4	7.5

Notes:

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Static water elevation listed for a well may have

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sampling.

Table 9
 Summary of Detection Monitoring Results - August 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50177313002	50177313001	50177313004	50177313003	50177313006	50177313005	50177313007	50177313008	50177313009	50177313011	50177313010	50177313012	50177313014
		8/9/2017	8/9/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/8/2017	8/8/2017	8/8/2017	8/8/2017	8/9/2017	8/8/2017
Static Water Elevation (ft MSL)		662.79	662.70	666.65	666.64	665.98	666.03	663.33	662.18	662.24	657.86	657.91	657.23	661.41
Field Parameters														
Temperature	°C	14.85	14.18	18.06	17.13	13.72	13.28	13.68	16.65	18.08	15.22	16.18	13.16	15.22
Dissolved Oxygen, Field	mg/L	0.85	0.17	0.58	0.15	0.07	37.40	6.58	0.10	0.41	0.12	0.51	4.12	0.13
Conductivity, Field	uS/cm	1236	945	1417	1405	854	620	769	1227	1204	238	220	1351	1130
ORP, Field	mV	-144.7	-146.4	-87.8	-119.4	-33.5	-6.9	12.4	-56.4	-20.5	-113.3	-119.3	-56.7	-67.9
pH, Field	Std. Units	7.12	7.19	7.30	7.31	7.22	7.00	6.99	7.20	6.86	7.48	7.40	6.81	7.18
Analytical Data														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	7.3	<6	<6	<6	<12	<12	<12	<6
Arsenic, Total	ug/L	<10	14.5	<10	19.8	<10	<10	<10	<10	11.2	504	359	<10	<10
Barium, Total	ug/L	51.3	62.2	36	127	64.4	34.1	93.8	24.8	80.6	69.2	54.6	35.1	34.6
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2270	715	7080	5070	508	618	10200	4740	8480	21200	19600	7920	5490
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	146000	98300	250000	187000	82600	96100	154000	179000	292000	384000	354000	214000	122000
Chloride	mg/L	130	99.3	571	415	153	23.4	42.3	413	267	449	453	100	135
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.41	0.7	2.6	1.8	0.4	0.87	0.12	3.4	1.1	0.28	0.41	0.16	0.49
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	57.4	25.6	87.8	75.2	26.7	<20	22.2	63.9	86.5	152	131	73.8	65.9
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	76.2	88.6	241	141	53.9	64.3	<10	307	185	455	425	150	96
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	19.9	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	223	89.1	531	540	65.6	41.7	147	515	549	999	795	360	317
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	889	570	2100	1640	628	386	708	1640	1900	2480	2510	1170	879
Total Radium	pCi/L	1.58	1.24	1.37	1.3	0.852	1.22	0.775	1.03	1.19	2.35	1.48	0.991	1.54
pH at 25 Degrees C	Std. Units	7.2	7.4	7.5	7.5	7.5	7.4	7.3	7.4	7.1	7.4	7.3	7	7.3

Notes:

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		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14
		50177313015	50177313013	50177313017	50177313016	50177313019	50177313018	50177313021	50177313020	50177313023	50177313022	50177313024
		8/8/2017	8/8/2017	8/8/2017	8/8/2017	8/9/2017	8/9/2017	8/8/2017	8/8/2017	8/8/2017	8/8/2017	8/9/2017
Static Water Elevation (ft MSL)		661.47	661.42	665.11	665.10	656.54	655.24	659.69	659.71	659.65	659.69	656.87
Field Parameters												
Temperature	°C	14.89	15.00	18.38	17.54	11.98	12.16	17.59	17.10	16.36	16.64	13.97
Dissolved Oxygen, Field	mg/L	0.14	0.17	0.21	0.16	0.08	1.12	0.43	0.55	0.10	0.13	0.86
Conductivity, Field	uS/cm	1012	1130	1347	1607	994	579	1407	1499	1074	1265	1593
ORP, Field	mV	-40.5	44.2	-97.2	-103.6	-107.2	-107.7	-127.3	-14.9	-142.1	-86.5	-135.9
pH, Field	Std. Units	7.09	7.07	7.51	7.49	7.20	7.68	7.55	7.58	7.58	7.38	7.69
Analytical Data												
Antimony, Total	ug/L	<6	8	<12	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	447	494	14.5	12.1	204	16.2	277	371	128
Barium, Total	ug/L	34.3	47.9	36.5	71.4	35.1	300	28.2	37.1	25.2	37.1	59.8
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3090	5530	6610	7590	7880	413	14600	12600	20400	18200	35700
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	126000	159000	240000	413000	197000	187000	332000	293000	391000	327000	395000
Chloride	mg/L	88.3	55.7	557	506	87.9	23.3	441	304	541	524	134
Chromium, Total	ug/L	<10	<10	<10	<10	<10	26.7	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	10.5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.58	<0.1	2.2	2.1	0.45	1.5	0.53	0.57	0.43	0.72	0.34
Lead, Total	ug/L	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10
Lithium, Total	ug/L	56.3	90.6	86.2	93.2	124	39	151	160	128	107	541
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	115	191	220	166	<10	73.5	232	283	651	511	200
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	222	330	683	1280	400	97.2	981	669	1160	913	1410
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	750	898	2090	2800	1080	438	2300	1920	2780	2460	2660
Total Radium	pCi/L	0.851	1.39	2.17	1.4	1.22	2.53	1.82	1.11	1.71	1.5	1.9
pH at 25 Degrees C	Std. Units	7.4	7.4	7.6	7.5	7.4	7.8	7.6	7.7	7.6	7.5	7.6

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

pCi/L: picoCurie per liter

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

Table 10
 Summary of Detection Monitoring Results - September 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4S	MW-5S	MW-6S	MW-7D	MW-7S	MW-8S	MW-9D
		50180290002	50180290001	50180290017	50180290018	50180290005	50180290004	50180290006	50180290020	50180290021	50180290024	50180290027	50180290003	50180290009
		9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017
Static Water Elevation (ft MSL)		661.45	662.39	666.50	666.49	665.17	665.25	662.25	661.36	661.94	656.79	656.83	655.90	660.78
Field Parameters														
Temperature	°C	19.13	18.73	19.99	20.26	24.49	20.63	22.40	20.11	21.53	26.46	21.24	18.62	21.15
Dissolved Oxygen, Field	mg/L	4.53	0.17	0.18	0.29	3.74	0.51	4.58	0.50	0.12	4.04	0.32	0.18	0.99
Conductivity, Field	uS/cm	1410.20	1185.77	3045.77	2311.10	1117.54	836.56	992.39	2227.75	2577.32	3369.57	3334.25	2771.99	1396.76
ORP, Field	mV	-39.54	-76.09	-87.56	-121.46	91.39	616.81	762.55	1.40	-103.85	-40.37	-125.93	242.35	683.77
pH, Field	Std. Units	6.99	7.00	7.26	7.13	7.24	7.09	6.96	7.30	6.94	7.12	7.32	7.13	7.18
Analytical Data														
Boron, Total	ug/L	2110	842	6690	4780	548	584	11500	4480	8880	21400	21200	19000	5560
Calcium, Total	ug/L	139000	113000	209000	175000	77700	114000	142000	151000	283000	357000	348000	265000	112000
Chloride	mg/L	137	121	525	335	153	32.8	37.8	330	340	510	582	282	147
Fluoride	mg/L	<0.5	0.62	2.6	1.6	<0.5	0.77	<0.5	3.4	0.93	<0.5	<0.5	<0.5	0.52
Sulfate	mg/L	262	142	669	387	96.8	73.3	178	468	697	945	882	1280	308
Total Dissolved Solids	mg/L	905	691	2100	1530	600	488	646	1470	1880	2520	2460	2100	887
pH at 25 Degrees C	Std. Units	7.3	7.5	7.3	7.3	7.2	7	7.1	7.4	7	7.4	7.4	7.3	7.3

Notes:

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Std. Units: standard units

mg/L: milligram per liter

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Static water elevation listed for a well may have

been collected on a date different than date of well

sampling.

Table 10
 Summary of Detection Monitoring Results - September 2017
 Harding Street Generating Station
 Indianapolis, Indiana
 ATC Project No. 170LF00428

		MW-9I	MW-9S	MW-10D	MW-10S	MW-11D	MW-11S	MW-12D	MW-12S	MW-13D	MW-13S	MW-14D
		50180290008	50180290007	50180290014	50180290013	50180290016	50180290019	50180290011	50180290010	50180290023	50180290022	50180290015
		9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017	9/20/2017
Static Water Elevation (ft MSL)		660.80	660.76	665.02	665.00	655.00	652.15	658.85	659.15	658.94	659.00	655.50
Field Parameters												
Temperature	°C	21.38	27.17	23.32	21.11	17.35	19.99	23.62	22.63	19.20	21.81	17.55
Dissolved Oxygen, Field	mg/L	1.23	1.51	0.96	0.29	0.61	2.70	1.85	3.74	0.17	0.11	0.27
Conductivity, Field	uS/cm	1169.56	1471.07	3005.85	3496.92	1478.05	650.27	3115.46	2666.32	3623.89	3359.21	3402.49
ORP, Field	mV	652.99	947.64	-100.30	-113.52	-97.15	61.11	1108.67	1019.10	-149.33	-110.86	-152.62
pH, Field	Std. Units	7.13	7.09	7.35	7.48	7.06	7.65	7.22	7.63	7.57	7.40	7.62
Analytical Data												
Boron, Total	ug/L	3060	7730	8460	7280	8230	379	14700	12800	22500	19700	40300
Calcium, Total	ug/L	114000	169000	227000	380000	180000	54400	333000	249000	385000	333000	393000
Chloride	mg/L	88.8	68.6	450	463	82.5	20.2	387	316	554	554	208
Fluoride	mg/L	0.59	<0.5	2.1	1.8	<0.5	1.6	<0.5	0.75	<0.5	0.65	<0.5
Sulfate	mg/L	308	396	791	809	461	97.8	728	1040	922	655	1570
Total Dissolved Solids	mg/L	745	1050	2170	2660	1090	412	2420	1890	2800	2460	2980
pH at 25 Degrees C	Std. Units	7.3	7.3	7.2	7.4	6.9	7.6	7.4	7.6	7.4	7.3	7.4

Notes:

ft MSL: Elevation, feet mean sea level

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umhos/cm: micromhos per centimeter

mV: millivolt

Std. Units: standard units

mg/L: milligram per liter

ug/L: microgram per liter

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Static water elevation listed for a well may have

been collected on a date different than date of well

sampling.

FIGURES

Figure 1: Site Location Map

Figure 2: CCR Groundwater Monitoring System

