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**Re: 2021 CCR Annual Groundwater Monitoring and  
Corrective Action Report**

Indianapolis Power & Light Company d/b/a AES Indiana (AESI) Eagle Valley  
Generating Station  
Martinsville, Indiana  
ATC Project No. 170LF01114

Dear Mr. Heger:

ATC Group Services LLC (ATC) has prepared this 2021 CCR Annual Groundwater Monitoring and Corrective Action Report for the Ash Pond System at the AESI 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 includes information required by § 257.90(e)(1) through § 257.90(e)(6).

Federal CCR Rule § 257.90(e)(6) specifies the following:

*A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following:* (i) *At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;* (ii) *At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95;* (iii) *If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e): (A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and (B) Provide the date when the assessment monitoring program was initiated for the CCR*

*unit. (iv) If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following: (A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase; (B) Provide the date when the assessment of corrective measures was initiated for the CCR unit; (C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and (D) Provide the date when the assessment of corrective measures was completed for the CCR unit. (v) Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection; and (vi) Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.*

## **Overview of 2021 Groundwater Monitoring and Corrective Action**

For the duration of the 2021 reporting period, the CCR units at the Eagle Valley Generating Station – Ash Pond System were being monitored under the Assessment Monitoring Program defined in § 257.95. Pursuant to 40 CFR 257.94(e)(2), 257.94(e)(3) and 257.95(b), the facility had previously established an Assessment Monitoring Program in accordance with the requirements of § 257.95 on July 16, 2018. Therefore, evaluation of statistically significant increase over background for one or more constituents listed in Appendix III to this part pursuant to § 257.94(e) was not performed in 2021.

At the end of the 2021 reporting period, it was determined that the following Appendix IV constituents were at statistically significant levels (SSLs) above the associated groundwater protection standards (GWPS) pursuant to § 257.95(g)<sup>1</sup>. The SSLs are as follows:

### Arsenic

Shallow: MW-11S

### Lithium

Shallow: MW-11S, MW-12S

Intermediate: MW-1I, MW-2I, MW-6I, MW-11I

Deep: MW-1D, MW-2D, MW-6D, MW-11D

### Molybdenum

Intermediate: MW-6I, MW-11I

Deep: MW-1D, MW-6D, MW-11D

The above listed SSLs are not new constituent SSLs and were previously identified. Therefore, no new SSL notification was required pursuant to § 257.94(e).

The assessment of corrective measures was initiated for the Eagle Valley Generating Station CCR regulated units on April 15, 2019 in response to SSLs of Appendix IV constituents exceeding GWPS.

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<sup>1</sup> SSLs provided are based on the May 2021 monitoring event as November 2021 sampling data was not finalized in 2021.

Pursuant to 40 CFR §257.96(a), a demonstration of need for a 60-day extension for the assessment of corrective measures was completed on July 12, 2019. The Corrective Measures Assessment (CMA) Report was completed and placed in the facility operating record on September 13, 2019 and subsequently amended on October 11, 2019. Groundwater nature and extent work is ongoing at the facility in support of characterizing the extent of the CCR contamination plume and further support of the CMA. Once the N&E is sufficiently completed, a public meeting will be held, a remedy will be selected pursuant to § 257.97, and implementation of the selected remedy will be initiated thereafter in accordance with § 257.98.

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

*For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2019, 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 in 2021 to comply with 40 CFR 257.90-98:

- The MW-13 nest was sampled in February, March, May, June, and July 2021 to develop the background database.
- The CCR groundwater monitoring system was recertified in December 2021 with the replacement of former upgradient/background wells MW-4S, MW-4I, MW-4D, MW-8S, MW-9S, MW-9I, and MW-9D to MW-13S, MW-13I, and MW-13D as the new background wells. The original background wells previously identified will be retained as part of the CCR groundwater monitoring system. A certification document dated December 17, 2021 was prepared and provided to AESI on January 5, 2022. While the monitoring well system was re-certified in December 2021, GWPSSs based the new background wells had not been finalized in 2021.
- AESI obtained applicable environmental permit approvals for off-site well installation. ATC installed nine off-site wells (MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) in March 2021 south of the facility to evaluate potential off-site impacts. Well locations are depicted on Figure 2.
- Based on the off-site N&E groundwater sampling events completed in April, May, July, and August 2021, it was determined that groundwater concentrations above applicable GWPSSs

underlie the Barnard Farms, Beecham-Dillon Farms and Cragan properties. Pursuant to § 257.95(g)(2), AESI provided notification to each of the three property owners related to this matter of an off-site contamination plume on October 1, 2021.

- In order to refine groundwater flow during periods of CCGT downtime, pressure transducers were installed in twenty-four (24) of the monitoring wells/piezometers to record the hydrostatic pressure of the groundwater above the transducer to calculate the groundwater elevation in each of the instrumented locations. Transducers were installed on June 29, 2021 and were downloaded on a regular basis throughout the remainder of 2021.
- November 2020 laboratory analytical reports were finalized and placed in the facility operating record pursuant to 40 CFR 257.95(d)(1).
- Semi-annual assessment monitoring sampling events were conducted in 2021 as required by § 257.95(b) and § 257.95(d)(1). Pursuant to 40 CFR 257.95(b), all Appendix IV constituents were sampled in 2021. Pursuant to 40 CFR 257.95(d)(1), semi-annual sampling of all Appendix III parameters and Appendix IV constituents detected in response to 40 CFR 257.95(b) was conducted in 2021. All sampling events were performed in consistent with 40 CFR 257.93(e). Subsequent SSLs evaluation of the November 2020 and May 2021 data were performed within 90 days of completing the sampling and analysis pursuant to § 257.93(h)(2)<sup>2</sup>.
- Semi-Annual Remedy Selection Progress Reports pursuant to § 257.97(a) for the period of September 13, 2020 through March 11, 2021, and for the period of March 12, 2021 through September 13, 2021 were completed and placed in the facility's operating record and posted to AESI's CCR Website.

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.***

AESI operates the Eagle Valley Station located approximately four miles north of Martinsville, Indiana. It is located at 4040 Blue Bluff Road. A Site Location Map is provided as Figure 1. A map showing the location of each CCR management unit, associated upgradient and downgradient CCR monitoring wells, and N&E wells installed in 2019, is provided as Figure 2.

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<sup>2</sup> Sampling results for the November 2020 and May 2021 semi-annual assessment monitoring events are summarized in Table 3 and Table 7, respectively. Please refer to Section § 257.90(e)(4) on Page 6 of this report regarding SSL evaluation results.

***§ 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;***

At the beginning of 2021 the CCR ash pond groundwater monitoring system at the Eagle Valley Station consisted 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, and MW-9D represented upgradient/background wells, while the remaining represented 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.

In addition to the CCR ash pond groundwater monitoring system constructed at the boundary of the ash pond system, fourteen additional on-site wells (MW-10I, MW-10D, MW-13S, MW-13I, MW-13D, MW-14S, MW-14I, MW-14D, MW-15S, MW-15I, MW-15D, MW-16S, MW-16I, and MW-16D) were installed between June 9 and July 23, 2019 to characterize the N&E of the release and any relevant site conditions that may affect the remedy ultimately selected, as required by § 257.95(g)(1). Wells MW-10I and MW-10D were initially utilized as piezometers. Groundwater samples were collected from these wells once in 2021. The MW-13 through MW-16 N&E well clusters were installed to serve as facility downgradient boundary wells pursuant to § 257.95(g)(1)(iii). Subsequent water level gauging and water table mapping, however, showed that the MW-13 well cluster was not hydraulically downgradient as anticipated but was, in fact, upgradient.

The original upgradient/background wells MW-4S, MW-4I, MW-4D, MW-8S, MW-9S, MW-9I, and MW-9D) were installed at locations that were believed to represent the quality of background groundwater and the quality of groundwater passing the waste boundary. However, based on site-specific data gathered since installation (including data variability caused by the proximity of the background wells to the multiunit boundary and the discharge canal), the (former) background wells (MW-4S, MW-4I, MW-4D, MW-8S, MW-9S, MW-9I, and MW-9D) have been replaced with a new background well nest - MW-13S, MW-13I, and MW-13D. This well nest is located in the same hydrostratigraphic unit approximately 1,400 feet east of the multiunit boundary in an area of the site unaffected by a CCR unit.

Between March 9 and March 17, 2021, nine (9) N&E wells (MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) were installed off-site to determine the extent of the plume.

No monitoring equipment was abandoned during 2021.

The location of the CCR monitoring well network and N&E wells are depicted on Figure 2.

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

Table 1 provides a summary of the number of samples collected at each CCR monitoring well and N&E monitoring well/piezometer, sampling dates, and designation of whether samples were required by the detection or assessment monitoring program, or N&E. Groundwater elevation data is provided in Table 2. Assessment monitoring and N&E monitoring results for the November 2020 semi-annual sampling event which includes the pre-2021 on-site N&E wells (MW-13S, MW-13I, MW-13D, MW-14S, MW-14I, MW-14D, MW-15S, MW-15I, MW-15D, MW-16S, MW-16I, and MW-16D) are summarized in Table 3; these results were not finalized by the end of 2020 for inclusion in the associated 2020 Annual Report. N&E monitoring groundwater analytical results for the February, and March events associated with MW-13 nest background sampling are summarized in Table 4 and Table 5, respectively. N&E monitoring groundwater analytical results for the April 2021 event (initial sampling of new 2021 wells MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) are summarized in Table 6. Assessment monitoring and N&E (MW-13S, MW-13I, MW-13D, MW-14S, MW-14I, MW-14D, MW-15S, MW-15I, MW-15D, MW-16S, MW-16I, MW-16D, MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) groundwater analytical results for the May 2021 semi-annual sampling event are summarized in Table 7. N&E monitoring groundwater analytical results for the July off-site well (MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) and MW-13 well nest are summarized in Table 8 and Table 9, respectively. N&E monitoring groundwater analytical results for the August 2021 (MW-17S, MW-17I, MW-17D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, and MW-19D) event are summarized in Table 10. Groundwater results for the November 2021 combined semi-annual assessment monitoring sampling event and on-site and off-site N&E event were not finalized in 2021 and therefore are not included with this submittal.

***§ 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);***

AESI Eagle Valley operated under the assessment monitoring program in accordance with § 257.95. No transition between monitoring programs occurred during 2021.

During 2021, statistical evaluations of the November 2020 and May 2021 analytical data were performed in order to determine whether there was a SSL of a new Appendix IV constituent detected above the relevant GWPS in accordance with § 257.95(g) and 257.93(h). The evaluations were completed in April 2021 and October 2021, respectively. Based on the evaluations, it was determined that the Appendix IV constituents that exceeded the GWPS include arsenic, lithium, and molybdenum; however, these are the same constituent SSLs previously identified. Since there were no new Appendix IV constituent SSLs identified, an additional notification was not triggered pursuant to 40 CFR 257.95(g). SSLs and associated wells are summarized on Page 2.

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

Table 11 summarizes the groundwater protection standards established in accordance with § 257.95(d)(2) and § 257.95(h) associated with both the November 2020 and May 2021 semi-annual assessment monitoring events.

Projected key activities for the upcoming year include the following:

- Finalize GWPSs based on the MW-13 background well nest dataset.
- Obtain approval from off-site property owners to the south of Eagle Valley Station to conduct additional subsurface investigations related to understanding the characterization and extent of the plume.
- Continue N&E work pursuant to § 257.95(g).
- Continue N&E work pursuant to § 257.95(g) including but not limited to the installation of up to four (4) additional N&E nested monitoring wells (shallow, intermediate, deep) on the off-site properties located south of the Eagle Valley Generating Station to delineate the lateral and vertical extent of off-site impacts.
- Continue obtaining pressure transducer readings and downloads on a regular basis until such time that the CCGT is back in normal operation.
- Assessment monitoring sampling events in accordance with § 257.95 and consistent with § 257.90(e).
- Finalize November 2021 analytical data and complete statistical evaluation of November 2021 analytical data to determine whether there is a SSL above GWPS for Appendix IV constituents in accordance with § 257.95(g) and 257.93(h). Perform SSL evaluations of final May 2022 assessment monitoring analytical data.
- Potentially conduct public meeting to discuss the results of the corrective measures assessment at least 30 days prior to the selection of remedy pursuant to § 257.96(e).
- Prepare semi-annual report(s) describing progress in selecting and designing the remedy pursuant to § 257.97(a).

We appreciate the opportunity to assist with AESI'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,  
**ATC Group Services LLC**

*Mark E. Breting*

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

*Robert T. Duncan*

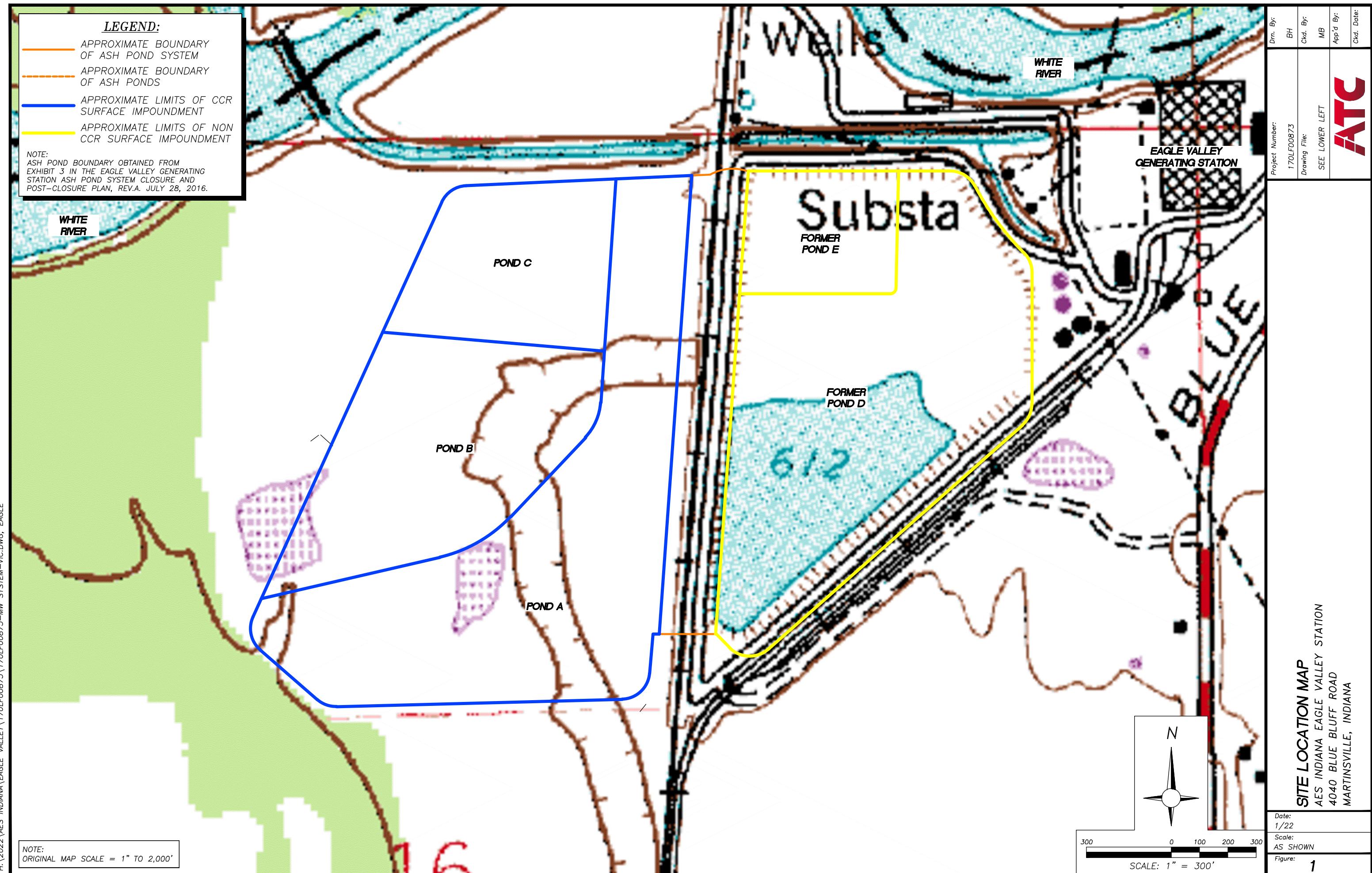
Robert T. Duncan, L.P.G.  
Principal Geologist

Copies: Ms. Nysa Hogue  
Mr. Thom O'Leary

## **FIGURES**

Figure 1: Site Location Map

Figure 2: Groundwater Monitoring System – CCR Network Wells and N&E Wells





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**Table 1**  
**Well Sampling Summary**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-1S	9/29/2015	Downgradient	2	5/25/2021	Assessment
				11/9/2021	
MW-1I	3/1/2016	Downgradient	2	5/25/2021	Assessment
				11/9/2021	
MW-1D	10/1/2015	Downgradient	2	5/25/2021	Assessment
				11/9/2021	
MW-2S	9/28/2015	Downgradient	2	5/11/2021	Assessment
				11/10/2021	
MW-2I	3/7/2016	Downgradient	2	5/11/2021	Assessment
				11/10/2021	
MW-2D	3/4/2016	Downgradient	2	5/11/2021	Assessment
				11/10/2021	
MW-3S	9/28/2015	Downgradient	2	5/12/2021	Assessment
				11/18/2021	
MW-3I	3/8/2016	Downgradient	2	5/11/2021	Assessment
				11/18/2021	
MW-4S	10/1/2015	Upgradient/Background	2	5/21/2021	Assessment
				11/17/2021	
MW-4I	3/11/2016	Upgradient/Background	2	5/12/2021	Assessment
				11/18/2021	
MW-4D	3/2/2016	Upgradient/Background	2	5/12/2021	Assessment
				11/17/2021	
MW-6S	10/2/2015	Downgradient	2	5/18/2021	Assessment
				11/9/2021	
MW-6I	3/17/2016	Downgradient	2	5/18/2021	Assessment
				11/9/2021	
MW-6D	3/8/2016	Downgradient	2	5/18/2021	Assessment
				11/9/2021	
MW-7S	10/2/2015	Downgradient	2	5/17/2021	Assessment
				11/18/2021	
MW-8S	9/29/2015	Upgradient/Background	2	5/12/2021	Assessment
				11/18/2021	
MW-9S	10/21/2015	Upgradient/Background	2	5/13/2021	Assessment
				11/12/2021	
MW-9I	3/10/2016	Upgradient/Background	2	5/13/2021	Assessment
				11/12/2021	
MW-9D	3/10/2016	Upgradient/Background	2	5/13/2021	Assessment
				11/12/2021	
MW-10S	10/3/2015	Downgradient	2	5/21/2021	Assessment
				11/12/2021	
MW-10I*	7/11/2019	Nature & Extent	1	11/12/2021	Assessment
MW-10D*	7/10/2019	Nature & Extent	1	11/12/2021	Assessment
MW-11S	3/16/2016	Downgradient	2	5/17/2021	Assessment
				11/17/2021	
MW-11I	3/16/2016	Downgradient	2	5/17/2021	Assessment
				11/17/2021	

**Table 1**  
**Well Sampling Summary**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-11D	3/16/2016	Downgradient	2	5/17/2021	Assessment
				11/17/2021	
MW-12S	3/17/2016	Downgradient	2	5/13/2021	Assessment
				11/10/2021	
MW-13S	7/2/2019	Nature & Extent	6	2/25/2021	Assessment
				3/29/2021	
				5/20/2021	
				6/22/2021	
				7/27/2021	
				11/16/2021	
MW-13I	7/1/2019	Nature & Extent	6	2/25/2021	Assessment
				3/29/2021	
				5/20/2021	
				6/22/2021	
				7/27/2021	
				11/16/2021	
MW-13D	7/1/2019	Nature & Extent	6	2/25/2021	Assessment
				3/29/2021	
				5/20/2021	
				6/22/2021	
				7/27/2021	
				11/16/2021	
MW-14S	7/12/2019	Nature & Extent	2	5/12/2021	Assessment
				11/11/2021	
MW-14I	7/9/2019	Nature & Extent	2	5/12/2021	Assessment
				11/11/2021	
MW-14D	7/3/2019	Nature & Extent	2	5/12/2021	Assessment
				11/11/2021	
MW-15S	7/17/2019	Nature & Extent	2	5/11/2021	Assessment
				11/12/2021	
MW-15I	7/17/2019	Nature & Extent	2	5/12/2021	Assessment
				11/12/2021	
MW-15D	7/16/2019	Nature & Extent	2	5/12/2021	Assessment
				11/12/2021	
MW-16S	7/23/2019	Nature & Extent	2	5/11/2021	Assessment
				11/9/2021	
MW-16I	7/22/2019	Nature & Extent	2	5/11/2021	Assessment
				11/10/2021	
MW-16D	7/22/2019	Nature & Extent	2	5/11/2021	Assessment
				11/10/2021	
MW-17S	3/16/2021	Nature & Extent	5	4/14/2021	Assessment
				5/13/2021	
				7/6/2021	
				8/19/2021	
				11/10/2021	

**Table 1**  
**Well Sampling Summary**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Identification	Date Installed	Upgradient/Background, Downgradient, or Nature & Extent	Number of Samples	Sample Date	Detection or Assessment Monitoring Program
MW-17I	3/10/2021	Nature & Extent	5	4/14/2021	Assessment
				5/13/2021	
				7/6/2021	
				8/18/2021	
				11/10/2021	
MW-17D	3/9/2021	Nature & Extent	5	4/14/2021	Assessment
				5/13/2021	
				7/6/2021	
				8/18/2021	
				11/10/2021	
MW-18S	3/17/2021	Nature & Extent	5	4/15/2021	Assessment
				5/13/2021	
				7/7/2021	
				8/20/2021	
				11/10/2021	
MW-18I	3/17/2021	Nature & Extent	5	4/15/2021	Assessment
				5/14/2021	
				7/7/2021	
				8/19/2021	
				11/10/2021	
MW-18D	3/16/2021	Nature & Extent	5	4/15/2021	Assessment
				5/14/2021	
				7/7/2021	
				8/19/2021	
				11/10/2021	
MW-19S	3/15/2021	Nature & Extent	5	4/14/2021	Assessment
				5/19/2021	
				7/8/2021	
				8/20/2021	
				11/10/2021	
MW-19I	3/15/2021	Nature & Extent	5	4/15/2021	Assessment
				5/19/2021	
				7/8/2021	
				8/20/2021	
				11/10/2021	
MW-19D	3/12/2021	Nature & Extent	5	4/15/2021	Assessment
				5/19/2021	
				7/8/2021	
				8/20/2021	
				11/10/2021	

Notes

\*Locations MW-10I and MW-10D are normally utilized as piezometers; however they were sampled once in 2021.

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-1S	5/10/2021	612.93	22.87	590.06
	10/6/2021		24.02	588.91
	11/4/2021		18.22	594.71
MW-1I	5/10/2021	612.31	22.27	590.04
	10/6/2021		23.44	588.87
	11/4/2021		19.79	592.52
MW-1D	5/10/2021	612.91	22.90	590.01
	10/6/2021		24.10	588.81
	11/4/2021		19.81	593.10
MW-2S	5/10/2021	608.45	17.70	590.75
	10/6/2021		18.96	589.49
	11/4/2021		15.08	593.37
MW-2I	5/10/2021	608.93	18.14	590.79
	10/6/2021		19.45	589.48
	11/4/2021		15.67	593.26
MW-2D	5/10/2021	608.72	17.90	590.82
	10/6/2021		19.25	589.47
	11/4/2021		15.38	593.34
MW-3S	5/10/2021	610.80	19.10	591.70
	10/6/2021		20.89	589.91
	11/4/2021		17.58	593.22
MW-3I	5/10/2021	610.76	19.47	591.29
	10/6/2021		21.02	589.74
	11/4/2021		17.47	593.29
MW-4S	5/10/2021	609.94	17.98	591.96
	10/6/2021		19.43	590.51
	11/4/2021		16.37	593.57
MW-4I	5/10/2021	614.66	22.73	591.93
	10/6/2021		24.18	590.48
	11/4/2021		21.04	593.62

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-4D	5/10/2021	614.72	22.77	591.95
	10/6/2021		24.24	590.48
	11/4/2021		21.07	593.65
MW-6S	5/10/2021	605.99	15.47	590.52
	10/6/2021		16.31	589.68
	11/4/2021		12.64	593.35
MW-6I	5/10/2021	606.00	15.50	590.50
	10/6/2021		16.34	589.66
	11/4/2021		12.68	593.32
MW-6D	5/10/2021	604.85	14.35	590.50
	10/6/2021		15.18	589.67
	11/4/2021		11.50	593.35
MW-7S	5/10/2021	616.68	25.24	591.44
	10/6/2021		26.34	590.34
	11/4/2021		22.86	593.82
MW-8S	5/10/2021	616.67	24.03	592.64
	10/6/2021		Dry to Pump	#VALUE!
	11/4/2021		22.71	593.96
MW-9S	5/10/2021	617.52	25.20	592.32
	10/6/2021		26.88	590.64
	11/4/2021		23.58	593.94
MW-9I	5/10/2021	617.06	24.68	592.38
	10/6/2021		26.49	590.57
	11/4/2021		23.18	593.88
MW-9D	5/10/2021	617.41	25.00	592.41
	10/6/2021		26.80	590.61
	11/4/2021		23.50	593.91
MW-10S	5/10/2021	613.70	22.99	590.71
	10/6/2021		23.99	589.71
	11/4/2021		20.61	593.09

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-10I	5/10/2021	613.68	22.86	590.82
	10/6/2021		23.89	589.79
	11/4/2021		20.50	593.18
MW-10D	5/10/2021	613.54	22.75	590.79
	10/6/2021		23.75	589.79
	11/4/2021		20.35	593.19
MW-11S	5/10/2021	627.29	37.38	589.91
	10/6/2021		38.35	588.94
	11/4/2021		34.02	593.27
MW-11I	5/10/2021	627.52	37.55	589.97
	10/6/2021		38.54	588.98
	11/4/2021		34.25	593.27
MW-11D	5/10/2021	627.56	37.57	589.99
	10/6/2021		38.57	588.99
	11/4/2021		34.27	593.29
MW-12S	5/10/2021	607.26	16.97	590.29
	10/6/2021		17.84	589.42
	11/4/2021		13.92	593.34
MW-13S	2/25/2021	606.03	20.29	585.74
	3/29/2021		17.25	588.78
	5/10/2021		15.58	590.45
	6/22/2021		14.98	591.05
	7/27/2021		13.70	592.33
	10/6/2021		16.45	589.58
	11/4/2021		14.00	592.03

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

Monitoring Well Location	Gauging Date	TOC Elevation (ft-MSL)	Depth to Water (ft)	Water Elevation (ft-MSL)
MW-13I	2/25/2021	606.21	20.48	585.73
	3/29/2021		17.42	588.79
	5/10/2021		15.75	590.46
	6/22/2021		15.12	591.09
	7/27/2021		13.85	592.36
	10/6/2021		16.60	589.61
	11/4/2021		14.15	592.06
MW-13D	2/25/2021	605.86	20.17	585.69
	3/29/2021		17.16	588.70
	5/10/2021		15.48	590.38
	6/22/2021		14.85	591.01
	7/27/2021		13.68	592.18
	10/6/2021		16.31	589.55
	11/4/2021		13.87	591.99
MW-14S	5/10/2021	607.39	17.05	590.34
	10/6/2021		17.96	589.43
	11/4/2021		14.80	592.59
MW-14I	5/10/2021	607.34	17.05	590.29
	10/6/2021		17.92	589.42
	11/4/2021		14.77	592.57
MW-14D	5/10/2021	607.33	17.12	590.21
	10/6/2021		18.01	589.32
	11/4/2021		14.85	592.48
MW-15S	5/10/2021	607.50	17.60	589.90
	10/6/2021		18.43	589.07
	11/4/2021		14.52	592.98
MW-15I	5/10/2021	607.61	17.55	590.06
	10/6/2021		18.41	589.20
	11/4/2021		14.51	593.10

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-15D	5/10/2021	607.51	17.44	590.07
	10/6/2021		18.30	589.21
	11/4/2021		14.43	593.08
MW-16S	5/10/2021	609.54	18.60	590.94
	10/6/2021		20.26	589.28
	11/4/2021		16.59	592.95
MW-16I	5/10/2021	609.53	18.55	590.98
	10/6/2021		20.24	589.29
	11/4/2021		16.58	592.95
MW-16D	5/10/2021	609.60	18.65	590.95
	10/6/2021		20.30	589.30
	11/4/2021		16.65	592.95
MW-17S	4/14/2021	602.20	12.63	589.57
	5/10/2021		12.80	589.40
	7/6/2021		13.81	588.39
	8/17/2021		15.85	586.35
	10/6/2021		15.27	586.93
	11/4/2021		11.80	590.40
MW-17I	4/14/2021	602.69	13.08	589.61
	5/10/2021		13.25	589.44
	7/6/2021		14.20	588.49
	8/17/2021		16.31	586.38
	10/6/2021		15.67	587.02
	11/4/2021		12.30	590.39
MW-17D	4/14/2021	602.47	12.73	589.74
	5/10/2021		12.88	589.59
	7/6/2021		14.10	588.37
	8/17/2021		16.00	586.47
	10/6/2021		15.34	587.13
	11/4/2021		11.99	590.48

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-18S	4/15/2021	606.13	16.31	589.82
	5/10/2021		16.55	589.58
	7/7/2021		15.45	590.68
	8/17/2021		17.26	588.87
	10/6/2021		17.45	588.68
	11/4/2021		13.06	593.07
MW-18I	4/15/2021	605.82	16.26	589.56
	5/10/2021		16.52	589.30
	7/7/2021		15.40	590.42
	8/17/2021		17.28	588.54
	10/6/2021		17.43	588.39
	11/4/2021		13.06	592.76
MW-18D	4/15/2021	606.19	16.31	589.88
	5/10/2021		16.58	589.61
	7/7/2021		15.48	590.71
	8/17/2021		17.39	588.80
	10/6/2021		17.48	588.71
	11/4/2021		13.13	593.06
MW-19S	4/14/2021	602.85	13.26	589.59
	5/10/2021		13.17	589.68
	7/8/2021		12.18	590.67
	8/17/2021		13.51	589.34
	10/6/2021		14.08	588.77
	11/4/2021		10.25	592.60
MW-19I	4/15/2021	602.69	13.14	589.55
	5/10/2021		13.02	589.67
	7/8/2021		11.99	590.70
	8/17/2021		13.38	589.31
	10/6/2021		13.93	588.76
	11/4/2021		10.10	592.59

**Table 2**  
 Groundwater Elevation Data  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station, Martinsville, Indiana  
 ATC Project No. 170LF01114

<b>Monitoring Well Location</b>	<b>Gauging Date</b>	<b>TOC Elevation (ft-MSL)</b>	<b>Depth to Water (ft)</b>	<b>Water Elevation (ft-MSL)</b>
MW-19D	4/15/2021	602.67	13.03	589.64
	5/10/2021		12.99	589.68
	7/8/2021		11.95	590.72
	8/20/2021		13.59	589.08
	10/6/2021		13.86	588.81
	11/4/2021		10.05	592.62

Notes:

TOC = Top of Casing

ft-MSL = feet above Mean Sea Level

**Table 3**  
**Summary of Monitoring Results - November 2020**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I
Sample Date		11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
Pace Lab ID		50273131003	50273131002	50273131001	50273131006	50273131005
Static Water Elevation	ft MSL	591.76	587.77	587.84	588.60	588.61
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	13.35	13.24	13.16	13.47	13.74
Dissolved Oxygen, Field	mg/L	NM	0.00	NM	0.02	0.00
Conductivity, Field	uS/cm	650	650	940	570	600
ORP, Field	mV	-71.3	29.1	41.7	-92.7	-30.3
pH, Field	Std. Units	7.47	7.42	6.99	7.40	7.27
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	2.9	<1.0	<1.0
Arsenic, Total	ug/L	4.2	<1.0	6.7	4	<1.0
Barium, Total	ug/L	59.2	55.2	97.9	62.5	69.2
Beryllium, Total	ug/L	NA	NA	NA	NA	NA
Boron, Total	ug/L	1110	1330	2050	234	229
Cadmium, Total	ug/L	NA	NA	NA	NA	NA
Calcium, Total	ug/L	69900	75600	158000	74400	69300
Chloride	mg/L	103	103	60.9	84.4	102.0
Chromium, Total	ug/L	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.37	0.31	0.24	0.34	0.29
Lead, Total	ug/L	NA	NA	NA	NA	NA
Lithium, Total	ug/L	83.2	92.4	114	52.7	61.3
Mercury	ug/L	NA	NA	NA	NA	NA
Molybdenum, Total	ug/L	113	99.9	55.1	76	63.8
pH at 25 Degrees C	Std. Units	7.6	7.6	7.1	7.5	7.6
Radium-226	pCi/L	0.77	0.854	<0.612	0.325	<0.796
Radium-228	pCi/L	1.77	0.618	<1.1	0.636	<1.1
Selenium, Total	ug/L	<1.0	<1.0	6.6	<1.0	<1.0
Sulfate	mg/L	93.6	83.7	197	73.8	70.4
Thallium, Total	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	499	479	815	416	442
Total Radium	pCi/L	2.54	1.47	<1.71	0.961	<1.9

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-2S	MW-3I	MW-3S	MW-4D	MW-4I
Sample Date		11/11/2020	11/11/2020	11/10/2020	11/10/2020	11/10/2020
Pace Lab ID		50273131004	50273131007	50272915001	50272915004	50272915003
Static Water Elevation	ft MSL	588.63	589.08	589.39	590.00	590.01
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	13.74	14.62	21.13	20.62	21.09
Dissolved Oxygen, Field	mg/L	0.59	0.70	0.66	0.87	2.02
Conductivity, Field	uS/cm	960	817.24	789.57	814.10	700.08
ORP, Field	mV	15.5	-22.6	19.1	21.5	23.6
pH, Field	Std. Units	6.72	7.54	7.48	7.47	7.45
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	8.9	<1.0	<1.0	7.1	4.7
Barium, Total	ug/L	110	60	80.0	69.3	79.9
Beryllium, Total	ug/L	NA	NA	NA	NA	NA
Boron, Total	ug/L	985	120	134	136	177
Cadmium, Total	ug/L	NA	NA	NA	NA	NA
Calcium, Total	ug/L	172000	66700	63500	75100	76600
Chloride	mg/L	95.5	96.4	87.3	92.8	83.9
Chromium, Total	ug/L	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.15	0.29	0.39	0.31	0.40
Lead, Total	ug/L	NA	NA	NA	NA	NA
Lithium, Total	ug/L	74.8	<20.0	<20.0	<20.0	<20.0
Mercury	ug/L	NA	NA	NA	NA	NA
Molybdenum, Total	ug/L	<10.0	69.2	77.4	11.8	12.5
pH at 25 Degrees C	Std. Units	6.9	7.6	7.4	7.6	7.6
Radium-226	pCi/L	<0.472	0.343	<1.14	0.646	0.657
Radium-228	pCi/L	3.01	0.674	<0.83	0.863	0.515
Selenium, Total	ug/L	9.6	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	196	85.9	74.0	74.4	69.0
Thallium, Total	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	802	454	423	438	426
Total Radium	pCi/L	3.14	1.02	<1.97	1.51	1.17

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-4S	MW-6D	MW-6I	MW-6S	MW-7S
Sample Date		11/10/2020	11/10/2020	11/10/2020	11/19/2020	11/11/2020
Pace Lab ID		50272915002	50272915006	50272915005	50273934001	50273131008
Static Water Elevation	ft MSL	590.07	586.81	586.80	586.45	588.77
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	21.63	18.04	17.18	16.53	14.89
Dissolved Oxygen, Field	mg/L	1.28	0.11	0.08	0.88	0.50
Conductivity, Field	uS/cm	3643.3	931.66	892.18	1328.4	1049.6
ORP, Field	mV	51.1	14.6	23.5	198.0	61.6
pH, Field	Std. Units	7.48	7.38	7.29	6.83	6.95
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	1.4	3.1
Arsenic, Total	ug/L	9.0	<1.0	<1.0	<1.0	1.7
Barium, Total	ug/L	246	48.6	49.3	115	64
Beryllium, Total	ug/L	NA	NA	NA	NA	NA
Boron, Total	ug/L	4510	4350	4840	4200	545
Cadmium, Total	ug/L	NA	NA	NA	NA	NA
Calcium, Total	ug/L	419000	85000	97000	164000	149000
Chloride	mg/L	476	110	99.7	76.1	60
Chromium, Total	ug/L	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	1.1	<1.0	<1.0	<1.0	2.3
Fluoride	mg/L	0.42	0.17	0.29	0.26	<0.10
Lead, Total	ug/L	NA	NA	NA	NA	NA
Lithium, Total	ug/L	143	81.7	122	91.2	25.6
Mercury	ug/L	NA	NA	NA	NA	NA
Molybdenum, Total	ug/L	264	210	229	164	45.6
pH at 25 Degrees C	Std. Units	7.6	7.5	7.4	7.1	7.1
Radium-226	pCi/L	<0.946	0.521	0.929	0.533	<0.643
Radium-228	pCi/L	0.655	0.56	<0.699	<2.04	3.15
Selenium, Total	ug/L	<1.0	<1.0	<1.0	9.7	12
Sulfate	mg/L	1330	130	128	245	135
Thallium, Total	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	2830	552	562	848	668
Total Radium	pCi/L	<2.01	1.08	1.09	<2.76	3.36

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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.

**Table 3**  
**Summary of Monitoring Results - November 2020**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-8S	MW-9D	MW-9I	MW-9S	MW-10S
Sample Date		11/19/2020	11/10/2020	11/10/2020	11/10/2020	11/11/2020
Pace Lab ID		50273934002	50272915009	50272915008	50272915007	50273131009
Static Water Elevation	ft MSL	589.87	589.46	589.44	589.52	586.10
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	19.56	20.71	19.75	21.90	15.53
Dissolved Oxygen, Field	mg/L	0.46	0.42	0.25	0.13	NM
Conductivity, Field	uS/cm	2575.5	781.90	804.80	3165.2	1310
ORP, Field	mV	199.9	22.3	21.0	36.0	18.3
pH, Field	Std. Units	7.00	7.13	7.53	7.12	7.09
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	3.1
Arsenic, Total	ug/L	4.2	<1.0	<1.0	6.3	<1.0
Barium, Total	ug/L	164	105	81.9	115	95
Beryllium, Total	ug/L	NA	NA	NA	NA	NA
Boron, Total	ug/L	2380	<100	142	3180	6840
Cadmium, Total	ug/L	NA	NA	NA	NA	NA
Calcium, Total	ug/L	255000	97500	78400	357000	221000
Chloride	mg/L	291	44.9	94.4	424	109
Chromium, Total	ug/L	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	1.2	1.1	<1.0
Fluoride	mg/L	0.3	0.13	0.45	0.39	0.23
Lead, Total	ug/L	NA	NA	NA	NA	NA
Lithium, Total	ug/L	64	<20.0	<20.0	109	96.2
Mercury	ug/L	NA	NA	NA	NA	NA
Molybdenum, Total	ug/L	95.7	<10.0	14.5	156	90
pH at 25 Degrees C	Std. Units	7.4	7.3	7.7	7.3	7.2
Radium-226	pCi/L	<0.775	0.395	0.318	<1.07	<0.633
Radium-228	pCi/L	<1.61	<0.91	<1.03	0.618	1.04
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	1.8
Sulfate	mg/L	781	38.6	75.4	1070	472
Thallium, Total	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	1810	426	440	2290	1220
Total Radium	pCi/L	<2.39	0.839	<1.72	<1.87	1.25

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-11D	MW-11I	MW-11S	MW-12S	MW-13D
Sample Date		11/12/2020	11/12/2020	11/12/2020	11/12/2020	11/12/2020
Pace Lab ID		50273274003	50273274002	50273274001	50273274004	50273281003
Static Water Elevation	ft MSL	587.86	588.02	587.58	587.14	585.81
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	13.61	14.51	18.66	15.27	13.85
Dissolved Oxygen, Field	mg/L	0.68	0.04	1.08	NM	0.90
Conductivity, Field	uS/cm	1551.8	889.50	631.39	870	710.0
ORP, Field	mV	-98.2	-51.4	-42.0	18.1	53.7
pH, Field	Std. Units	7.27	7.49	7.70	7.24	7.29
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	1.4	1.3	<1.0
Arsenic, Total	ug/L	4.6	1.2	141	1.4	1.3
Barium, Total	ug/L	51.9	43	133	112	57.9
Beryllium, Total	ug/L	NA	NA	NA	NA	<0.20
Boron, Total	ug/L	3330	4140	4270	9050	<100
Cadmium, Total	ug/L	NA	NA	NA	NA	<2.0
Calcium, Total	ug/L	79000	73200	148000	122000	97900
Chloride	mg/L	102	88.8	87.5	80.9	52.2
Chromium, Total	ug/L	NA	NA	NA	NA	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	1.2
Fluoride	mg/L	0.25	0.41	0.2	0.28	<0.10
Lead, Total	ug/L	NA	NA	NA	NA	<10
Lithium, Total	ug/L	85.7	93.2	136	126	<20.0
Mercury	ug/L	NA	NA	NA	NA	<2.0
Molybdenum, Total	ug/L	170	164	74	63.8	<10.0
pH at 25 Degrees C	Std. Units	7.5	7.5	7.2	7.3	7.4
Radium-226	pCi/L	0.342	0.436	0.339	0.253	0.375
Radium-228	pCi/L	0.654	0.696	<0.834	<0.859	0.726
Selenium, Total	ug/L	<1.0	<1.0	2.6	16.7	1.2
Sulfate	mg/L	129	120	246	224	40.9
Thallium, Total	ug/L	NA	NA	NA	NA	<1.0
Total Dissolved Solids	mg/L	564	524	844	732	391
Total Radium	pCi/L	0.996	1.13	0.764	<1.32	1.1

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-13I	MW-13S	MW-14D	MW-14I	MW-14S
Sample Date		11/12/2020	11/12/2020	11/13/2020	11/13/2020	11/13/2020
Pace Lab ID		50273281002	50273281001	50273286003	50273286002	50273286001
Static Water Elevation	ft MSL	585.89	585.88	587.15	587.17	586.99
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	13.58	14.21	12.54	13.55	14.24
Dissolved Oxygen, Field	mg/L	4.01	NM	NM	NM	8.90
Conductivity, Field	uS/cm	711.3	520	1110	1050	620
ORP, Field	mV	55.4	48.2	113.3	98.7	79.6
pH, Field	Std. Units	7.32	7.11	7.48	7.28	7.24
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	1.8	<1.0	<1.0
Arsenic, Total	ug/L	2.0	<1.0	<1.0	<1.0	<1.0
Barium, Total	ug/L	38	44.5	51.1	60.7	34.2
Beryllium, Total	ug/L	<0.20	<0.20	NA	NA	NA
Boron, Total	ug/L	<100	<100	601	1780	238
Cadmium, Total	ug/L	<2.0	<2.0	NA	NA	NA
Calcium, Total	ug/L	96300	103000	135000	131000	96800
Chloride	mg/L	42	10	78.5	58.7	5
Chromium, Total	ug/L	<10.0	<10.0	NA	NA	NA
Cobalt, Total	ug/L	1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	0.35	<0.10	0.14
Lead, Total	ug/L	<10	<10	NA	NA	NA
Lithium, Total	ug/L	<20.0	<20.0	20.8	60.8	20.1
Mercury	ug/L	<2.0	<2.0	NA	NA	NA
Molybdenum, Total	ug/L	<10.0	<10.0	26.4	77.1	43.5
pH at 25 Degrees C	Std. Units	7.4	NA	7.4	7.2	7.2
Radium-226	pCi/L	<0.578	<0.856	0.567	<1.03	0.538
Radium-228	pCi/L	0.703	0.887	<0.974	0.541	0.564
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	29.5	12.7	187	220	12.5
Thallium, Total	ug/L	<1.0	<1.0	NA	NA	NA
Total Dissolved Solids	mg/L	406	387	729	703	355
Total Radium	pCi/L	0.703	1.17	1.06	<2.01	1.1

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

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umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-15D	MW-15I	MW-15S	MW-16D	MW-16I
Sample Date		11/11/2020	11/11/2020	11/11/2020	11/11/2020	11/11/2020
Pace Lab ID		50273130003	50273130002	50273130001	50273130006	50273130005
Static Water Elevation	ft MSL	586.74	586.81	586.67	588.55	589.56
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	14.29	15.21	15.99	12.89	14.06
Dissolved Oxygen, Field	mg/L	0.12	0.34	4.72	0.69	0.06
Conductivity, Field	uS/cm	1193.9	1010.7	572.45	733.74	723.50
ORP, Field	mV	53.6	51.5	60.3	-37.8	-23.3
pH, Field	Std. Units	7.41	7.45	7.16	7.58	7.55
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	3.8	<1.0	<1.0	8.0	1.6
Barium, Total	ug/L	98.4	52.5	82.0	81.7	70.4
Beryllium, Total	ug/L	NA	NA	NA	NA	NA
Boron, Total	ug/L	4430	7170	2330	337	450
Cadmium, Total	ug/L	NA	NA	NA	NA	NA
Calcium, Total	ug/L	122000	87500	116000	81200	72000
Chloride	mg/L	158	115	58.3	85.1	91
Chromium, Total	ug/L	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	3.1	1.4	<1.0	1.2	1.4
Fluoride	mg/L	0.2	0.37	0.33	0.37	0.34
Lead, Total	ug/L	NA	NA	NA	NA	NA
Lithium, Total	ug/L	99	83.2	52.5	75	76.6
Mercury	ug/L	NA	NA	NA	NA	NA
Molybdenum, Total	ug/L	177	326	73.5	92.5	102
pH at 25 Degrees C	Std. Units	7.5	7.5	7.4	7.6	7.5
Radium-226	pCi/L	1.81	0.532	<0.751	0.782	0.345
Radium-228	pCi/L	1.34	0.625	<0.921	0.806	0.5
Selenium, Total	ug/L	<1.0	<1.0	5.0	<1.0	<1.0
Sulfate	mg/L	241	214	86.5	74.9	80.8
Thallium, Total	ug/L	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	752	657	505	442	448
Total Radium	pCi/L	3.15	1.16	<1.67	1.59	0.845

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - November 2020  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-16S
Sample Date		11/11/2020
Pace Lab ID		50273130004
Static Water Elevation	ft MSL	588.53
<b>Field Parameters</b>	<b>Units</b>	
Temperature	°C	13.32
Dissolved Oxygen, Field	mg/L	0.03
Conductivity, Field	uS/cm	1078.8
ORP, Field	mV	-11.0
pH, Field	Std. Units	7.31
<b>Analytical Data</b>		
Antimony, Total	ug/L	<1.0
Arsenic, Total	ug/L	1.0
Barium, Total	ug/L	101
Beryllium, Total	ug/L	NA
Boron, Total	ug/L	563
Cadmium, Total	ug/L	NA
Calcium, Total	ug/L	116000
Chloride	mg/L	125
Chromium, Total	ug/L	NA
Cobalt, Total	ug/L	1.2
Fluoride	mg/L	0.22
Lead, Total	ug/L	NA
Lithium, Total	ug/L	68
Mercury	ug/L	NA
Molybdenum, Total	ug/L	46.7
pH at 25 Degrees C	Std. Units	7.4
Radium-226	pCi/L	0.495
Radium-228	pCi/L	0.473
Selenium, Total	ug/L	1.6
Sulfate	mg/L	147
Thallium, Total	ug/L	NA
Total Dissolved Solids	mg/L	642
Total Radium	pCi/L	0.968

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - February 2021  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-13S	MW-13I	MW-13D
Sample Date		2/25/2021	2/25/2021	2/25/2021
Pace Lab ID		50280794001	50280794002	50280794003
Static Water Elevation	ft MSL	585.74	585.73	585.69
<b>Field Parameters</b>	<b>Units</b>			
Temperature	°C	12.90	12.75	12.79
Dissolved Oxygen, Field	mg/L	6.48	4.46	1.23
Conductivity, Field	uS/cm	815.02	658.92	733.25
ORP, Field	mV	66.1	61.0	91.1
pH, Field	Std. Units	7.17	7.33	6.75
<b>Analytical Data</b>				
Antimony, Total	ug/L	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	<1.0
Barium, Total	ug/L	53.3	42.2	57.0
Beryllium, Total	ug/L	<0.20	<0.20	<0.20
Boron, Total	ug/L	<100	<100	<100
Cadmium, Total	ug/L	<2.0	<2.0	<2.0
Calcium, Total	ug/L	123000	102000	94900
Chloride	mg/L	13.7	55.8	54.4
Chromium, Total	ug/L	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10
Lead, Total	ug/L	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	<20.0
Mercury	ug/L	<2.0	<2.0	<2.0
Molybdenum, Total	ug/L	<10.0	<10.0	<10.0
pH at 25 Degrees C	Std. Units	7.1	7.4	7.4
Radium-226	pCi/L	0.301	0.691	0.317
Radium-228	pCi/L	0.512	0.389	<0.659
Selenium, Total	ug/L	<1.0	<1.0	<1.0
Sulfate	mg/L	25.5	29.0	40.3
Thallium, Total	ug/L	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	501	404	399
Total Radium	pCi/L	0.813	1.08	0.586

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - March 2021  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-13S	MW-13I	MW-13D
Sample Date		3/29/2021	3/29/2021	3/29/2021
Pace Lab ID		50283483001	50283483002	50283483003
Static Water Elevation	ft MSL	588.78	588.79	588.70
<b>Field Parameters</b>	<b>Units</b>			
Temperature	°C	12.42	12.76	12.85
Dissolved Oxygen, Field	mg/L	6.75	5.85	2.35
Conductivity, Field	uS/cm	871.41	778.56	705.17
ORP, Field	mV	87.9	65.5	9.7
pH, Field	Std. Units	6.28	6.72	7.18
<b>Analytical Data</b>				
Antimony, Total	ug/L	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	<1.0
Barium, Total	ug/L	60.3	46.0	60.9
Beryllium, Total	ug/L	<0.20	<0.20	<0.20
Boron, Total	ug/L	<100	<100	<100
Cadmium, Total	ug/L	<2.0	<2.0	<2.0
Calcium, Total	ug/L	134000	109000	98200
Chloride	mg/L	21.1	64.0	55.2
Chromium, Total	ug/L	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10
Lead, Total	ug/L	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20	<20	<20
Mercury	ug/L	<2.0	<2.0	<2.0
Molybdenum, Total	ug/L	<10.0	<10.0	<10.0
pH at 25 Degrees C	Std. Units	7.1	7.3	7.4
Radium-226	pCi/L	<0.63	<0.589	<0.672
Radium-228	pCi/L	<1.02	<0.899	<0.988
Selenium, Total	ug/L	<1.0	<1.0	<1.0
Sulfate	mg/L	30.9	29.7	40.6
Thallium, Total	ug/L	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	527	424	403
Total Radium	pCi/L	<1.65	<1.49	<1.66

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - April 2021  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-17S	MW-17I	MW-17D	MW-18S	MW-18I
Sample Date		4/14/2021	4/14/2021	4/14/2021	4/15/2021	4/15/2021
Pace Lab ID		50284965003	50284965002	50284965001	50285140003	50285140002
Static Water Elevation	ft MSL	589.57	589.61	589.74	589.82	589.56
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	13.24	12.64	12.31	8.82	11.67
Dissolved Oxygen, Field	mg/L	4.66	0.61	0.43	11.50	2.72
Conductivity, Field	uS/cm	756.18	671.61	1080.60	606.52	693.84
ORP, Field	mV	38.2	2.1	-68.7	77.6	86.7
pH, Field	Std. Units	7.24	7.17	7.44	7.35	7.34
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	3.5	8.8	3.7	3.2	1.7
Barium, Total	ug/L	139	89.3	75.7	50.5	102
Beryllium, Total	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20
Boron, Total	ug/L	328	493	4210	117	283
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	102000	91300	105000	73900	80800
Chloride	mg/L	38.6	42.5	104	64.8	67.9
Chromium, Total	ug/L	<10.0	10.3	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	1.5	3.4	<1.0	1.6	1.7
Fluoride	mg/L	0.13	<0.10	<0.10	0.12	<0.10
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	44.2	<20.0	39.3
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0
Molybdenum, Total	ug/L	13.7	<10.0	31	<10.0	60.0
pH at 25 Degrees C	Std. Units	7.4	7.4	7.3	7.5	7.5
Radium-226	pCi/L	0.706	<0.862	0.759	0.625	<0.826
Radium-228	pCi/L	<0.854	<0.739	0.558	<0.804	<0.844
Selenium, Total	ug/L	1.1	1.3	<1.0	2.1	6.7
Sulfate	mg/L	28.7	26.2	223	27.8	41.1
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	412	360	636	329	371
Total Radium	pCi/L	1.09	<1.6	1.32	0.793	<1.67

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - April 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-18D	MW-19S	MW-19I	MW-19D
Sample Date		4/15/2021	4/14/2021	4/15/2021	4/15/2021
Pace Lab ID		50285140001	50284965004	50285140005	50285140004
Static Water Elevation	ft MSL	589.88	589.59	589.55	589.64
<b>Field Parameters</b>	<b>Units</b>				
Temperature	°C	10.81	13.75	12.82	13.62
Dissolved Oxygen, Field	mg/L	0.21	8.12	2.48	0.09
Conductivity, Field	uS/cm	755.24	714.57	1119.3	1013.7
ORP, Field	mV	92.4	60.2	93.2	93.4
pH, Field	Std. Units	7.14	6.93	7.44	7.40
<b>Analytical Data</b>					
Antimony, Total	ug/L	1.7	<1.0	<1.0	2.5
Arsenic, Total	ug/L	1.1	33.8	1.3	1.2
Barium, Total	ug/L	72.4	161	82.6	89.4
Beryllium, Total	ug/L	<0.20	0.49	<0.20	<0.20
Boron, Total	ug/L	2160	155	5150	3210
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	83900	154000	124000	106000
Chloride	mg/L	77.3	2.5	121	110
Chromium, Total	ug/L	<10.0	16.5	<10.0	<10.0
Cobalt, Total	ug/L	1.0	20.1	<1.0	1.7
Fluoride	mg/L	0.21	<0.10	<0.10	0.22
Lead, Total	ug/L	<10.0	17.9	<10.0	<10.0
Lithium, Total	ug/L	57.4	24.5	94.1	34.4
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0
Molybdenum, Total	ug/L	99.5	<10.0	134	48.6
pH at 25 Degrees C	Std. Units	7.5	7.3	7.3	7.5
Radium-226	pCi/L	0.359	0.567	0.719	0.412
Radium-228	pCi/L	0.689	<1.09	<1.12	<0.863
Selenium, Total	ug/L	<1.0	4.0	<1.0	<1.0
Sulfate	mg/L	91.9	7.6	243	148
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	494	380	762	639
Total Radium	pCi/L	1.05	1.12	1.1	<1.41

Notes:

ft MSL: Elevation, feet mean sea level

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uS/cm: microsiemen per centimeter

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NA: Not analyzed

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**Table 7**  
**Summary of Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-1D	MW-1I	MW-1S	MW-2D	MW-2I	MW-2S
Sample Date		5/25/2021	5/25/2021	5/25/2021	5/11/2021	5/11/2021	5/11/2021
Pace Lab ID		50288372003	50288372002	50288372001	50287176003	50287176002	50287176001
Static Water Elevation	ft MSL	590.01	590.04	590.06	590.82	590.79	590.75
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	17.25	14.69	17.72	14.76	14.99	14.40
Dissolved Oxygen, Field	mg/L	0.12	0.12	1.60	1.09	0.03	0.35
Conductivity, Field	uS/cm	870.80	811.51	1336.7	556.70	608.98	708.41
ORP, Field	mV	5.5	190.8	187.6	-19.3	9.4	36.2
pH, Field	Std. Units	7.14	7.18	6.61	7.61	7.48	6.86
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	230	252	488	213	244	384
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	230	252	488	213	244	384
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	<200	<200	<200	<200	<200	<200
Antimony, Total	ug/L	<1.0	<1.0	1.9	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	2.3	<1.0	4.5	4.5	<1.0	12.4
Barium, Total	ug/L	58.9	55.4	69.9	74.2	82.3	116
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron, Total	ug/L	983	1090	2800	245	248	808
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	69500	79100	209000	87600	80300	137000
Chloride	mg/L	94.1	89.0	37.3	87.4	94.1	69.3
Chromium, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Organic Carbon	mg/L	1.0	<1.0	<1.0	<1.0	1.6	1.2
Fluoride	mg/L	0.31	0.26	<0.1	0.19	0.18	0.11
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20	0.2	<0.20	<0.20
Iron, Total	ug/L	810	<100	116	1050	<100	<100
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	82.6	87.7	70	51	58.1	42.3
Magnesium, Total	ug/L	20000	26600	45600	19600	22900	31600
Manganese, Dissolved	ug/L	294	234	<10	216	105	<10
Manganese, Total	ug/L	323	246	11.1	223	123	37.5
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Molybdenum, Dissolved	ug/L	105	95.7	17.2	65.1	63.1	15.8
Molybdenum, Total	ug/L	106	97.5	19.1	67.5	64.1	13.9
Nitrogen, Nitrate	mg/L	0.2	<0.1	1.4	<0.1	<0.10	1.1
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
pH at 25 Degrees C	Std. Units	7.8	7.7	7.4	7.8	8	7.4
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	<0.15	<0.15	0.2
Potassium, Total	ug/L	7620	7820	6270	8580	9090	7350
Radium-226	pCi/L	0.977	0.461	<0.662	0.431	0.671	0.59
Radium-228	pCi/L	0.968	1.44	0.594	<1.14	0.626	<1.01
Selenium, Total	ug/L	<1.0	<1.0	24.4	<1.0	<1.0	5.5
Silica, Total	ug/L	9690	9650	14100	10800	11500	14400
Sodium, Total	ug/L	78800	73800	32000	66800	86400	70400
Sulfate	mg/L	83.4	117	254	82.9	112	110
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	500	548	934	491	567	685
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	1.95	1.9	<1.64	<2.01	1.3	<1.72

Notes:

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**Table 7**  
**Summary of Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-3I	MW-3S	MW-4D	MW-4I	MW-4S	MW-6D
Sample Date		5/11/2021	5/12/2021	5/12/2021	5/12/2021	5/21/2021	5/18/2021
Pace Lab ID		50287176004	50287287001	50287287003	50287287002	50288121001	50287892003
Static Water Elevation	ft MSL	591.29	591.70	591.95	591.93	591.96	590.50
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	16.29	19.20	13.68	13.48	12.62	15.75
Dissolved Oxygen, Field	mg/L	0.07	0.05	0.10	1.23	0.42	0.12
Conductivity, Field	uS/cm	747.01	813.32	526.22	495.67	1340	576.81
ORP, Field	mV	28.7	78.3	84.8	72.2	198.5	172.8
pH, Field	Std. Units	7.11	7.44	7.20	7.17	7.05	7.26
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	223	225	217	215	205	207
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	223	225	217	215	205	207
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	<200	<200	<200	<200	<200	<200
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	5.0	1.4	5.1	<1.0
Barium, Total	ug/L	91.1	114	66.5	69.2	77.9	51.5
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron, Total	ug/L	124	293	140	191	1060	3590
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	97500	109000	74300	72200	133000	75300
Chloride	mg/L	167	176	90.7	82.0	145	93.3
Chromium, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	1.4	1.9	<1.0
Fluoride	mg/L	0.16	0.3	0.31	0.40	0.33	0.16
Iron, Ferrous	mg/L	<0.20	<0.20	0.84	0.32	<0.20	<0.20
Iron, Total	ug/L	<100	<100	1200	541	<100	121
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	<20.0	<20.0	51.3	84.5
Magnesium, Total	ug/L	31000	27800	23300	22500	30900	14300
Manganese, Dissolved	ug/L	45.7	482	204	138	<10.0	270
Manganese, Total	ug/L	46.5	538	214	149	<10.0	298
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Molybdenum, Dissolved	ug/L	56.9	52.9	12.6	11.9	59.2	220
Molybdenum, Total	ug/L	59.5	56	12.6	12.6	60.1	219
Nitrogen, Nitrate	mg/L	0.93	1.3	<0.10	<0.10	1.5	<0.10
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
pH at 25 Degrees C	Std. Units	7.6	7.7	7.9	7.7	7.7	7.7
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	<0.15	1.6	<0.15
Potassium, Total	ug/L	5540	7380	3230	3350	10500	6430
Radium-226	pCi/L	<0.85	<0.972	<0.87	0.562	0.673	0.398
Radium-228	pCi/L	<1.07	<1.78	0.529	0.555	1.37	0.794
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	1.3	<1.0
Silica, Total	ug/L	12100	12600	11000	10300	16500	11400
Sodium, Total	ug/L	115000	124000	67400	64600	108000	85500
Sulfate	mg/L	215	172	78	64.4	306	108
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	678	692	468	412	858	529
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	<1.92	<2.75	<1.75	1.12	2.04	1.19

Notes:

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**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-6I	MW-6S	MW-7S	MW-8S	MW-9D	MW-9I
Sample Date		5/18/2021	5/18/2021	5/17/2021	5/12/2021	5/13/2021	5/13/2021
Pace Lab ID		50287892002	50287892001	50287762001	50287287004	50287430003	50287430002
Static Water Elevation	ft MSL	590.50	590.52	591.44	592.64	592.41	592.38
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	15.76	14.19	14.63	14.29	17.72	19.15
Dissolved Oxygen, Field	mg/L	0.03	2.23	0.83	0.04	0.16	0.11
Conductivity, Field	uS/cm	561.21	826.73	1169.5	1309.7	540.58	929.76
ORP, Field	mV	177.6	1.2	126.5	111.4	78.3	87.5
pH, Field	Std. Units	7.19	6.84	6.76	7.20	6.94	7.69
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	232	366	356	211	352	178
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	232	366	356	211	352	178
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	<200	<200	<200	<200	<200	<200
Antimony, Total	ug/L	<1.0	1.4	2.7	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	<1.0	4.8	<1.0	<1.0
Barium, Total	ug/L	52.9	89.7	106	106	122	129
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron, Total	ug/L	2280	4980	1520	1590	114	590
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	78100	142000	233000	203000	121000	122000
Chloride	mg/L	84.8	80.0	149	239	49.8	163
Chromium, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
Dissolved Organic Carbon	mg/L	<1.0	<1.0	1.2	2.1	<1.0	<1.0
Fluoride	mg/L	0.30	0.19	<0.1	0.44	0.12	0.35
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	ug/L	<100	<100	296	<100	<100	<100
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	102	99.5	31.1	50.1	<20.0	<20.0
Magnesium, Total	ug/L	17000	31800	48900	47900	30200	35300
Manganese, Dissolved	ug/L	48.3	<10	343	72.1	216	380
Manganese, Total	ug/L	50.6	51.9	412	77.1	232	388
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Molybdenum, Dissolved	ug/L	229	135	37.5	136	<10.0	11.1
Molybdenum, Total	ug/L	231	138	39.9	139	<10.0	10.8
Nitrogen, Nitrate	mg/L	<0.10	0.34	1.9	<0.1	<0.10	0.84
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.12
pH at 25 Degrees C	Std. Units	7.6	7.3	7.4	7.8	7.9	7.8
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	0.88	<0.15	<0.15
Potassium, Total	ug/L	12200	9590	6050	12500	2970	7690
Radium-226	pCi/L	0.73	<0.533	<1	<0.553	1.05	0.461
Radium-228	pCi/L	1.79	0.747	<1.07	<1.13	1.37	0.735
Selenium, Total	ug/L	<1.0	14.2	22.7	<1.0	<1.0	<1.0
Silica, Total	ug/L	10200	12600	15200	17700	14600	10700
Sodium, Total	ug/L	70200	91200	124000	192000	26800	142000
Sulfate	mg/L	86.1	209	436	533	37.8	364
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	521	898	1270	1410	485	866
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	2.52	<1.95	<2.07	<1.68	2.42	1.2

Notes:

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**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-9S	MW-10S	MW-11D	MW-11I	MW-11S	MW-12S
Sample Date		5/13/2021	5/21/2021	5/17/2021	5/17/2021	5/17/2021	5/13/2021
Pace Lab ID		50287430001	50288121002	50287762004	50287762003	50287762002	50287430004
Static Water Elevation	ft MSL	592.32	590.71	589.99	589.97	589.91	590.29
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	16.90	15.29	14.40	14.46	14.30	14.57
Dissolved Oxygen, Field	mg/L	1.51	1.19	0.11	0.06	0.94	0.49
Conductivity, Field	uS/cm	1637.7	1461.0	607.65	555.80	809.44	733.66
ORP, Field	mV	135.1	198.6	113.3	118.3	127.4	131.2
pH, Field	Std. Units	7.01	6.57	7.46	7.45	7.13	7.05
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	220	293	200	225	404	271
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	220	293	200	225	404	271
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	<200	<200	<200	<200	<200	<200
Antimony, Total	ug/L	<1.0	2.2	<1.0	<1.0	1.5	1.2
Arsenic, Total	ug/L	2.9	<1.0	5.1	1.2	110	<1.0
Barium, Total	ug/L	65.1	73.7	55	53	123	99.4
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Boron, Total	ug/L	2790	5970	2480	2070	3810	7680
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Calcium, Total	ug/L	284000	176000	76200	72200	153000	122000
Chloride	mg/L	283	116	99.4	85.2	58.7	86.6
Chromium, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.42	0.22	0.25	0.4	0.16	0.28
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	ug/L	<100	<100	874	176	<100	<100
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	79.1	96.6	84.1	107	114	113
Magnesium, Total	ug/L	65500	40700	20200	19700	38700	22700
Manganese, Dissolved	ug/L	710	95	258	228	<10	64.7
Manganese, Total	ug/L	725	94.4	267	239	<10	140
Mercury	ug/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Molybdenum, Dissolved	ug/L	187	94.8	170	147	68.1	66.4
Molybdenum, Total	ug/L	179	91.8	173	152	69.3	69.5
Nitrogen, Nitrate	mg/L	0.63	0.23	<0.10	<0.10	0.73	0.45
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
pH at 25 Degrees C	Std. Units	7.6	7.6	7.8	7.5	7.5	7.7
Phosphate as P04	mg/L	0.75	<0.15	<0.15	0.15	0.45	<0.15
Potassium, Total	ug/L	15300	10800	6760	7160	10400	13200
Radium-226	pCi/L	<0.697	<0.874	6.86	0.864	<0.526	<0.811
Radium-228	pCi/L	0.571	<1.25	<1.34	0.833	<1.16	<1.1
Selenium, Total	ug/L	1.4	1.1	<1.0	<1.0	11.1	12.4
Silica, Total	ug/L	20600	11800	11000	10200	12200	11300
Sodium, Total	ug/L	244000	101000	91400	79400	75100	105000
Sulfate	mg/L	800	395	122	85.6	236	206
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	1840	1030	546	477	808	722
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	<1.38	<2.12	7.11	1.7	<1.69	<1.91

Notes:

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uS/cm: microsiemen per centimeter

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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 Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-13D	MW-13I	MW-13S	MW-14D	MW-14I	MW-14S
Sample Date		5/20/2021	5/20/2021	5/20/2021	5/12/2021	5/12/2021	5/12/2021
Pace Lab ID		50288037003	50288037002	50288037001	50287286003	50287286002	50287286001
Static Water Elevation	ft MSL	590.38	590.46	590.45	590.21	590.29	590.34
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	16.55	15.33	14.37	13.79	13.82	12.98
Dissolved Oxygen, Field	mg/L	0.67	4.56	6.26	0.21	1.01	7.33
Conductivity, Field	uS/cm	618.65	787.92	837.79	985.72	1101.4	584.67
ORP, Field	mV	174.3	172.0	191.4	101.3	107.0	118.4
pH, Field	Std. Units	6.82	6.93	6.51	6.81	6.79	6.89
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	274	301	387	268	280	280
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	274	301	387	268	280	280
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	<200	<200	<200	<200	316	243
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Barium, Total	ug/L	60.3	42.4	51	62.1	28.4	34.1
Beryllium, Total	ug/L	<0.2	<0.2	<0.2	NA	NA	NA
Boron, Total	ug/L	<100	<100	<100	4090	2010	537
Cadmium, Total	ug/L	<2.0	<2.0	<2.0	NA	NA	NA
Calcium, Total	ug/L	94700	103000	125000	140000	172000	101000
Chloride	mg/L	49.0	63.0	21.6	91.1	90.7	8.9
Chromium, Total	ug/L	<10.0	<10.0	<10.0	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	0.10
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	ug/L	<100	<100	157	147	572	460
Lead, Total	ug/L	<10.0	<10.0	<10.0	NA	NA	NA
Lithium, Total	ug/L	<20.0	<20.0	<20.0	79.4	26.5	21.7
Magnesium, Total	ug/L	30800	32900	33200	32700	37100	25000
Manganese, Dissolved	ug/L	24.1	<10.0	<10.0	<10	113	<10.0
Manganese, Total	ug/L	32.9	<10.0	23.1	<10	134	37.3
Mercury	ug/L	<2.0	<2.0	<2.0	NA	NA	NA
Molybdenum, Dissolved	ug/L	<10.0	<10.0	<10.0	89.0	14.8	49.4
Molybdenum, Total	ug/L	<10.0	<10.0	<10.0	92.2	15.8	52.6
Nitrogen, Nitrate	mg/L	0.46	1.4	9.2	<0.1	<0.1	11.2
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<2.0	<0.10	<0.10	<1.0
pH at 25 Degrees C	Std. Units	7.6	7.6	7.4	7.6	7.5	7.5
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Potassium, Total	ug/L	1330	1910	2880	5190	4540	2420
Radium-226	pCi/L	<1.06	<1.02	<1.26	<0.656	<0.825	<0.596
Radium-228	pCi/L	<1.08	<0.986	<0.893	<0.9	<1.04	0.484
Selenium, Total	ug/L	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
Silica, Total	ug/L	15700	17800	15300	14900	16100	13300
Sodium, Total	ug/L	14600	17000	11100	78400	93600	12900
Sulfate	mg/L	45	29.7	26.5	218	363	31.6
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	<1.0	<1.0	<1.0	NA	NA	NA
Total Dissolved Solids	mg/L	397	447	480	710	924	405
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	<2.14	<2.01	<2.15	<1.56	<1.87	<1.51

Notes:

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**Table 7**  
**Summary of Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-15D	MW-15I	MW-15S	MW-16D	MW-16I	MW-16S
Sample Date		5/12/2021	5/12/2021	5/11/2021	5/11/2021	5/11/2021	5/11/2021
Pace Lab ID		50287286005	50287286004	50287175001	50287175004	50287175003	50287175002
Static Water Elevation	ft MSL	590.07	590.06	589.90	590.95	590.98	590.94
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	14.92	14.03	14.03	14.15	14.08	14.02
Dissolved Oxygen, Field	mg/L	0.41	2.01	5.48	1.88	0.22	0.05
Conductivity, Field	uS/cm	1008.3	859.55	838.71	799.01	833.77	1007.1
ORP, Field	mV	69.8	117.0	53.7	-27.8	50.0	49.2
pH, Field	Std. Units	7.35	7.53	7.12	7.29	7.19	6.77
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	186	177	280	209	218	255
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	186	177	280	209	218	255
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	228	<200	<200	<200	245	418
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	1.0	<1.0	<1.0	4.4	<1.0	<1.0
Barium, Total	ug/L	64	49.2	85.4	73.7	70.9	91.8
Beryllium, Total	ug/L	NA	NA	NA	NA	NA	NA
Boron, Total	ug/L	5000	8100	3710	279	385	509
Cadmium, Total	ug/L	NA	NA	NA	NA	NA	NA
Calcium, Total	ug/L	113000	78300	112000	85000	71600	108000
Chloride	mg/L	138	111	63.4	104	103	113
Chromium, Total	ug/L	NA	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Fluoride	mg/L	0.15	0.36	0.20	0.24	0.22	0.14
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	ug/L	640	<100	331	1340	500	661
Lead, Total	ug/L	NA	NA	NA	NA	NA	NA
Lithium, Total	ug/L	88.1	86.7	53.1	67.6	75.9	58.5
Magnesium, Total	ug/L	20800	17600	26400	20400	24000	27800
Manganese, Dissolved	ug/L	390	85.8	<10.0	177	88.9	279
Manganese, Total	ug/L	430	87.7	34.9	186	95.9	360
Mercury	ug/L	NA	NA	NA	NA	NA	NA
Molybdenum, Dissolved	ug/L	188	420	76.1	69.8	98.1	41.1
Molybdenum, Total	ug/L	190	432	77.5	71.6	99.0	42.5
Nitrogen, Nitrate	mg/L	<0.1	<0.10	3.9	<0.1	<0.10	0.99
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
pH at 25 Degrees C	Std. Units	7.7	7.7	7.8	7.8	7.7	7.6
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Potassium, Total	ug/L	7560	9280	8060	8910	7950	8280
Radium-226	pCi/L	0.484	0.75	<0.385	<0.461	0.422	<0.569
Radium-228	pCi/L	0.723	<0.892	0.517	1.22	<1.08	0.549
Selenium, Total	ug/L	<1.0	<1.0	5.4	<1.0	<1.0	<1.0
Silica, Total	ug/L	12800	9870	12300	10900	11200	14000
Sodium, Total	ug/L	117000	124000	57900	68000	78100	73800
Sulfate	mg/L	237	223	115	83.2	81.6	124
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	738	661	565	538	502	617
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	1.21	1.07	<1.19	1.35	<2.08	<1.55

Notes:

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**Table 7**  
**Summary of Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-17D	MW-17I	MW-17S	MW-18D	MW-18I	MW-18S
Sample Date		5/13/2021	5/13/2021	5/13/2021	5/14/2021	5/14/2021	5/13/2021
Pace Lab ID		50287429003	50287429002	50287429001	50287573002	50287573001	50287429004
Static Water Elevation	ft MSL	589.59	589.44	589.40	589.61	589.30	589.58
<b>Field Parameters</b>	<b>Units</b>						
Temperature	°C	12.49	11.92	11.28	12.38	11.72	10.14
Dissolved Oxygen, Field	mg/L	0.21	0.08	0.02	0.05	0.41	6.65
Conductivity, Field	uS/cm	815.60	599.64	652.21	883.13	566.81	546.99
ORP, Field	mV	9.1	116.8	116.9	3.1	122.6	89.3
pH, Field	Std. Units	7.25	7.22	7.10	7.40	7.34	7.16
<b>Analytical Data</b>							
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	207	259	310	258	216	175
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	207	259	310	258	216	175
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	714	807	<200	1590	<200	266
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	3.9	1.1	<1.0	1.7	<1.0	<1.0
Barium, Total	ug/L	73.9	60.3	117	77.6	96	34.9
Beryllium, Total	ug/L	NA	NA	NA	NA	NA	NA
Boron, Total	ug/L	4520	455	363	5270	408	174
Cadmium, Total	ug/L	NA	NA	NA	NA	NA	NA
Calcium, Total	ug/L	110000	84400	105000	108000	76800	70200
Chloride	mg/L	98.5	41.9	39.8	125	48.3	67.3
Chromium, Total	ug/L	NA	NA	NA	NA	NA	NA
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	1.2	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	0.12	0.16	0.11	<0.10	0.18
Iron, Ferrous	mg/L	0.65	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	ug/L	2560	960	160	2640	216	437
Lead, Total	ug/L	2.6	<1.0	<1.0	3.8	<1.0	<1.0
Lithium, Total	ug/L	42.9	<20.0	<20.0	99	53.8	<20.0
Magnesium, Total	ug/L	28600	20900	23000	22200	16100	16100
Manganese, Dissolved	ug/L	323	<10.0	<10.0	374	43.2	<10.0
Manganese, Total	ug/L	362	11.8	<10.0	482	77.6	<10.0
Mercury	ug/L	NA	NA	NA	NA	NA	NA
Molybdenum, Dissolved	ug/L	30.2	<10.0	13.1	164	84.3	21.7
Molybdenum, Total	ug/L	31.3	<10.0	13.6	161	80.4	23.5
Nitrogen, Nitrate	mg/L	0.13	1.9	1.9	<0.1	1.0	1.4
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
pH at 25 Degrees C	Std. Units	7.6	7.5	7.4	7.6	7.7	7.8
Phosphate as P04	mg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Potassium, Total	ug/L	4010	2600	3540	7840	5910	2300
Radium-226	pCi/L	<0.95	0.341	0.232	<0.876	<0.865	<0.426
Radium-228	pCi/L	1.2	1.08	0.662	1.42	0.68	<0.8
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0	2.0	<1.0
Silica, Total	ug/L	14600	13100	11900	19000	11000	7800
Sodium, Total	ug/L	85000	35600	31000	104000	28900	35800
Sulfate	mg/L	218	26.8	28.6	152	28.7	30.2
Sulfide	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium, Total	ug/L	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	mg/L	661	391	422	688	372	330
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Radium	pCi/L	1.34	1.42	0.894	1.42	<1.47	<1.23

Notes:

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**Table 7**  
**Summary of Monitoring Results - May 2021**  
**Multiunit Ash Pond System**  
**AES Indiana**  
**Eagle Valley Generating Station**  
**Martinsville, Indiana**  
**ATC Project No. 170LF01114**

Well ID		MW-19D	MW-19I	MW-19S
Sample Date		5/19/2021	5/19/2021	5/19/2021
Pace Lab ID		50287915003	50287915002	50287915001
Static Water Elevation	ft MSL	589.68	589.67	589.68
<b>Field Parameters</b>	<b>Units</b>			
Temperature	°C	15.59	15.42	14.30
Dissolved Oxygen, Field	mg/L	0.05	0.00	5.76
Conductivity, Field	uS/cm	1341.1	1267.50	653.67
ORP, Field	mV	111.9	109.5	134.4
pH, Field	Std. Units	6.87	6.97	6.54
<b>Analytical Data</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	223	233	327
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	mg/L	223	233	327
Alkalinity, Carbonate (CaCO <sub>3</sub> )	mg/L	<2.0	<2.0	<2.0
Aluminum, Total	ug/L	757	<200	<200
Antimony, Total	ug/L	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	1.7	<1.0	<1.0
Barium, Total	ug/L	69.3	74.4	28.4
Beryllium, Total	ug/L	NA	NA	NA
Boron, Total	ug/L	5850	5060	355
Cadmium, Total	ug/L	NA	NA	NA
Calcium, Total	ug/L	125000	122000	98500
Chloride	mg/L	144	117	4.2
Chromium, Total	ug/L	NA	NA	NA
Cobalt, Total	ug/L	1.1	<1.0	<1.0
Dissolved Organic Carbon	mg/L	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	<0.10
Iron, Ferrous	mg/L	<0.20	<0.20	<0.20
Iron, Total	ug/L	1580	190	168
Lead, Total	ug/L	<1.0	<1.0	<1.0
Lithium, Total	ug/L	26.2	103	<20.0
Magnesium, Total	ug/L	30500	26800	26800
Manganese, Dissolved	ug/L	460	106	<10.0
Manganese, Total	ug/L	503	109	19.2
Mercury	ug/L	NA	NA	NA
Molybdenum, Dissolved	ug/L	14.3	134	<10.0
Molybdenum, Total	ug/L	17.1	132	<10.0
Nitrogen, Nitrate	mg/L	<0.10	<0.10	11.1
Nitrogen, Nitrite	mg/L	<0.10	<0.10	<2.0
pH at 25 Degrees C	Std. Units	7.6	7.7	7.4
Phosphate as P0 <sub>4</sub>	mg/L	0.17	<0.15	0.24
Potassium, Total	ug/L	4580	7450	1740
Radium-226	pCi/L	0.368	0.694	<0.653
Radium-228	pCi/L	0.815	0.929	0.56
Selenium, Total	ug/L	<1.0	<1.0	<1.0
Silica, Total	ug/L	16800	13000	10800
Sodium, Total	ug/L	104000	93000	12000
Sulfate	mg/L	232	239	13.1
Sulfide	mg/L	<0.10	<0.10	<0.10
Thallium, Total	ug/L	NA	NA	NA
Total Dissolved Solids	mg/L	764	700	374
Total Organic Carbon	mg/L	<1.0	<1.0	<1.0
Total Radium	pCi/L	1.18	1.62	<1.5

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - July 2021 (Off-Site N and E Wells)  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-17S	MW-17I	MW-17D	MW-18S	MW-18I
Sample Date		7/6/2021	7/6/2021	7/6/2021	7/7/2021	7/7/2021
Pace Lab ID		50291969001	50291969002	50291969003	50291969004	50291969005
Static Water Elevation	ft MSL	588.39	588.49	588.37	590.68	590.42
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	15.19	14.32	13.81	14.19	14.4
Dissolved Oxygen, Field	mg/L	1.58	0.08	0.29	7.63	0.24
Conductivity, Field	uS/cm	749.55	680.16	922.85	661.11	624.44
ORP, Field	mV	31.97	6.5	-68.4	98.7	164.5
pH, Field	Std. Units	7.21	7.37	7.39	7.31	7.30
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	1.5	2.9	<1.0	<1.0
Barium, Total	ug/L	117	60.7	59.3	43.1	102
Boron, Total	ug/L	248	395	3640	161	517
Calcium, Total	ug/L	96200	76200	86000	74100	67900
Chloride	ug/L	43.7	43.9	64.8	60.9	45.1
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.19	0.16	<0.10	0.18	0.11
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	46.4	<20.0	58.1
Molybdenum, Total	mg/L	14.9	<10	22.3	13.4	98.0
pH at 25 Degrees C	ug/L	7.4	7.4	7.5	7.6	7.6
Radium-226	ug/L	<0.835	<0.642	0.521	<0.851	<0.743
Radium-228	ug/L	0.958	<1.16	<1.15	0.817	<0.98
Selenium, Total	ug/L	1.3	<1.0	<1.0	5.0	1.2
Sulfate	ug/L	30.0	28.7	158	36.2	28.4
Total Dissolved Solids	pCi/L	409	350	537	346	328
Total Radium	pCi/L	1.02	<1.8	<1.71	0.947	<1.72

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - July 2021 (Off-Site N and E Wells)  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-18D	MW-19S	MW-19I	MW-19D
Sample Date		7/7/2021	7/8/2021	7/8/2021	7/8/2021
Pace Lab ID		50291969006	50291969007	50291969008	50291969009
Static Water Elevation	ft MSL	590.71	590.67	590.70	590.72
<b>Field Parameters</b>	<b>Units</b>				
Temperature	°C	15.71	15.91	16.45	14.35
Dissolved Oxygen, Field	mg/L	1.23	5.23	4.91	1.14
Conductivity, Field	uS/cm	1391.6	728.90	1037.3	1070
ORP, Field	mV	-76.6	123.5	103.0	115.0
pH, Field	Std. Units	7.35	6.97	7.44	7.36
<b>Analytical Data</b>					
Antimony, Total	ug/L	<1.0	<1.0	<1.0	3.4
Arsenic, Total	ug/L	1.6	1.2	1.9	<1.0
Barium, Total	ug/L	84.5	34.5	82.4	81.9
Boron, Total	ug/L	5960	295	4400	3200
Calcium, Total	ug/L	119000	97200	111000	99700
Chloride	ug/L	159	3.2	96.2	106
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	0.12	0.25
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	96	<20.0	91.8	35.5
Molybdenum, Total	mg/L	136	<10	123	48.8
pH at 25 Degrees C	ug/L	7.4	7.4	7.6	7.6
Radium-226	ug/L	<0.986	<0.479	1.43	0.541
Radium-228	ug/L	0.668	0.441	0.572	1.01
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0
Sulfate	ug/L	246	10.6	232	164
Total Dissolved Solids	pCi/L	802	399	732	656
Total Radium	pCi/L	<1.95	<1.26	2.0	1.55

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - July 2021  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-13S	MW-13I	MW-13D
Sample Date		7/27/2021	7/27/2021	7/27/2021
Pace Lab ID		50293483001	50293483002	50293483003
Static Water Elevation	ft MSL	592.33	592.36	592.18
<b>Field Parameters</b>	<b>Units</b>			
Temperature	°C	14.23	15.02	14.33
Dissolved Oxygen, Field	mg/L	7.38	4.31	0.97
Conductivity, Field	uS/cm	734.16	758.63	729.56
ORP, Field	mV	173.6	149.1	138.9
pH, Field	Std. Units	6.19	6.69	6.76
<b>Analytical Data</b>				
Antimony, Total	ug/L	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	<1.0
Barium, Total	ug/L	48.3	43.6	64.5
Beryllium, Total	ug/L	<0.20	<0.20	<0.20
Boron, Total	ug/L	<100	<100	<100
Cadmium, Total	ug/L	<2.0	<2.0	<2.0
Calcium, Total	ug/L	106000	99900	93400
Chloride	mg/L	9.5	47.0	46.8
Chromium, Total	ug/L	<10.0	<10.0	<10.0
Cobalt, Total	ug/L	<1.0	<1.0	<1.0
Fluoride	mg/L	<0.10	<0.10	0.12
Lead, Total	ug/L	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	<20.0
Mercury	ug/L	<2.0	<2.0	<2.0
Molybdenum, Total	ug/L	<10.0	<10.0	<10.0
pH at 25 Degrees C	Std. Units	7.3	7.4	7.4
Radium-226	pCi/L	<0.475	<0.636	0.629
Radium-228	pCi/L	<0.719	<0.716	<0.753
Selenium, Total	ug/L	<1.0	<1.0	1.3
Sulfate	mg/L	15.2	29.6	35.9
Thallium, Total	ug/L	<1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	427	461	447
Total Radium	pCi/L	<1.19	<1.35	0.795

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - August 2021 (Off-Site N and E Wells)  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-17S	MW-17I	MW-17D	MW-18S	MW-18I
Sample Date		8/19/2021	8/18/2021	8/18/2021	8/20/2021	8/19/2021
Pace Lab ID		50295599001	50295599002	50295599003	50295599004	50295599007
Static Water Elevation	ft MSL	586.35	586.38	586.47	588.87	588.54
<b>Field Parameters</b>	<b>Units</b>					
Temperature	°C	15.78	16.22	17.53	14.66	16.4
Dissolved Oxygen, Field	mg/L	2.15	0.14	0.07	6.53	0.30
Conductivity, Field	uS/cm	669.02	664.43	974.49	659.93	632.42
ORP, Field	mV	164.5	4.3	-109.8	112.1	39.1
pH, Field	Std. Units	7.02	7.12	7.17	7.09	7.2
<b>Analytical Data</b>						
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	<1.0	<1.0	3.8	<1.0	<1.0
Barium, Total	ug/L	100	55.2	60.6	41.4	114
Boron, Total	ug/L	259	403	4000	182	842
Calcium, Total	ug/L	92100	80600	99900	81000	77600
Chloride	mg/L	39.7	48.6	84.7	57.6	44.8
Cobalt, Total	ug/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoride	mg/L	0.19	0.14	<0.1	0.17	<0.1
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	<20.0	<20.0	45.2	<20.0	70.3
Molybdenum, Total	ug/L	14.3	<10	27.8	11.5	126
pH at 25 Degrees C	Std. Units	7.8	7.4	7.6	7.5	7.8
Selenium, Total	ug/L	<1.0	<1.0	<1.0	6.8	<1.0
Sulfate	mg/L	25.1	30.1	206	38.5	33.6
Total Dissolved Solids	mg/L	369	362	613	367	342

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 Monitoring Results - August 2021 (Off-Site N and E Wells)  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Well ID		MW-18D	MW-19S	MW-19I	MW-19D
Sample Date		8/19/2021	8/20/2021	8/20/2021	8/20/2021
Pace Lab ID		50295599008	50295599009	50295599010	50295599011
Static Water Elevation	ft MSL	588.80	589.34	589.31	589.08
<b>Field Parameters</b>	<b>Units</b>				
Temperature	°C	21.73	18.54	16.54	15.79
Dissolved Oxygen, Field	mg/L	0.55	5.21	0.25	5.37
Conductivity, Field	uS/cm	1391.7	701.99	1197.3	1170.5
ORP, Field	mV	-72.1	87.4	11.1	122.2
pH, Field	Std. Units	7.16	7.03	7.12	7.18
<b>Analytical Data</b>					
Antimony, Total	ug/L	<1.0	<1.0	<1.0	<1.0
Arsenic, Total	ug/L	1.6	2.9	<1.0	<1.0
Barium, Total	ug/L	82.4	44.9	77.8	59.3
Boron, Total	ug/L	6180	258	5300	5240
Calcium, Total	ug/L	131000	115000	126000	117000
Chloride	mg/L	171	2.9	106	141
Cobalt, Total	ug/L	<1.0	1.8	<1.0	<1.0
Fluoride	mg/L	<0.1	<0.1	<0.1	0.12
Lead, Total	ug/L	<10.0	<10.0	<10.0	<10.0
Lithium, Total	ug/L	87.0	<20.0	96.5	<20.0
Molybdenum, Total	ug/L	133	<10	136	17.3
pH at 25 Degrees C	Std. Units	7.5	7.3	7.7	7.6
Selenium, Total	ug/L	<1.0	<1.0	<1.0	<1.0
Sulfate	mg/L	267	10.2	231	245
Total Dissolved Solids	mg/L	890	379	757	748

Notes:

ft MSL: Elevation, feet mean sea level

°C: Degrees celcius

uS/cm: microsiemen per centimeter

umhos/cm: micromhos per centimeter

NA: Not analyzed

NM: Not Measured

NS: Not Sampled

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 11**  
 Groundwater Protection Standards -  
 November 2020 and May 2021  
 Multiunit Ash Pond System  
 AES Indiana  
 Eagle Valley Generating Station  
 Martinsville, Indiana  
 ATC Project No. 170LF01114

Parameter	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Selenium	Thallium	Radium 226/228 Combined
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L
Shallow Zone GWPS	6	10	2000	4	5	100	6	4	15	95.5	2	100	50	2	5
Intermediate Zone GWPS	6	10	2000	4	5	100	6	4	15	40	2	100	50	2	5
Deep Zone GWPS	6	12.6	2000	4	5	100	6	4	15	40	2	100	50	2	5

Notes:

ug/L = micrograms per liter (ppb)

mg/L = milligrams per liter (ppm)

pCi/L = picoCuries per liter

GWPS = Groundwater Protection Standard