

ATC Group Services LLC

January 31, 2018

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Mr. David M. Heger  
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**Re: CCR Annual Groundwater Monitoring and Corrective Action Report**

Indianapolis Power & Light Company  
Eagle Valley 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) Eagle Valley Generating Station located outside Martinsville, Morgan 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 Eagle Valley Station located approximately four miles north of Martinsville, Indiana. It is located at 4040 Bluff Road. 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 Eagle Valley 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 Eagle Valley Station consists of twenty-four (24) monitoring wells: MW-1S, MW-1I, MW-1D, MW-2S, MW-2I, MW-2D, MW-3S, MW-3I, MW-4S, MW-4I, MW-4D, MW-6S, MW-6I, MW-6D, MW-7S, MW-8S, MW-9S, MW-9I, MW-9D, MW-10S, MW-11S, MW-11I, MW-11D, and MW-12S. Monitoring wells MW-4S, MW-4I, MW-4D, MW-8S, MW-9S, MW-9I, MW-9D, and MW-10S represent upgradient/background wells, while the remaining represent downgradient wells. The wells were installed in accordance with the requirements of Federal CCR Rule §257.91 between September 28, 2015 and March 17, 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 Eagle Valley Station is included in the Indianapolis Power & Light Company Eagle Valley 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);***

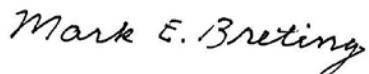
Consistent with § 257.90(e), the 2017 annual report documents activities conducted during the prior calendar year at the CCR management units subject to the Rule. The statistical analysis of the initial minimum eight rounds of groundwater sampling was not completed in 2017 and therefore is not reported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

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**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-1S	9/29/2015	Downgradient	9	4/19/2016 6/2/2016 8/10/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/28/2017	Detection
MW-1I	3/1/2016	Downgradient	9	4/19/2016 6/2/2016 8/10/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/28/2017	Detection
MW-1D	10/1/2015	Downgradient	9	4/19/2016 6/2/2016 8/10/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/28/2017	Detection
MW-2S	9/28/2015	Downgradient	9	4/19/2016 6/1/2016 8/11/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/27/2017	Detection

**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-2I	3/7/2016	Downgradient	9	4/19/2016 6/1/2016 8/11/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/27/2017	Detection
MW-2D	3/4/2016	Downgradient	9	4/19/2016 6/2/2016 8/11/2016 9/30/2016 12/2/2016 1/31/2017 5/26/2017 8/11/2017 9/27/2017	Detection
MW-3S	9/28/2015	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/30/2016 12/2/2016 1/31/2017 5/25/2017 8/11/2017 9/27/2017	Detection
MW-3I	3/8/2016	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/30/2016 12/2/2016 1/31/2017 5/25/2017 8/11/2017 9/27/2017	Detection

**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-4S	10/1/2015	Upgradient/Background	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-4I	3/11/2016	Upgradient/Background	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-4D	3/2/2016	Upgradient/Background	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-6S	10/2/2015	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection

**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-6I	3/17/2016	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection
MW-6D	3/8/2016	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection
MW-7S	10/2/2015	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection
MW-8S	9/29/2015	Upgradient/Background	9	4/20/2016 5/31/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection

**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-9S	10/21/2015	Upgradient/Background	9	4/21/2016 5/31/2016 8/11/2016 9/29/2016 11/30/2016 1/30/2017 5/24/2017 8/10/2017 9/27/2017	Detection
MW-9I	3/10/2016	Upgradient/Background	9	4/21/2016 5/31/2016 8/11/2016 9/29/2016 11/30/2016 1/30/2017 5/24/2017 8/10/2017 9/26/2017	Detection
MW-9D	3/10/2016	Upgradient/Background	9	4/21/2016 5/31/2016 8/11/2016 9/29/2016 11/30/2016 1/30/2017 5/24/2017 8/10/2017 9/26/2017	Detection
MW-10S	10/3/2015	Upgradient/Background	9	4/21/2016 5/31/2016 8/11/2016 9/29/2016 11/30/2016 1/30/2017 5/24/2017 8/9/2017 9/28/2017	Detection

**Table 1**  
**Well Sampling Summary**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF00428**

Identification	Date Installed	Upgradient/Background or Downgradient	Number of Samples	Sample Date	Detection or Assessment Monitoring
MW-11S	3/16/2016	Downgradient	9	4/20/2016 6/2/2016 8/12/2016 9/30/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-11I	3/16/2016	Downgradient	9	4/20/2016 6/2/2016 8/12/2016 9/30/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-11D	3/16/2016	Downgradient	9	4/20/2016 6/2/2016 8/12/2016 9/30/2016 12/1/2016 1/31/2017 5/25/2017 8/10/2017 9/28/2017	Detection
MW-12S	3/17/2016	Downgradient	9	4/20/2016 6/1/2016 8/11/2016 9/29/2016 12/1/2016 1/30/2017 5/25/2017 8/10/2017 9/27/2017	Detection

**Table 2**  
 Summary of Detection Monitoring Results - April 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50143418003	50143418002	50143418001	50143418006	50143418005	50143418004	50143418008	50143418007	50143418011	50143418010	50143418009	50143418014	50143418013
		4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/19/2016	4/20/2016	4/20/2016	4/20/2016	4/20/2016	4/20/2016	4/20/2016	4/20/2016
Static Water Elevation (ft MSL)		593.57	593.52	593.77	594.02	594.04	594.02	594.13	594.22	595.40	595.37	594.24	595.17	595.19
<b>Field Parameters</b>														
Temperature	°C	12.76	12.24	13.78	13.54	16.09	12.76	8.90	12.31	15.04	15.35	12.17	14.29	14.04
Dissolved Oxygen, Field	mg/L	1.80	1.78	1.50	1.31	0.51	0.54	8.90	0.77	0.67	0.65	0.92	0.53	1.12
Conductivity, Field	uS/cm	879	869	1200	889	934	817	730	888	774	795	604	1269	1226
ORP, Field	mV	-71.3	-61.4	4.9	-117.5	-101.9	-123.0	-8.4	-45.0	-115.3	-77.9	-81.1	-93.4	-96.9
pH, Field	Std. Units	7.62	7.65	6.91	7.67	7.71	7.72	7.59	7.10	7.65	7.46	7.42	7.45	7.44
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	15.9	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	77.7	52.8	74.8	71.7	76.3	115	73.9	92.6	75.5	78.6	41	71.6	64
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2560	3800	3860	1020	1460	1330	931	1660	194	236	130	5990	3430
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	83900	85400	215000	83200	73200	71700	81200	123000	75400	90400	80100	141000	121000
Chloride	mg/L	166	158	84.6	146	163	144	138	90.7	110	96.7	70.7	243	262
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	0.44	0.42	0.33	0.42	0.46	0.42	0.33	0.26	0.21	0.35	0.29	0.2	0.34
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	10.5	<10	<10	<10	<10
Lithium, Total	ug/L	108	100	100	115	126	86	86.1	89.6	24.6	25.3	<20	155	148
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	108	126	32.6	103	102	69.2	71.1	54.5	31.1	20	<10	184	201
Selenium, Total	ug/L	<10	<10	16.8	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	195	145	430	171	202	177	164	158	118	98.4	58.1	334	207
Thallium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Dissolved Solids	mg/L	408	632	999	637	577	649	680	3240	487	531	584	949	878
Total Radium	pCi/L	2.54	0.857	0.662	1.51	<0.547	0.8	0.893	<0.316	1.05	0.931	<0.313	1.29	0.939
pH at 25 Degrees C	Std. Units	7.6	7.7	7.1	7.6	7.8	7.7	7.6	7.2	7.6	7.5	7.5	7.5	7.4

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  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50143418012	50143418015	50143418016	50143418019	50143418018	50143418017	50143418020	50143418023	50143418022	50143418021	50143418024
		4/20/2016	4/20/2016	4/20/2016	4/21/2016	4/21/2016	4/21/2016	4/21/2016	4/20/2016	4/20/2016	4/20/2016	4/20/2016
Static Water Elevation (ft MSL)		595.23	595.59	595.62	595.78	595.74	595.76	595.60	594.66	594.50	594.46	595.01
<b>Field Parameters</b>												
Temperature	°C	12.88	15.71	13.93	13.00	13.12	12.45	15.02	14.83	14.84	15.07	16.16
Dissolved Oxygen, Field	mg/L	5.48	0.48	2.82	0.46	0.46	8.53	1.26	0.40	0.38	3.02	0.61
Conductivity, Field	uS/cm	938	1194	610	654	656	648	1212	971	1029	1038	1017
ORP, Field	mV	-5.2	-103.0	-17.4	-65.7	-72.9	33.2	-35.5	-106.6	-101.6	-49.9	-94.4
pH, Field	Std. Units	6.91	6.94	7.31	7.38	7.63	7.03	7.25	7.57	7.47	7.50	7.49
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	146	<10
Barium, Total	ug/L	190	164	77.7	96.8	73.1	68.5	78.3	90.1	72.6	107	123
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2840	7920	199	146	168	226	6920	3440	2330	7700	1820
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	163000	223000	95500	89600	76000	129000	139000	101000	108000	117000	111000
Chloride	mg/L	61.1	47.3	52.8	81.5	89	19.7	140	147	149	160	175
Chromium, Total	ug/L	<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
Fluoride	mg/L	0.24	0.16	0.27	0.19	0.41	0.16	0.39	0.26	0.39	0.32	0.58
Lead, Total	ug/L	<10	12.9	<10	<10	<10	<10	<10	17.7	<10	<10	<10
Lithium, Total	ug/L	75.6	126	<20	<20	20	<20	124	102	120	115	94.5
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	93.6	130	<10	<10	12.6	<10	155	202	179	181	118
Selenium, Total	ug/L	15.5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	161	513	68.2	73	94	75	401	215	321	210	174
Thallium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Total Dissolved Solids	mg/L	735	975	438	463	442	494	926	715	763	762	702
Total Radium	pCi/L	0.794	1.18	0.629	0.556	0.835	<0.521	1.04	2.57	1.64	0.932	2.45
pH at 25 Degrees C	Std. Units	7	7.1	7.3	7.4	7.6	7.1	7.2	7.5	7.5	7.5	7.5

## 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 3**  
 Summary of Detection Monitoring Results - May-June 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50146400003	50146400002	50146400001	50146400006	50146400005	50146400004	50146400008	50146400007	50146400011	50146400010	50146400009	50146400014	50146400013
		6/2/2016	6/2/2016	6/2/2016	6/2/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016	6/1/2016
Static Water Elevation (ft MSL)		590.65	590.63	590.86	591.29	591.31	591.27	591.75	592.1	593.75	593.24	593.19	592.91	592.94
<b>Field Parameters</b>														
Temperature	°C	13.24	13.54	14.95	13.44	15.27	11.60	7.32	12.58	15.17	15.46	15.31	14.99	14.77
Dissolved Oxygen, Field	mg/L	0.53	1.44	0.37	0.57	0.17	0.20	8.27	0.18	0.20	0.27	1.50	0.30	0.15
Conductivity, Field	uS/cm	1138	1133	1268	1132	1023	1038	1075	1157	926	769	802	1586	16.72
ORP, Field	mV	-48.0	1.6	-22.7	-21.0	4.4	23.5	45.0	-6.3	-36.3	26.8	81.1	97.3	121.1
pH, Field	Std. Units	7.29	7.28	7.07	7.18	7.63	7.57	6.97	6.92	7.23	7.12	7.20	7.21	7.15
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	74.5	50.4	73.3	62.2	61.9	117	72.2	86.9	46.5	58.6	33.8	58.9	59.4
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2910	3680	3280	1300	1150	1530	1190	1390	191	239	108	5890	3540
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	83800	81500	121000	81700	64000	71100	83800	103000	69400	88200	77800	133000	121000
Chloride	mg/L	159	160	146	146	140	148	145	129	108	96.8	73.8	239	319
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	0.44	0.42	0.52	0.41	0.45	0.4	0.29	0.28	0.19	0.31	0.28	0.18	0.32
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	99	96.2	110	110	116	79.6	67.1	90.5	<20	20.9	<20	134	146
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	118	126	71.7	107	115	72.2	66.3	68.6	29	18.8	<10	185	198
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	188	163	206	143	138	124	148	145	95.8	63.1	51	238	143
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	654	627	756	647	539	544	570	632	478	491	403	906	900
Total Radium	pCi/L	1.18	<0.598	<0.312	1.78	1.63	0.826	1.08	<0.0477	1.59	0.724	<0.171	2.23	2.02
pH at 25 Degrees C	Std. Units	7.7	7.6	7.2	7.7	7.8	7.7	7.6	7.4	7.6	7.4	7.5	7.5	7.5

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 3**  
 Summary of Detection Monitoring Results - May-June 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50146400012	50146400015	50146400016	50146400019	50146400018	50146400017	50146400020	50146400023	50146400022	50146400021	50146400024
		6/1/2016	6/1/2016	5/31/2016	5/31/2016	5/31/2016	5/31/2016	5/31/2016	6/2/2016	6/2/2016	6/2/2016	6/1/2016
Static Water Elevation (ft MSL)		590.98	593.72	594.24	594.27	594.27	594.28	593.84	591.8	591.65	591.60	592.52
<b>Field Parameters</b>												
Temperature	°C	13.55	15.83	14.92	14.00	14.19	13.72	16.52	15.18	15.43	16.17	15.94
Dissolved Oxygen, Field	mg/L	4.57	0.17	1.46	0.28	0.38	8.93	2.89	0.30	0.40	1.62	0.19
Conductivity, Field	uS/cm	1188	1414	830	813	815	818	1509	1203	1331	1212	1239
ORP, Field	mV	134.3	143.5	30.0	6.3	19.2	-8.8	-10.4	-62.8	-12.8	-22.7	96.9
pH, Field	Std. Units	6.24	6.43	7.05	7.05	7.29	6.73	6.88	7.28	7.28	7.44	7.23
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	100	<10
Barium, Total	ug/L	130	145	74.7	86	67.5	73	76.6	76.5	68.4	72.1	81.1
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2800	6560	239	134	173	211	7200	3890	2540	8370	1720
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	152000	192000	93500	82100	72500	118000	135000	98400	107000	102000	94500
Chloride	mg/L	58.3	77.5	64.8	79.7	87.4	24.8	144	149	152	161	177
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	0.23	0.17	0.28	0.17	0.38	0.15	0.36	0.23	0.39	0.34	0.57
Lead, Total	ug/L	<10	10.4	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	70.9	162	<20	<20	<20	<20	110	99.6	124	119	91.7
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	101	195	<10	<10	13.5	<10	174	200	180	218	138
Selenium, Total	ug/L	12.4	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	106	245	67	45.3	70	56.7	288	207	259	175	107
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	670	874	452	433	437	435	369	732	809	711	660
Total Radium	pCi/L	1.27	2.14	1.02	1.2	<0.626	1.11	2.01	1.29	1.98	<0.344	0.772
pH at 25 Degrees C	Std. Units	7	7.2	7.4	7.6	7.7	7.2	7.4	7.5	7.5	7.5	7.5

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 4**  
 Summary of Detection Monitoring Results - August 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50151787003	50151787002	50151787001	50151787006	50151787005	50151787004	50151787008	50151787007	50151787011	50151787010	50151787009	50151787014	50151787013
		8/10/2016	8/10/2016	8/10/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016
Static Water Elevation (ft MSL)		589.18	589.70	589.42	589.93	589.96	589.95	590.55	591.72	592.72	592.71	592.81	591.08	586.09
<b>Field Parameters</b>														
Temperature	°C	13.50	13.92	14.88	13.51	14.18	11.58	8.18	9.30	15.05	15.17	24.54	15.67	15.22
Dissolved Oxygen, Field	mg/L	1.18	0.81	0.40	0.74	1.17	1.44	0.85	1.23	0.85	0.31	0.52	0.34	0.62
Conductivity, Field	uS/cm	1061	1127	1208	1134	1049	1017	1097	1103	915	966	853	1641	1503
ORP, Field	mV	-14.7	71.0	81.4	-44.3	-44.6	78.8	10.5	-0.2	-54.2	0.31	-29.7	34.0	31.08
pH, Field	Std. Units	7.34	7.40	7.10	7.31	7.54	7.12	7.21	7.27	7.28	7.20	7.41	7.25	7.28
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	15.9	<10	<10	16.9	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	67.2	54.4	75	65.6	65	111	72.7	106	49.4	63.6	39.4	63.1	55.5
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2840	3830	2700	1740	871	2220	1510	1990	184	272	150	5540	3050
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	74700	79000	97200	83500	66700	69200	81800	85000	68400	88300	70800	131000	104000
Chloride	mg/L	140	149	140	142	146	140	132	112	108	87.6	91.8	262	245
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	0.4	0.55	0.38	0.4	0.37	0.28	0.25	0.18	0.29	0.31	0.17	0.32
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	91	92.3	107	109	114	79.2	68.2	67.5	<20	<20	<20	138	133
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	128	124	91.3	102	111	62	64	48.7	26.7	17.8	<10	188	215
Selenium, Total	ug/L	<10	<10	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	175	174	184	162	156	122	172	153	98.5	81.8	70.4	232	159
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	612	652	718	671	603	571	616	632	504	533	452	994	874
Total Radium	pCi/L	1.13	1.21	0.813	1.65	1.35	1.22	1.88	<0.492	0.714	1.43	<0.0822	0.894	1.49
pH at 25 Degrees C	Std. Units	7.7	7.6	7.4	7.6	7.7	7.5	7.6	7.5	7.6	7.4	7.5	7.4	7.4

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 4**  
 Summary of Detection Monitoring Results - August 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50151787012	50151787015	50151787016	50151787019	50151787018	50151787017	50151787020	50151787023	50151787022	50151787021	50151787024
		8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/11/2016	8/12/2016	8/12/2016	8/12/2016	8/11/2016
Static Water Elevation (ft MSL)		591.14	592.34	593.24	593.10	593.09	593.11	592.11	590.17	590.04	589.96	590.68
<b>Field Parameters</b>												
Temperature	°C	15.13	16.93	21.80	14.42	14.83	16.17	17.04	15.22	15.57	16.18	14.81
Dissolved Oxygen, Field	mg/L	4.54	1.38	5.85	0.56	0.47	2.72	0.77	0.57	0.69	1.72	0.88
Conductivity, Field	uS/cm	1209	1387	1399	799	875	777	1350	1211	1340	1176	1161
ORP, Field	mV	34.6	47.5	39.8	50.9	59.8	37.9	72.5	-55.0	65.2	83.4	68.0
pH, Field	Std. Units	6.81	7.06	7.11	7.25	7.38	7.07	7.18	7.20	7.15	7.25	7.39
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	61	<10
Barium, Total	ug/L	133	149	63.3	83.6	69.7	71.2	68.2	77.9	69.2	76.2	68.8
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2920	6200	150	120	153	173	6130	4230	3680	10100	2450
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	147000	182000	74000	77300	74500	86300	119000	98000	111000	97900	87400
Chloride	mg/L	69.1	90.8	64.3	79.8	104	43.6	123	150	153	172	155
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cobalt, Total	ug/L	<5	6.6	<5	<5	<5	<5	<5	<5	<5	<5	<5
Fluoride	mg/L	0.22	0.15	0.32	0.17	0.36	0.23	0.37	0.21	0.36	0.35	0.47
Lead, Total	ug/L	<10	10.9	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	73.6	170	<20	<20	<20	<20	100	91.7	115	105	82.1
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	116	202	10.3	<10	12.7	<10	204	189	173	256	136
Selenium, Total	ug/L	11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	132	170	52.8	58.8	94.9	51.8	231	239	349	176	174
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	707	934	405	434	484	422	819	702	810	611	645
Total Radium	pCi/L	0.711	1.83	1.04	<0.397	0.825	<0.37	0.797	1.28	1.46	0.819	0.652
pH at 25 Degrees C	Std. Units	7	7.2	7.4	7.5	7.6	7.3	7.3	7.5	7.4	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 5**  
 Summary of Detection Monitoring Results -September 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50155601003	50155601002	50155601001	50155601006	50155601005	50155601004	50155601008	50155601007	50155601011	50155601010	50155601009	50155601014	50155601013
		9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/29/2016	9/29/2016	9/29/2016	9/29/2016	9/29/2016
Static Water Elevation (ft MSL)		589.96	590.02	590.01	589.77	590.79	589.78	591.37	592.00	593.43	593.42	593.52	591.63	591.63
<b>Field Parameters</b>														
Temperature	°C	13.33	13.40	13.73	13.34	13.55	12.29	8.12	11.54	15.83	16.59	23.51	15.08	15.11
Dissolved Oxygen, Field	mg/L	0.31	0.30	0.36	0.22	0.21	0.38	0.69	0.64	0.44	0.57	0.47	0.52	1.15
Conductivity, Field	uS/cm	1051	1125	1285	1138	1050	1088	1121	934	917	969	814	1695	1505
ORP, Field	mV	10.8	21.0	16.0	-13.5	13.5	16.6	29.1	10.5	23.5	63.08	65.10	98.5	104.2
pH, Field	Std. Units	7.25	7.30	7.02	7.24	7.44	7.20	7.03	7.02	7.06	6.92	7.33	7.06	7.05
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	6.3	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	14.2	<10	<10	19.8	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	64.7	56.2	83.4	60.7	59.7	124	76.8	90.4	45.3	61.5	40.6	63.8	56.6
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2910	3560	3710	2160	869	2380	1780	1030	189	278	139	5630	3210
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	70600	76200	110000	81400	61800	76700	87000	78800	65900	81600	66200	131000	104000
Chloride	mg/L	131	154	127	144	142	139	128	82.4	97.3	94.1	79.6	274	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	0.46	0.42	0.51	0.39	0.42	0.35	0.27	0.27	0.2	0.31	0.31	0.18	0.33
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	90.9	92.5	92.2	106	116	88.8	84.7	83.8	<20	<20	<20	137	136
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	126	123	71.5	99.4	109	48.5	57.5	41.3	24.5	16.9	<10	180	214
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	171	165	223	146	149	117	146	82.4	97.4	87.6	81.4	292	186
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	575	624	762	639	568	583	629	511	480	487	433	1020	879
Total Radium	pCi/L	1.89	4.27	0.898	2.28	1.24	1.36	1.63	1.02	1.77	1.57	1.41	2.01	2.47
pH at 25 Degrees C	Std. Units	7.7	7.6	7.3	7.6	7.7	7.4	7.5	7.4	7.6	7.4	7.5	7.4	7.5

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  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50155601012	50155601015	50155601016	50155601019	50155601018	50155601017	50155601020	50155601023	50155601022	50155601021	50155601024
		9/29/2016	9/29/2016	9/29/2016	9/29/2016	9/29/2016	9/29/2016	9/29/2016	9/30/2016	9/30/2016	9/30/2016	9/29/2016
Static Water Elevation (ft MSL)		591.64	592.95	593.91	593.71	593.69	593.72	592.58	590.15	590.39	590.25	591.28
<b>Field Parameters</b>												
Temperature	°C	14.39	15.81	15.92	14.07	14.53	16.73	16.27	14.63	15.00	15.14	N/A
Dissolved Oxygen, Field	mg/L	3.01	0.62	0.43	0.60	0.92	1.37	0.59	0.25	0.58	1.00	N/A
Conductivity, Field	uS/cm	1262	1457	829	861	988	817	1316	1214	1349	1184	N/A
ORP, Field	mV	94.8	92.0	52.7	37.5	38.1	-0.30	-5.3	-19.4	14.2	9.8	N/A
pH, Field	Std. Units	6.65	6.87	7.10	7.16	7.27	7.03	7.08	7.14	7.19	7.43	N/A
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	6.3	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	64.5	<10
Barium, Total	ug/L	114	132	64.1	89.9	81.3	66.9	66.5	75.8	67.5	70.6	60.3
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3160	7710	174	115	179	185	6360	4570	4270	10100	2600
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	145000	176000	78400	79100	82600	86800	114000	96300	106000	89100	77400
Chloride	mg/L	37	79.1	76.1	90	116	54.2	105	152	156	174	148
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	0.25	0.15	0.35	0.18	0.36	0.24	0.41	0.23	0.39	0.4	0.51
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	76.4	164	<20	<20	<20	<20	99.8	95.9	116	104	83.5
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	119	189	<10	<10	12.5	<10	223	189	172	266	123
Selenium, Total	ug/L	12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	160	475	56	<5	126	59.8	354	292	305	192	139
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	775	998	419	445	540	433	786	734	809	679	594
Total Radium	pCi/L	1.1	1.38	<0.524	1.85	0.953	1.01	1.16	2.26	3.18	1.17	1.51
pH at 25 Degrees C	Std. Units	7	7.2	7.4	7.4	7.5	7.3	7.2	7.5	7.5	7.7	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 6**  
 Summary of Detection Monitoring Results - November-December 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50160283003	50160283002	50160283001	50160283006	50160283005	50160283004	50160283008	50160283007	50160283011	50160283010	50160283009	50160283014	50160283013
		12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/2/2016	12/1/2016	12/1/2016	12/1/2016	12/1/2016	12/1/2016
Static Water Elevation (ft MSL)		590.52	590.56	590.54	591.38	591.78	591.56	592.35	592.94	594.20	594.17	594.28	591.27	591.28
<b>Field Parameters</b>														
Temperature	°C	12.43	12.63	12.88	13.39	13.63	13.54	11.43	13.40	14.63	15.38	12.31	13.56	13.81
Dissolved Oxygen, Field	mg/L	0.46	0.10	7.74	0.22	0.11	1.96	2.16	1.39	0.08	1.15	1.93	0.18	0.32
Conductivity, Field	uS/cm	1074	1125	1258	1188	1092	1271	1029	923	914	974	960	1721	1599
ORP, Field	mV	-67.9	81.9	27.9	-83.7	13.0	-32.3	-172.4	-153.5	-214.0	-246.7	-86.7	-144.4	-130.6
pH, Field	Std. Units	7.44	7.41	7.21	7.43	7.51	7.00	7.25	7.26	7.43	7.32	7.42	7.23	7.19
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	16.8	<10	<10	21.7	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	67.6	60	82.8	65.6	66.5	179	76.5	101	51.3	63	44.8	66.8	62.9
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2820	3090	3860	2560	839	2190	1200	444	189	250	116	5390	3170
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	72600	75100	104000	89000	68500	103000	82400	81500	67700	75800	73700	129000	118000
Chloride	mg/L	133	147	135	138	139	135	97	82.3	94.5	96.8	90.6	267	221
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	0.46	0.43	0.49	0.41	0.44	0.31	0.33	0.3	0.2	0.34	0.31	0.2	0.33
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	90.8	86.8	93.8	108	124	105	107	66.9	<20	<20	<20	132	138
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	123	120	68.1	110	111	21.7	58.8	39	22.9	17.1	<10	188	204
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	170	157	199	196	191	154	124	106	94	111	108	260	198
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	579	594	693	672	584	707	549	493	469	517	495	855	954
Total Radium	pCi/L	1.33	1.66	<0.512	0.913	1.2	<0.246	<0.369	<0.298	<0.564	<0.386	<0.185	0.94	1.04
pH at 25 Degrees C	Std. Units	7.7	7.8	7.5	7.6	7.8	7.2	7.6	7.4	7.6	7.6	7.8	7.5	7.5

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 6**  
 Summary of Detection Monitoring Results - November-December 2016  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50160283012	50160283015	50160283016	50160283019	50160283018	50160283017	50160283020	50160283023	50160283022	50160283021	50160283024
		12/1/2016	12/1/2016	12/1/2016	11/30/2016	11/30/2016	11/30/2016	11/30/2016	12/1/2016	12/1/2016	12/1/2016	12/1/2016
Static Water Elevation (ft MSL)		591.28	593.13	594.96	594.52	594.49	594.48	592.35	590.38	590.37	590.34	590.95
<b>Field Parameters</b>												
Temperature	°C	13.78	15.08	14.78	13.26	13.95	17.02	16.66	14.26	14.78	14.79	14.99
Dissolved Oxygen, Field	mg/L	2.00	0.30	0.19	0.20	0.36	0.37	0.45	6.87	0.13	7.48	0.66
Conductivity, Field	uS/cm	1352	1561	822	908	823	795	1296	1257	1377	1196	1144
ORP, Field	mV	-38.2	-87.2	-264.0	-276.6	-312.7	-246.4	-216.7	-137.1	-119.1	-161.3	-126.2
pH, Field	Std. Units	6.78	7.06	7.32	7.06	7.29	7.19	7.13	7.37	7.31	7.56	7.41
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	41.6	<10
Barium, Total	ug/L	108	142	58.8	99	61.5	65.4	73.1	76.1	74.8	66.9	67.4
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3680	9530	184	127	198	176	5790	4530	4460	9910	2130
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	158000	191000	71500	84500	61200	75700	130000	99200	110000	87900	80300
Chloride	mg/L	76.1	73.1	73.1	79.1	74.2	61.4	94.2	157	162	188	155
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	0.26	0.16	0.36	0.2	0.44	0.36	0.41	0.22	0.4	0.44	0.52
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	82.1	166	<20	<20	<20	<20	102	97.4	123	99.6	94.9
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	127	194	<10	<10	13.6	<10	202	191	177	334	154
Selenium, Total	ug/L	12.9	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	195	356	64.3	84	73.1	53	225	266	301	206	145
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	798	1000	414	467	418	402	737	703	803	640	614
Total Radium	pCi/L	<0.442	1.03	<0.52	<0.382	<0.567	<0.463	0.882	1.41	1.21	<0.0505	<0.459
pH at 25 Degrees C	Std. Units	7	7.2	7.6	7.6	7.6	7.4	7.3	7.6	7.6	7.8	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 7**  
 Summary of Detection Monitoring Results - January 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50163919003	50163919002	50163919001	50163919006	50163919005	50163919004	50163919008	50163919007	50163919011	50163919010	50163919009	50163919014	50163919013
		1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/31/2017	1/30/2017	1/30/2017
Static Water Elevation (ft MSL)		592.74	592.75	592.78	593.05	593.07	593.05	593.32	593.49	595.06	595.24	595.04	594.69	594.69
<b>Field Parameters</b>														
Temperature	°C	12.09	12.08	12.64	13.39	13.58	13.60	11.93	13.00	13.90	14.34	8.12	13.44	13.33
Dissolved Oxygen, Field	mg/L	1.61	0.17	0.31	0.41	0.18	1.37	0.69	1.90	0.28	0.35	2.19	0.77	0.83
Conductivity, Field	uS/cm	1642	1661	2188	1747	1705	1675	1499	1538	1384	1438	1428	2284	2151
ORP, Field	mV	29.1	42.7	40.9	15.4	28.6	21.5	33.7	2.5	-3.1	33.9	73.2	112.1	132.8
pH, Field	Std. Units	6.96	6.99	6.46	6.79	7.03	6.94	6.89	6.51	6.75	6.80	6.68	6.89	6.79
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	17	<10	<10	12.6	<10	<10	<10	<10
Barium, Total	ug/L	69.8	52	88.1	65.2	74.4	137	71.3	85.9	56.6	61.1	47.3	65.5	64.2
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3120	2560	4300	2800	819	2130	976	663	194	237	<100	5210	3250
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	72000	73800	185000	85600	76000	83800	78200	109000	67800	70600	78900	121000	123000
Chloride	mg/L	141	144	93.2	135	124	134	95.1	67.4	90.4	97.2	79	263	210
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	0.39	0.3	0.36	0.39	0.38	0.28	0.24	0.21	0.32	0.23	0.18	0.29
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	88.6	90.7	98.9	105	124	91.6	92.9	61.4	<20	<20	<20	132	140
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	125	125	41	117	104	60.2	60	45.6	21.4	16.6	<10	194	194
Selenium, Total	ug/L	<10	<10	16.2	<10	<10	<10	<10	10.7	<10	<10	<10	<10	<10
Sulfate	mg/L	176	164	289	205	207	157	110	83.6	90.8	111	78.8	285	234
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	573	588	953	645	620	599	517	526	450	491	452	954	866
Total Radium	pCi/L	1.33	<0.841	<1.05	<0.369	<0.856	<0.419	<0.401	<0.342	0.974	1.02	<0.189	<0.589	1.61
pH at 25 Degrees C	Std. Units	7.7	7.6	7.1	7.6	7.7	7.5	7.5	7.3	7.5	7.7	7.5	7.5	7.4

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 7**  
 Summary of Detection Monitoring Results - January 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50163919012	50163919015	50163919016	50163919019	50163919018	50163919017	50163919020	50163919023	50163919022	50163919021	50163919024
		1/30/2017	1/30/2017	1/30/2017	1/30/2017	1/30/2017	1/30/2017	1/30/2017	1/31/2017	1/31/2017	1/31/2017	1/30/2017
Static Water Elevation (ft MSL)		594.71	595.18	595.55	595.56	595.53	595.55	595.29	593.33	593.33	593.35	594.40
<b>Field Parameters</b>												
Temperature	°C	12.69	14.47	12.63	12.53	12.52	13.24	15.75	13.84	14.32	14.05	14.86
Dissolved Oxygen, Field	mg/L	2.97	0.57	0.95	0.43	1.92	7.23	2.25	0.28	0.40	2.17	2.65
Conductivity, Field	uS/cm	2002	2173	1296	1443	1219	1444	1735	1800	1938	1960	1551
ORP, Field	mV	130.7	133.3	252.0	465.0	562.9	425.5	-17.8	55.2	91.5	118.7	234.4
pH, Field	Std. Units	6.35	6.60	6.74	6.67	6.89	6.45	6.64	6.76	6.83	6.82	6.89
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	107	<10
Barium, Total	ug/L	161	129	60.6	109	60.4	74.9	67.4	66.9	65.3	72.2	67.3
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	4190	9850	154	142	162	270	4840	4650	4300	7750	2570
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	173000	189000	76900	94400	55700	139000	123000	96800	108000	118000	80700
Chloride	mg/L	70.7	75	73.5	83.9	73.9	14.9	92.5	150	149	171	114
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	0.22	0.14	0.29	0.15	0.38	0.14	0.36	0.24	0.39	0.31	0.52
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	79.3	148	<20	<20	<20	<20	102	88.3	111	101	80.6
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	104	183	<10	<10	13.3	<10	198	182	164	224	98.5
Selenium, Total	ug/L	14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	211	450	86	80.7	65.5	114	241	258	342	278	182
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	857	1050	412	495	376	536	697	708	802	792	592
Total Radium	pCi/L	<0.377	1.01	<0.341	0.777	<0.247	<0.414	<0.534	1.96	1.05	<0.333	1.4
pH at 25 Degrees C	Std. Units	7.1	7.2	7.5	7.6	7.8	7.2	7.3	7.6	7.4	7.5	7.4

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 8**  
 Summary of Detection Monitoring Results - May 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50172017003	50172017002	50172017001	50172017006	50172017005	50172017004	50172017008	50172017007	50172017011	50172017010	50172017009	50172017014	50172017013
		5/26/2017	5/26/2017	5/26/2017	5/26/2017	5/26/2017	5/26/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017
Static Water Elevation (ft MSL)		593.51	593.43	593.45	593.82	593.83	593.81	594.12	594.32	595.78	595.60	595.72	595.80	595.83
<b>Field Parameters</b>														
Temperature	°C	12.74	14.34	12.98	13.37	12.93	12.86	11.61	13.67	12.55	12.14	10.39	13.87	13.73
Dissolved Oxygen, Field	mg/L	2.15	1.48	1.34	0.32	0.36	1.37	0.97	1.89	0.74	0.62	0.80	0.82	0.81
Conductivity, Field	uS/cm	1170	1174	1373	1199	1210	1108	945	1059	939	940	836	1432	1385
ORP, Field	mV	-41.1	53.9	67.8	12.1	107.3	160.4	585.3	556.9	555.7	544.5	532.5	600.0	656.8
pH, Field	Std. Units	6.59	7.29	6.71	7.02	7.34	7.47	7.00	7.01	7.14	7.16	6.89	7.36	7.24
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	71.5	49.8	73.8	62.5	82.4	160	66.8	80	55.7	60	43.3	58.3	60.5
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2850	2720	4340	2330	1640	1930	837	653	198	224	105	5300	3470
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	74800	74400	166000	84400	83500	92400	74600	110000	70000	71400	68600	111000	116000
Chloride	mg/L	133	148	95.3	144	119	124	94.2	87.4	93.3	99.8	80	222	174
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	0.37	0.29	0.38	0.36	0.35	0.31	0.25	0.21	0.34	0.3	0.18	0.29
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	94.2	97.5	104	106	127	101	87.6	55.7	<20	<20	<20	134	139
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	119	123	36.1	120	92	58.5	57.8	43.3	18.9	14.1	<10	208	189
Selenium, Total	ug/L	<10	<10	15.7	<10	<10	<10	<10	13.9	<10	<10	<10	<10	<10
Sulfate	mg/L	166	146	290	156	195	185	90.7	86.8	74.7	85.3	59.1	276	198
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	604	609	915	611	670	656	496	559	471	488	423	915	857
Total Radium	pCi/L	1.27	1.08	1.51	2.02	1.65	0.766	1.54	0.718	1.38	1.14	0.801	1.06	2.05
pH at 25 Degrees C	Std. Units	7.7	7.8	7.4	7.7	7.7	7.8	7.6	7.4	7.8	7.8	7.6	7.5	7.3

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 8**  
 Summary of Detection Monitoring Results - May 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50172017012	50172017015	50172017016	50172017019	50172017018	50172017017	50172017020	50172017023	50172017022	50172017021	50172017024
		5/25/2017	5/25/2017	5/25/2017	5/24/2017	5/24/2017	5/24/2017	5/24/2017	5/25/2017	5/25/2017	5/25/2017	5/25/2017
Static Water Elevation (ft MSL)		595.83	596.21	596.32	597.06	596.56	596.54	596.75	593.94	593.93	593.91	595.29
<b>Field Parameters</b>												
Temperature	°C	12.71	14.74	12.99	13.06	13.48	12.72	15.63	14.63	15.13	14.93	15.15
Dissolved Oxygen, Field	mg/L	8.51	1.13	2.33	0.58	0.45	0.85	0.34	0.76	0.73	4.02	2.11
Conductivity, Field	uS/cm	1208	1348	881	964	879	923	1255	1234	1327	1267	1145
ORP, Field	mV	676.0	691.8	652.0	565.8	541.9	555.4	545.8	629.1	614.4	520.6	617.9
pH, Field	Std. Units	6.69	7.02	7.18	7.20	7.53	6.92	7.09	7.13	7.26	7.39	7.30
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	24.4	<10	115	<10
Barium, Total	ug/L	147	128	63.6	103	63.9	69.8	69.6	193	71.5	73.8	87.3
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3990	8800	121	142	151	184	4010	5140	5690	7100	4250
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	166000	178000	76400	86000	60300	99000	134000	128000	111000	104000	106000
Chloride	mg/L	61	62.5	78.5	90.5	78.8	63.4	79.9	152	152	180	81.2
Chromium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	24.3	<10	<10	<10
Cobalt, Total	ug/L	<5	<5	<5	<5	<5	<5	<5	11.2	<5	<5	<5
Fluoride	mg/L	0.2	0.14	0.34	0.18	0.41	0.23	0.36	0.25	0.38	0.33	0.54
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	35.1	<10	<10	<10
Lithium, Total	ug/L	68.7	149	<20	<20	<20	<20	110	134	123	103	90
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	77.9	187	<10	<10	11.4	<10	188	183	174	248	104
Selenium, Total	ug/L	12.3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	198	312	55.9	68.5	63	59.1	192	246	282	179	181
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	801	945	454	487	409	476	731	758	830	744	688
Total Radium	pCi/L	1.68	1.28	1.03	1.68	1.22	0.91	<0.285	1.69	1.9	0.669	1.34
pH at 25 Degrees C	Std. Units	6.9	7.2	7.5	7.6	7.7	7.3	7.5	7.7	7.7	7.6	7.4

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 9**  
 Summary of Detection Monitoring Results - November-August 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50177551003	50177551002	50177551001	50177551006	50177551005	50177551004	50177551008	50177551007	50177551011	50177551010	50177551009	50177551014	50177551013
		8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/11/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017
Static Water Elevation (ft MSL)		590.60	590.63	590.67	591.22	591.23	591.22	591.71	592.09	593.90	593.88	593.95	593.23	593.27
<b>Field Parameters</b>														
Temperature	°C	12.28	12.78	13.09	12.53	11.78	11.56	10.78	13.40	14.22	11.75	16.45	13.80	13.51
Dissolved Oxygen, Field	mg/L	0.13	1.87	0.44	0.11	0.14	0.09	0.17	0.23	0.24	0.26	0.25	0.20	0.11
Conductivity, Field	uS/cm	819	822	951	902	1048	1129	891	977	177	218	170	161	193
ORP, Field	mV	-34.3	-8.9	-26.6	-66.1	-45.8	-25.7	-9.0	-32.9	-44.8	-29.9	-21.8	-23.6	0.4
pH, Field	Std. Units	7.44	7.50	7.17	7.44	7.47	7.49	7.15	7.01	7.47	7.35	7.25	7.4	7.28
<b>Analytical Data</b>														
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	12.2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium, Total	ug/L	75.9	56.5	72.1	64	85.2	189	71.3	75.3	59.3	61.7	52.9	55.6	58.7
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	2950	3750	4440	1940	2000	2170	918	650	207	231	167	5410	4110
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	82500	81800	118000	86700	85700	103000	79000	99000	75200	78900	84900	106000	109000
Chloride	mg/L	135	137	130	122	112	122	81.8	78.8	86	94.2	47.6	206	139
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	0.4	0.47	0.38	0.36	0.33	0.28	0.3	0.22	0.32	0.26	0.19	0.31
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	92	99.3	111	102	109	100	79.4	50.6	<20	<20	<20	121	129
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	118	124	67.9	120	84.3	59.1	58.4	49.9	21.3	16.3	<10	213	207
Selenium, Total	ug/L	<10	<10	11.2	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	184	194	206	158	205	249	72.4	129	91.5	104	53	279	271
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	629	675	778	633	693	749	511	580	495	534	427	898	852
Total Radium	pCi/L	2.19	1.81	<0.527	1.82	2.06	1.14	1.08	<0.00979	1.4	<0.355	0.749	2.14	2.29
pH at 25 Degrees C	Std. Units	7.6	7.6	7.4	7.6	7.7	7.7	7.4	7.4	7.5	7.4	7.3	7.5	7.5

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 9**  
 Summary of Detection Monitoring Results - November-August 2017  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50177551012	50177551015	50177551016	50177551019	50177551018	50177551017	50177551020	50177551023	50177551022	50177551021	50177551024
		8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017	8/9/2017	8/10/2017	8/10/2017	8/10/2017	8/10/2017
Static Water Elevation (ft MSL)		593.25	593.98	594.47	595.52	594.51	594.54	594.25	591.24	591.28	591.25	592.71
<b>Field Parameters</b>												
Temperature	°C	13.77	15.10	13.76	12.64	13.09	13.31	15.68	14.72	15.18	15.72	15.43
Dissolved Oxygen, Field	mg/L	6.88	0.17	0.13	0.30	0.20	4.39	0.74	0.23	0.1	2.24	0.39
Conductivity, Field	uS/cm	777	280	662	772	719	836	785	167	190	205	190
ORP, Field	mV	169	-38	-3.5	-2.6	-7.6	-23.1	74.4	-70.2	-23.2	-13.5	-41.1
pH, Field	Std. Units	6.86	7.14	7.31	7.16	7.39	6.84	7.06	7.36	7.39	7.42	7.18
<b>Analytical Data</b>												
Antimony, Total	ug/L	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Arsenic, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	130	<10
Barium, Total	ug/L	158	115	56.5	95.2	67.8	72.8	69.3	75.8	65.1	74.1	113
Beryllium, Total	ug/L	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
Boron, Total	ug/L	3430	8210	124	138	165	239	3190	5420	6200	7350	4440
Cadmium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Calcium, Total	ug/L	152000	181000	71500	81100	66700	130000	139000	102000	105000	101000	129000
Chloride	mg/L	55.1	64.7	60.1	74.7	74.1	30.1	75.8	146	145	139	83.8
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	0.21	0.15	0.38	0.19	0.38	0.18	0.36	0.23	0.41	0.33	0.4
Lead, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lithium, Total	ug/L	53.6	153	<20	<20	<20	<20	102	98.8	114	108	91.1
Mercury	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Molybdenum, Total	ug/L	85.9	192	12.4	<10	13.6	<10	182	194	181	268	83.2
Selenium, Total	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Sulfate	mg/L	166	341	49.4	71.7	63.8	80.7	182	258	318	208	203
Thallium, Total	ug/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Dissolved Solids	mg/L	726	935	413	457	418	555	680	766	806	727	764
Total Radium	pCi/L	1.31	1.06	1.48	<0.633	0.844	0.826	1.34	1.78	1.76	<0.908	<0.492
pH at 25 Degrees C	Std. Units	7.1	7.3	7.6	7.5	7.6	7.2	7.2	7.6	7.5	7.5	7.4

Notes:

ft MSL: Elevation, feet mean sea level

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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  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S	MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D	MW-6I
		50180949022	50180949023	50180949024	50180949006	50180949005	50180949004	50180949011	50180949010	50180949020	50180949021	50180949019	50180949008	50180949015
		9/28/2017	9/28/2017	9/28/2017	9/27/2017	9/27/2017	9/27/2017	9/27/2017	9/27/2017	9/28/2017	9/28/2017	9/28/2017	9/27/2017	9/27/2017
Static Water Elevation (ft MSL)		588.79	588.86	588.95	589.72	589.71	589.71	590.43	590.90	594.65	594.63	592.78	590.55	590.58
<b>Field Parameters</b>														
Temperature	°C	15.97	15.25	15.21	14.06	13.51	14.20	15.45	16.57	20.31	16.00	21.45	15.69	18.37
Dissolved Oxygen, Field	mg/L	0.67	0.42	0.14	0.07	0.06	0.02	0.29	0.06	1.38	0.25	0.13	0.05	0.70
Conductivity, Field	uS/cm	1114.48	1118.57	1230.13	1070.89	1116.02	1422.41	928.14	872.65	892.84	912.08	1030.85	1450.65	1368.30
ORP, Field	mV	63.71	89.62	93.79	45.11	82.21	83.29	82.61	86.15	64.64	62.42	82.32	87.79	92.20
pH, Field	Std. Units	7.67	7.69	7.50	7.69	7.73	7.32	7.57	7.50	7.54	7.55	7.57	7.59	7.54
<b>Analytical Data</b>														
Sulfate	mg/L	184	217	206	109	118	304	55.7	50.4	51.6	69.2	79.6	215	185
Boron	ug/L	2590	3500	4730	1620	1920	3390	673	273	184	218	170	5170	4670
Calcium	ug/L	83200	91000	105000	84600	84400	125000	79400	82000	74700	75500	72500	101000	92800
Total Dissolved Solids	mg/L	668	704	773	594	643	873	497	491	499	529	583	870	837
Chloride	mg/L	64.1	127	133	121	107	135	89	73.6	82.3	88.4	108	188	60.7
pH at 25 Degrees C	Std. Units	7.7	7.7	7.7	7.7	7.6	7.3	7.5	7.4	7.6	7.6	7.5	7.6	7.5
Fluoride	mg/L	<0.5	<0.5	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF00428

		MW-6S	MW-7S	MW-8S	MW-9D	MW-9I	MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
		50180949013	50180949012	50180949009	50180949002	50180949001	50180949014	50180949016	50180949025	50180949018	50180949017	50180949007
		9/27/2017	9/27/2017	9/27/2017	9/26/2017	9/26/2017	9/27/2017	9/28/2017	9/28/2017	9/28/2017	9/28/2017	9/27/2017
Static Water Elevation (ft MSL)		590.56	592.09	593.25	593.01	599.44	593.00	591.68	589.14	589.15	586.29	589.26
<b>Field Parameters</b>												
Temperature	°C	21.31	19.21	19.67	26.99	17.62	17.31	18.26	22.47	18.25	20.16	18.90
Dissolved Oxygen, Field	mg/L	5.06	0.37	2.67	2.18	0.21	1.68	0.15	1.65	0.39	0.99	0.77
Conductivity, Field	uS/cm	1362.85	1409.70	735.91	108.96	776.64	742.50	1094.92	1233.43	1279.67	1104.49	959.13
ORP, Field	mV	112.52	97.42	102.79	845.47	88.54	103.30	88.51	67.33	77.57	86.74	89.74
pH, Field	Std. Units	7.06	7.29	7.31	7.04	7.46	7.32	7.31	7.43	7.53	7.62	7.43
<b>Analytical Data</b>												
Sulfate	mg/L	194	307	33.9	67	56.6	38.1	103	197	218	175	76.2
Boron	ug/L	4040	8140	114	124	161	173	2580	4890	6100	7290	3080
Calcium	ug/L	160000	176000	74000	85200	68000	85400	125000	103000	108000	80300	91200
Total Dissolved Solids	mg/L	832	953	384	456	427	414	665	740	802	668	548
Chloride	mg/L	71.1	60.5	45.4	75	78.5	43.9	67.4	134	145	128	67
pH at 25 Degrees C	Std. Units	7.1	7.3	7.5	7.5	7.6	7.4	7.4	7.5	7.5	7.7	7.5
Fluoride	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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.

## **FIGURES**

Figure 1: Site Location Map

Figure 2: CCR Groundwater Monitoring System

