

# **2017 Annual Groundwater Monitoring and Corrective Action Report**

**Kincaid Ash Pond – CCR Unit ID 141  
Kincaid Power Station  
West Route 104  
Kincaid, Illinois 62540**

**Kincaid Generation, L.L.C.**

**January 31, 2018**



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# 2017 Annual Groundwater Monitoring and Corrective Action Report

Kincaid Ash Pond – CCR Unit ID 141  
Kincaid Power Station  
Kincaid, Illinois

Prepared for:  
*Kincaid Generation, L.L.C.*



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**ACRONYMS AND ABBREVIATIONS**

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|         |   |
|---------|---|
| CCR     | Coal Combustion Residuals                   |
| CFR     | Code of Federal Regulations                 |
| mg/L    | milligrams per liter                        |
| NRT/OBG | Natural Resource Technology, an OBG Company |
| OBG     | O'Brien & Gere Engineers, Inc.              |
| SSI     | statistically significant increase          |
| STD     | standard units                              |

## 1 INTRODUCTION

### 1.1 OVERVIEW

This report has been prepared on behalf of Kincaid Generation, L.L.C. by O'Brien & Gere Engineers, Inc. (OBG), to provide the information required by 40 CFR 257.90(e) for the Kincaid Ash Pond located at Kincaid Power Station near Kincaid, Illinois.

In accordance with 40 CFR 257.90(e), the owner or operator of an existing CCR unit must prepare an annual groundwater monitoring and corrective action report, for the preceding calendar year, that documents the status of the groundwater monitoring and corrective action program for the CCR unit, summarizes key actions completed, describes any problems encountered, discusses actions to resolve the problems, and projects key activities for the upcoming year. At a minimum, the annual report must contain the following information, to the extent available:

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.
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.
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.
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).
5. Other information required to be included in the annual report as specified in §§ 257.90 through 257.98.<sup>1</sup>

This report provides the required information for the Kincaid Ash Pond for calendar year 2017.

### 1.2 MONITORING AND CORRECTIVE ACTION PROGRAM STATUS

The final three independent samples of the minimum eight required by 40 CFR 257.94(b) were collected and analyzed from each background and downgradient well in 2017 before October 17. The other five independent samples were collected and analyzed in 2015 and 2016.

The first semi-annual monitoring sample for the Detection Monitoring Program was collected in November 2017 from each well.

Using the last of the minimum eight samples required to be collected by October 17, 2017 to determine whether a statistically significant increase (SSI) of Appendix III parameters over background concentrations has occurred, evaluation of analytical data from the downgradient wells was initiated beginning no later than October 17, 2017 for the initial eight samples. SSI determinations will be completed within 90 days (January 15, 2018). In addition, SSI determinations will be completed within 90 days of completion of analysis for the first semi-annual detection monitoring sample collected on November 6-7, 2017, for which analytical data was received on November 29, 2017.

<sup>1</sup> For calendar year 2017, corrective action and other information required to be included in the annual report as specified in §§ 257.90 through 257.98 is inapplicable.

## 2 KEY ACTIONS COMPLETED IN 2017

### 2.1 SUMMARY

Three groundwater sampling events were completed in 2017 as part of an effort initiated in 2015 to collect eight independent samples from background and downgradient monitoring wells in accordance with 40 CFR 257.94(b).

Subsequent to collection of the eight independent samples, an additional sampling event was completed in November 2017 for parameters listed in Appendix III, 40 CFR Part 257, to supplement the background data set and as the first semi-annual monitoring sampling event for the Detection Monitoring Program.

A map showing the groundwater monitoring system, including the CCR unit and all background and downgradient monitoring wells with well identification numbers, for the Kincaid Ash Pond is presented in Figure 1. No monitoring wells were installed or decommissioned from the monitoring system in 2017.

Samples were collected and analyzed in accordance with the Sampling and Analysis Plan (NRT/OBG, 2017a) prepared for the Kincaid Ash Pond.

All monitoring data obtained under 40 CFR §§ 257.90 through 257.98 (as applicable) in 2017, as well as monitoring data for the previously collected five independent samples are presented in Tables 1 and 2. Sample collection dates in 2017 were February 13, May 18-19, July 18, and November 6-7. Sample collection dates for previously collected five independent samples are identified in Tables 1 and 2. One ground water sample was collected from each background and downgradient well in each sampling event.

Statistical evaluation of analytical data from the eight independent samples required to be collected by October 17, 2017 and the first semi-annual detection monitoring event on November 6-7, 2017 was initiated and will be completed within 90 days of October 17, 2017 (January 15, 2018) or 90 days from receipt of the data from the first semi-annual detection monitoring event (February 27, 2018), respectively. Statistical evaluation of analytical data is being performed in accordance with the Statistical Analysis Plan, Kincaid Power Station, Kincaid Generation, L.L.C. (NRT/OBG, 2017b).

### 2.2 PROBLEMS ENCOUNTERED AND ACTIONS TO RESOLVE THE PROBLEMS

No problems were encountered with the groundwater monitoring program during 2017. Groundwater samples were collected and analyzed in accordance with the Sampling and Analysis Plan, and all data was accepted.

### 3 KEY ACTIVITIES PLANNED FOR 2018

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#### 3.1 SUMMARY

The following key activities are planned for 2018:

- Continuation of the Detection Monitoring Program with semi-annual sampling scheduled for the 2nd and 4th quarters of 2018.
- Complete evaluation of analytical data from the downgradient wells, using both the eight samples required to be collected by October 17, 2017 and the first semi-annual detection monitoring sample taken in November 2017 to determine whether a SSI of Appendix III parameters over background concentrations has occurred.
- If an SSI is identified, potential alternate sources (*i.e.*, a source other than the CCR unit caused the SSI or that that SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality) will be evaluated. If an alternate source is demonstrated to be the cause of the SSI, a written demonstration will be completed within 90 days of SSI detection and included in the annual groundwater monitoring and corrective action report for 2018.
  - » If an alternate source(s) is not identified to be the cause of the SSI, the applicable requirements of 40 CFR §§ 257.94 through 257.98 (*e.g.*, assessment monitoring) as may apply in 2018 will be met, including associated recordkeeping/notifications required by 40 CFR §§ 257.105 through 257.108.

## REFERENCES

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Natural Resource Technology, an OBG Company, 2017a, Sampling and Analysis Plan, Kincaid Ash Pond, Kincaid Power Station, Kincaid, Illinois, Project No. 2285, Revision 0, October 17, 2017.

Natural Resource Technology, an OBG Company, 2017b, Statistical Analysis Plan, Kincaid Power Station, Kincaid Generation, L.L.C., October 17, 2017.

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**Tables**



**Kincaid**

January 12, 2018

**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| <b>Location ID</b> | <b>Sample Date</b> | <b>B, tot, mg/L</b> | <b>Ca, tot, mg/L</b> | <b>Cl, tot, mg/L</b> | <b>F, tot, mg/L</b> | <b>pH (field), STD</b> | <b>SO4, tot, mg/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------------------------|-----------------------|
| <b>MW-1</b>        | <b>12/15/2015</b>  | 0.2550              | 58.80                | 12.00                | 0.1900              | 6.570                  | 113.0                 |
|                    | <b>2/29/2016</b>   | 0.2030              | 63.90                | 11.00                | 0.1600              | 6.550                  | 117.0                 |
|                    | <b>5/16/2016</b>   | 0.2290              | 59.30                | 10.00                | 0.1600              | 6.880                  | 108.0                 |
|                    | <b>8/22/2016</b>   | 0.2690              | 61.10                | 11.00                | 0.1800              | 6.810                  | 117.0                 |
|                    | <b>11/15/2016</b>  | 0.2710              | 57.60                | 11.00                | 0.1800              | 7.030                  | 109.0                 |
|                    | <b>2/13/2017</b>   | 0.2280              | 57.50                | 10.00                | 0.1600              | 6.790                  | 105.0                 |
|                    | <b>5/18/2017</b>   | 0.2560              | 57.00                | 12.00                | 0.1600              | 6.650                  | 109.0                 |
|                    | <b>7/18/2017</b>   | 0.2730              | 55.60                | 11.00                | 0.1800              | 6.650                  | 101.0                 |
|                    | <b>11/6/2017</b>   | 0.2810              | 60.30                | 11.00                | 0.1800              | 6.770                  | 104.0                 |
| <b>MW-11</b>       | <b>12/15/2015</b>  | 1.790               | 130.0                | 45.00                | 0.5300              | 6.890                  | 135.0                 |
|                    | <b>2/29/2016</b>   | 1.650               | 135.0                | 45.00                | 0.4200              | 6.920                  | 130.0                 |
|                    | <b>5/16/2016</b>   | 1.460               | 125.0                | 41.00                | 0.4600              | 7.130                  | 130.0                 |
|                    | <b>8/22/2016</b>   | 1.750               | 121.0                | 43.00                | 0.5100              | 7.300                  | 130.0                 |
|                    | <b>11/15/2016</b>  | 1.670               | 123.0                | 42.00                | 0.5200              | 7.390                  | 115.0                 |
|                    | <b>2/13/2017</b>   | 1.380               | 117.0                | 42.00                | 0.4400              | 6.940                  | 123.0                 |
|                    | <b>5/18/2017</b>   | 1.610               | 121.0                | 42.00                | 0.4800              | 6.950                  | 121.0                 |
|                    | <b>7/18/2017</b>   | 1.790               | 133.0                | 42.00                | 0.5000              | 6.970                  | 106.0                 |
|                    | <b>11/6/2017</b>   | 1.950               | 125.0                | 39.00                | 0.4900              | 7.000                  | 114.0                 |

**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| Location ID | Sample Date | TDS, mg/L |
|-------------|-------------|-----------|
| MW-1        | 12/15/2015  | 314.0     |
|             | 2/29/2016   | 292.0     |
|             | 5/16/2016   | 336.0     |
|             | 8/22/2016   | 358.0     |
|             | 11/15/2016  | 390.0     |
|             | 2/13/2017   | 326.0     |
|             | 5/18/2017   | 370.0     |
|             | 7/18/2017   | 334.0     |
|             | 11/6/2017   | 340.0     |
|             |             |           |
| MW-11       | 12/15/2015  | 660.0     |
|             | 2/29/2016   | 624.0     |
|             | 5/16/2016   | 670.0     |
|             | 8/22/2016   | 664.0     |
|             | 11/15/2016  | 678.0     |
|             | 2/13/2017   | 660.0     |
|             | 5/18/2017   | 670.0     |
|             | 7/18/2017   | 664.0     |
|             | 11/6/2017   | 646.0     |
|             |             |           |

**Kincaid**

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**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| <b>Location ID</b> | <b>Sample Date</b> | <b>B, tot, mg/L</b> | <b>Ca, tot, mg/L</b> | <b>Cl, tot, mg/L</b> | <b>F, tot, mg/L</b> | <b>pH (field), STD</b> | <b>SO4, tot, mg/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------------------------|-----------------------|
| <b>MW-12</b>       | <b>12/15/2015</b>  | 2.100               | 197.0                | 49.00                | 0.2200              | 6.900                  | 326.0                 |
|                    | <b>2/29/2016</b>   | 2.640               | 220.0                | 39.00                | 0.1800              | 6.750                  | 390.0                 |
|                    | <b>5/16/2016</b>   | 2.480               | 205.0                | 44.00                | 0.1800              | 6.950                  | 379.0                 |
|                    | <b>8/22/2016</b>   | 2.530               | 198.0                | 44.00                | 0.1900              | 7.240                  | 398.0                 |
|                    | <b>11/15/2016</b>  | 2.430               | 200.0                | 42.00                | 0.2100              | 7.220                  | 330.0                 |
|                    | <b>2/13/2017</b>   | 3.030               | 199.0                | 41.00                | 0.1700              | 6.670                  | 390.0                 |
|                    | <b>5/18/2017</b>   | 2.510               | 199.0                | 33.00                | 0.1800              | 6.720                  | 406.0                 |
|                    | <b>7/18/2017</b>   | 3.550               | 235.0                | 39.00                | 0.1800              | 6.870                  | 383.0                 |
|                    | <b>11/6/2017</b>   | 2.990               | 212.0                | 38.00                | 0.1800              | 7.090                  | 388.0                 |
| <b>MW-2</b>        | <b>12/15/2015</b>  | 0.1100              | 105.0                | 16.00                | 0.4700              | 7.140                  | 171.0                 |
|                    | <b>2/29/2016</b>   | 0.08730             | 104.0                | 17.00                | 0.4300              | 7.170                  | 143.0                 |
|                    | <b>5/16/2016</b>   | 0.08920             | 101.0                | 15.00                | 0.4500              | 7.400                  | 159.0                 |
|                    | <b>8/22/2016</b>   | 0.08080             | 97.30                | 14.00                | 0.4700              | 7.440                  | 169.0                 |
|                    | <b>11/15/2016</b>  | 0.1020              | 101.0                | 13.00                | 0.4700              | 7.530                  | 161.0                 |
|                    | <b>2/13/2017</b>   | 0.1010              | 97.50                | 14.00                | 0.4400              | 7.200                  | 173.0                 |
|                    | <b>5/18/2017</b>   | 0.1060              | 104.0                | 14.00                | 0.4300              | 7.190                  | 178.0                 |
|                    | <b>7/18/2017</b>   | 0.1110              | 99.20                | 15.00                | 0.4500              | 7.300                  | 159.0                 |
|                    | <b>11/6/2017</b>   | 0.08480             | 102.0                | 14.00                | 0.4400              | 7.130                  | 159.0                 |

**Kincaid**

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**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| Location ID | Sample Date | TDS, mg/L |
|-------------|-------------|-----------|
| MW-12       | 12/15/2015  | 1070.     |
|             | 2/29/2016   | 1140.     |
|             | 5/16/2016   | 1140.     |
|             | 8/22/2016   | 1160.     |
|             | 11/15/2016  | 1140.     |
|             | 2/13/2017   | 1180.     |
|             | 5/18/2017   | 1170.     |
|             | 7/18/2017   | 1170.     |
|             | 11/6/2017   | 1110.     |
|             |             |           |
| MW-2        | 12/15/2015  | 566.0     |
|             | 2/29/2016   | 416.0     |
|             | 5/16/2016   | 534.0     |
|             | 8/22/2016   | 566.0     |
|             | 11/15/2016  | 576.0     |
|             | 2/13/2017   | 520.0     |
|             | 5/18/2017   | 596.0     |
|             | 7/18/2017   | 512.0     |
|             | 11/6/2017   | 506.0     |
|             |             |           |

**Kincaid**

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**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| <b>Location ID</b> | <b>Sample Date</b> | <b>B, tot, mg/L</b> | <b>Ca, tot, mg/L</b> | <b>Cl, tot, mg/L</b> | <b>F, tot, mg/L</b> | <b>pH (field), STD</b> | <b>SO4, tot, mg/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------------------------|-----------------------|
| <b>MW-5</b>        | <b>12/15/2015</b>  | 0.5730              | 137.0                | 41.00                | 0.1700              | 6.630                  | <10.00                |
|                    | <b>2/29/2016</b>   | 0.5550              | 148.0                | 39.00                | 0.1500              | 6.630                  | <10.00                |
|                    | <b>5/16/2016</b>   | 0.5880              | 133.0                | 38.00                | 0.1500              | 7.030                  | 11.00                 |
|                    | <b>8/22/2016</b>   | 0.5400              | 135.0                | 41.00                | 0.1600              | 7.180                  | 11.00                 |
|                    | <b>11/15/2016</b>  | 0.5070              | 133.0                | 41.00                | 0.1500              | 7.200                  | <10.00                |
|                    | <b>2/13/2017</b>   | 0.4730              | 130.0                | 39.00                | 0.1500              | 6.700                  | <10.00                |
|                    | <b>5/18/2017</b>   | 0.5710              | 136.0                | 43.00                | 0.1800              | 6.650                  | 10.00                 |
|                    | <b>7/18/2017</b>   | 0.5740              | 142.0                | 39.00                | 0.1600              | 6.790                  | <10.00                |
|                    | <b>11/6/2017</b>   | 0.5150              | 141.0                | 40.00                | 0.1500              | 7.080                  | <10.00                |
| <b>MW-6</b>        | <b>12/15/2015</b>  | 1.580               | 113.0                | 7.000                | 0.1800              | 6.490                  | 287.0                 |
|                    | <b>2/29/2016</b>   | 0.8370              | 101.0                | 5.000                | 0.1700              | 6.670                  | 164.0                 |
|                    | <b>5/16/2016</b>   | 0.8740              | 98.60                | 5.000                | 0.1900              | 6.990                  | 167.0                 |
|                    | <b>8/22/2016</b>   | 1.160               | 116.0                | <5.000               | 0.2000              | 6.490                  | 187.0                 |
|                    | <b>11/15/2016</b>  | 1.540               | 113.0                | 7.000                | 0.1700              | 6.800                  | 275.0                 |
|                    | <b>2/13/2017</b>   | 1.040               | 100.0                | <5.000               | 0.1600              | 6.640                  | 246.0                 |
|                    | <b>5/18/2017</b>   | 1.020               | 96.00                | <5.000               | 0.1900              | 6.620                  | 153.0                 |
|                    | <b>7/18/2017</b>   | 1.480               | 105.0                | <5.000               | 0.1700              | 6.490                  | 238.0                 |
|                    | <b>11/6/2017</b>   | 1.910               | 139.0                | 11.00                | 0.1600              | 6.740                  | 335.0                 |

**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| Location ID | Sample Date | TDS, mg/L |
|-------------|-------------|-----------|
| MW-5        | 12/15/2015  | 620.0     |
|             | 2/29/2016   | 564.0     |
|             | 5/16/2016   | 646.0     |
|             | 8/22/2016   | 660.0     |
|             | 11/15/2016  | 698.0     |
|             | 2/13/2017   | 624.0     |
|             | 5/18/2017   | 680.0     |
|             | 7/18/2017   | 660.0     |
|             | 11/6/2017   | 652.0     |
|             |             |           |
| MW-6        | 12/15/2015  | 676.0     |
|             | 2/29/2016   | 358.0     |
|             | 5/16/2016   | 484.0     |
|             | 8/22/2016   | 588.0     |
|             | 11/15/2016  | 726.0     |
|             | 2/13/2017   | 624.0     |
|             | 5/18/2017   | 530.0     |
|             | 7/18/2017   | 622.0     |
|             | 11/6/2017   | 780.0     |
|             |             |           |

**Kincaid**

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**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| <b>Location ID</b> | <b>Sample Date</b> | <b>B, tot, mg/L</b> | <b>Ca, tot, mg/L</b> | <b>Cl, tot, mg/L</b> | <b>F, tot, mg/L</b> | <b>pH (field), STD</b> | <b>SO4, tot, mg/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|------------------------|-----------------------|
| <b>MW-7</b>        | <b>12/15/2015</b>  | 0.1780              | 145.0                | <5.000               | 0.2500              | 7.090                  | 439.0                 |
|                    | <b>2/29/2016</b>   | 0.1030              | 107.0                | <5.000               | 0.2200              | 7.290                  | 249.0                 |
|                    | <b>5/16/2016</b>   | 0.2510              | 105.0                | <5.000               | 0.2400              | 7.270                  | 170.0                 |
|                    | <b>8/22/2016</b>   | 0.2870              | 115.0                | <5.000               | 0.2700              | 6.860                  | 177.0                 |
|                    | <b>11/15/2016</b>  | 0.6480              | 128.0                | <5.000               | 0.3200              | 7.310                  | 247.0                 |
|                    | <b>2/13/2017</b>   | 0.1390              | 149.0                | <5.000               | 0.2300              | 7.100                  | 395.0                 |
|                    | <b>5/19/2017</b>   | 0.2350              | 105.0                | <5.000               | 0.2600              | 7.010                  | 158.0                 |
|                    | <b>7/18/2017</b>   | 0.3600              | 120.0                | <5.000               | 0.3100              | 7.100                  | 201.0                 |
|                    | <b>11/7/2017</b>   | 0.4620              | 127.0                | <5.000               | 0.3200              | 6.960                  | 247.0                 |
| <b>MW-8</b>        | <b>12/15/2015</b>  | 0.9650              | 167.0                | 27.00                | 0.2200              | 6.620                  | 316.0                 |
|                    | <b>2/29/2016</b>   | 1.020               | 180.0                | 25.00                | 0.1900              | 6.640                  | 336.0                 |
|                    | <b>5/16/2016</b>   | 0.9970              | 162.0                | 24.00                | 0.2000              | 6.800                  | 325.0                 |
|                    | <b>8/22/2016</b>   | 0.9540              | 159.0                | 25.00                | 0.2000              | 6.540                  | 348.0                 |
|                    | <b>11/15/2016</b>  | 1.510               | 162.0                | 25.00                | 0.2000              | 7.040                  | 327.0                 |
|                    | <b>2/13/2017</b>   | 0.9000              | 157.0                | 25.00                | 0.2100              | 6.600                  | 324.0                 |
|                    | <b>5/19/2017</b>   | 1.090               | 159.0                | 26.00                | 0.2000              | 6.610                  | 311.0                 |
|                    | <b>7/18/2017</b>   | 1.170               | 169.0                | 25.00                | 0.2000              | 6.760                  | 273.0                 |
|                    | <b>11/7/2017</b>   | 1.090               | 164.0                | 24.00                | 0.2000              | 6.880                  | 285.0                 |

**Kincaid**

January 12, 2018

**Table 1. Kincaid Ash Pond: Appendix III Analytical Results**

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| Location ID | Sample Date | TDS, mg/L |
|-------------|-------------|-----------|
| MW-7        | 12/15/2015  | 766.0     |
|             | 2/29/2016   | 430.0     |
|             | 5/16/2016   | 498.0     |
|             | 8/22/2016   | 610.0     |
|             | 11/15/2016  | 740.0     |
|             | 2/13/2017   | 816.0     |
|             | 5/19/2017   | 504.0     |
|             | 7/18/2017   | 646.0     |
|             | 11/7/2017   | 674.0     |
|             |             |           |
| MW-8        | 12/15/2015  | 866.0     |
|             | 2/29/2016   | 862.0     |
|             | 5/16/2016   | 932.0     |
|             | 8/22/2016   | 952.0     |
|             | 11/15/2016  | 986.0     |
|             | 2/13/2017   | 936.0     |
|             | 5/19/2017   | 940.0     |
|             | 7/18/2017   | 898.0     |
|             | 11/7/2017   | 872.0     |
|             |             |           |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>As, tot, mg/L</b> | <b>Ba, tot, mg/L</b> | <b>Be, tot, mg/L</b> | <b>Cd,tot, mg/L</b> | <b>Co, tot, mg/L</b> | <b>Cr, tot, mg/L</b> |
|--------------------|--------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| <b>MW-1</b>        | <b>12/15/2015</b>  | <0.001000            | 0.04580              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.04480              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/16/2016</b>   | <0.001000            | 0.04460              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.04650              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | <0.001000            | 0.04710              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.04370              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.04650              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.04430              | <0.001000            | <0.001000           | <0.001000            | 0.001800             |
| <b>MW-11</b>       | <b>12/15/2015</b>  | 0.002800             | 0.1570               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/29/2016</b>   | 0.002800             | 0.1470               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/16/2016</b>   | 0.001300             | 0.1390               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | 0.001500             | 0.1400               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | 0.001900             | 0.1500               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | 0.001200             | 0.1360               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.1340               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | 0.001600             | 0.1360               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
| <b>MW-12</b>       | <b>12/15/2015</b>  | <0.001000            | 0.1370               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.1130               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>F, tot, mg/L</b> | <b>Hg, tot, mg/L</b> | <b>Li, tot, mg/L</b> | <b>Mo, tot, mg/L</b> | <b>Pb, tot, mg/L</b> | <b>Ra-226,228, tot, pCi/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|
| <b>MW-1</b>        | <b>12/15/2015</b>  | 0.1900              | <0.0002000           | 0.001900             | <0.001000            | <0.001000            | 0.4700                        |
|                    | <b>2/29/2016</b>   | 0.1600              | <0.0002000           | 0.001700             | <0.001000            | <0.001000            | 0.5370                        |
|                    | <b>5/16/2016</b>   | 0.1600              | <0.0002000           | 0.001600             | <0.001000            | <0.001000            | 0.3400                        |
|                    | <b>8/22/2016</b>   | 0.1800              | <0.0002000           | 0.001600             | <0.001000            | <0.001000            | 1.030                         |
|                    | <b>11/15/2016</b>  | 0.1800              | <0.0002000           | 0.002100             | <0.001000            | <0.001000            | 0.1600                        |
|                    | <b>2/13/2017</b>   | 0.1600              | <0.0002000           | 0.001500             | <0.001000            | <0.001000            | 0.5800                        |
|                    | <b>5/18/2017</b>   | 0.1600              | <0.0002000           | 0.001700             | <0.001000            | <0.001000            | 0.4100                        |
|                    | <b>7/18/2017</b>   | 0.1800              | <0.0002000           | 0.002000             | <0.001000            | <0.001000            | 1.350                         |
| <b>MW-11</b>       | <b>12/15/2015</b>  | 0.5300              | <0.0002000           | 0.003000             | 0.002600             | <0.001000            | 0.1800                        |
|                    | <b>2/29/2016</b>   | 0.4200              | <0.0002000           | 0.002000             | 0.002600             | <0.001000            | 0.6400                        |
|                    | <b>5/16/2016</b>   | 0.4600              | <0.0002000           | 0.002100             | 0.002500             | <0.001000            | 0.8600                        |
|                    | <b>8/22/2016</b>   | 0.5100              | <0.0002000           | 0.002200             | 0.002000             | <0.001000            | 0.5600                        |
|                    | <b>11/15/2016</b>  | 0.5200              | <0.0002000           | 0.002600             | 0.002500             | <0.001000            | 1.540                         |
|                    | <b>2/13/2017</b>   | 0.4400              | <0.0002000           | 0.001900             | 0.002300             | <0.001000            | 0.3900                        |
|                    | <b>5/18/2017</b>   | 0.4800              | <0.0002000           | 0.002900             | 0.002300             | <0.001000            | 1.020                         |
|                    | <b>7/18/2017</b>   | 0.5000              | <0.0002000           | 0.002500             | 0.002200             | <0.001000            | 1.220                         |
| <b>MW-12</b>       | <b>12/15/2015</b>  | 0.2200              | <0.0002000           | 0.009300             | 0.001300             | <0.001000            | 0.1300                        |
|                    | <b>2/29/2016</b>   | 0.1800              | <0.0002000           | 0.008200             | <0.001000            | <0.001000            | 0.1900                        |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| Location ID | Sample Date | Sb, tot, mg/L | Se, tot, mg/L | Tl, tot, mg/L |
|-------------|-------------|---------------|---------------|---------------|
| MW-1        | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
| MW-11       | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | 0.001200      | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | 0.001500      | <0.001000     |
|             | 7/18/2017   | <0.001000     | 0.002100      | <0.001000     |
| MW-12       | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>As, tot, mg/L</b> | <b>Ba, tot, mg/L</b> | <b>Be, tot, mg/L</b> | <b>Cd,tot, mg/L</b> | <b>Co, tot, mg/L</b> | <b>Cr, tot, mg/L</b> |
|--------------------|--------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| <b>MW-12</b>       | <b>5/16/2016</b>   | <0.001000            | 0.1190               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.1150               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | <0.001000            | 0.1120               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.09410              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.1060               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.09530              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
| <b>MW-2</b>        | <b>12/15/2015</b>  | 0.002200             | 0.1270               | <0.001000            | <0.001000           | 0.001200             | 0.002500             |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.1110               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/16/2016</b>   | 0.001100             | 0.1130               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.1140               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | 0.001100             | 0.1130               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.1120               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.1120               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | 0.001500             | 0.1120               | <0.001000            | <0.001000           | <0.001000            | 0.001900             |
| <b>MW-5</b>        | <b>12/15/2015</b>  | <0.001000            | 0.1410               | <0.001000            | <0.001000           | 0.001300             | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.1430               | <0.001000            | <0.001000           | 0.001000             | <0.001000            |
|                    | <b>5/16/2016</b>   | <0.001000            | 0.1410               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.1370               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>F, tot, mg/L</b> | <b>Hg, tot, mg/L</b> | <b>Li, tot, mg/L</b> | <b>Mo, tot, mg/L</b> | <b>Pb, tot, mg/L</b> | <b>Ra-226,228, tot, pCi/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|
| <b>MW-12</b>       | <b>5/16/2016</b>   | 0.1800              | <0.0002000           | 0.008800             | <0.001000            | <0.001000            | 1.120                         |
|                    | <b>8/22/2016</b>   | 0.1900              | <0.0002000           | 0.01020              | <0.001000            | <0.001000            | 1.510                         |
|                    | <b>11/15/2016</b>  | 0.2100              | <0.0002000           | 0.01060              | 0.001100             | <0.001000            | 0.5600                        |
|                    | <b>2/13/2017</b>   | 0.1700              | <0.0002000           | 0.008800             | <0.001000            | <0.001000            | 0.0                           |
|                    | <b>5/18/2017</b>   | 0.1800              | <0.0002000           | 0.009000             | <0.001000            | <0.001000            | 0.6400                        |
|                    | <b>7/18/2017</b>   | 0.1800              | <0.0002000           | 0.009700             | <0.001000            | <0.001000            | 2.650                         |
| <b>MW-2</b>        | <b>12/15/2015</b>  | 0.4700              | <0.0002000           | 0.006800             | 0.004000             | 0.001400             | 0.5800                        |
|                    | <b>2/29/2016</b>   | 0.4300              | <0.0002000           | 0.006300             | 0.005300             | <0.001000            | 0.1600                        |
|                    | <b>5/16/2016</b>   | 0.4500              | <0.0002000           | 0.005600             | 0.004300             | <0.001000            | 0.8700                        |
|                    | <b>8/22/2016</b>   | 0.4700              | <0.0002000           | 0.005500             | 0.003900             | <0.001000            | 1.260                         |
|                    | <b>11/15/2016</b>  | 0.4700              | <0.0002000           | 0.005700             | 0.004000             | <0.001000            | 0.01000                       |
|                    | <b>2/13/2017</b>   | 0.4400              | <0.0002000           | 0.005800             | 0.004300             | <0.001000            | 0.0                           |
|                    | <b>5/18/2017</b>   | 0.4300              | <0.0002000           | 0.005100             | 0.003700             | <0.001000            | 1.160                         |
|                    | <b>7/18/2017</b>   | 0.4500              | <0.0002000           | 0.005500             | 0.004200             | <0.001000            | 1.720                         |
| <b>MW-5</b>        | <b>12/15/2015</b>  | 0.1700              | <0.0002000           | 0.002900             | <0.001000            | <0.001000            | 0.7800                        |
|                    | <b>2/29/2016</b>   | 0.1500              | <0.0002000           | 0.003000             | <0.001000            | <0.001000            | 0.3500                        |
|                    | <b>5/16/2016</b>   | 0.1500              | <0.0002000           | 0.002900             | <0.001000            | <0.001000            | 0.8900                        |
|                    | <b>8/22/2016</b>   | 0.1600              | <0.0002000           | 0.002700             | <0.001000            | <0.001000            | 1.110                         |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| Location ID | Sample Date | Sb, tot, mg/L | Se, tot, mg/L | Tl, tot, mg/L |
|-------------|-------------|---------------|---------------|---------------|
| MW-12       | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             |             |               |               |               |
| MW-2        | 12/15/2015  | <0.001000     | 0.004800      | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | 0.001600      | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
| MW-5        | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>As, tot, mg/L</b> | <b>Ba, tot, mg/L</b> | <b>Be, tot, mg/L</b> | <b>Cd,tot, mg/L</b> | <b>Co, tot, mg/L</b> | <b>Cr, tot, mg/L</b> |
|--------------------|--------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| <b>MW-5</b>        | <b>11/15/2016</b>  | <0.001000            | 0.1390               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.1400               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.1450               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.1430               | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
| <b>MW-6</b>        | <b>12/15/2015</b>  | <0.001000            | 0.03160              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.02740              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/16/2016</b>   | <0.001000            | 0.02980              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.03680              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | <0.001000            | 0.03430              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.02860              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/18/2017</b>   | <0.001000            | 0.02920              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.05970              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
| <b>MW-7</b>        | <b>12/15/2015</b>  | <0.001000            | 0.08480              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.05150              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>5/16/2016</b>   | <0.001000            | 0.05720              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>8/22/2016</b>   | 0.001100             | 0.06560              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>11/15/2016</b>  | 0.001500             | 0.06290              | <0.001000            | <0.001000           | <0.001000            | 0.002400             |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.06560              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>F, tot, mg/L</b> | <b>Hg, tot, mg/L</b> | <b>Li, tot, mg/L</b> | <b>Mo, tot, mg/L</b> | <b>Pb, tot, mg/L</b> | <b>Ra-226,228, tot, pCi/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|
| <b>MW-5</b>        | <b>11/15/2016</b>  | 0.1500              | <0.0002000           | 0.002700             | <0.001000            | <0.001000            | 1.080                         |
|                    | <b>2/13/2017</b>   | 0.1500              | <0.0002000           | 0.002900             | <0.001000            | <0.001000            | 0.3400                        |
|                    | <b>5/18/2017</b>   | 0.1800              | <0.0002000           | 0.003100             | <0.001000            | <0.001000            | 0.9500                        |
|                    | <b>7/18/2017</b>   | 0.1600              | <0.0002000           | 0.002900             | <0.001000            | 0.001300             | 2.410                         |
| <b>MW-6</b>        | <b>12/15/2015</b>  | 0.1800              | <0.0002000           | 0.001200             | <0.001000            | <0.001000            | 0.4800                        |
|                    | <b>2/29/2016</b>   | 0.1700              | <0.0002000           | <0.001000            | <0.001000            | <0.001000            | 0.01000                       |
|                    | <b>5/16/2016</b>   | 0.1900              | <0.0002000           | <0.001000            | <0.001000            | <0.001000            | 0.9100                        |
|                    | <b>8/22/2016</b>   | 0.2000              | <0.0002000           | 0.001200             | <0.001000            | <0.001000            | 1.080                         |
|                    | <b>11/15/2016</b>  | 0.1700              | <0.0002000           | 0.001200             | <0.001000            | <0.001000            | 0.2900                        |
|                    | <b>2/13/2017</b>   | 0.1600              | <0.0002000           | <0.001000            | <0.001000            | <0.001000            | 0.3500                        |
|                    | <b>5/18/2017</b>   | 0.1900              | <0.0002000           | <0.001000            | <0.001000            | <0.001000            | 0.2700                        |
|                    | <b>7/18/2017</b>   | 0.1700              | <0.0002000           | <0.001000            | <0.001000            | <0.001000            | 3.140                         |
| <b>MW-7</b>        | <b>12/15/2015</b>  | 0.2500              | <0.0002000           | 0.003400             | 0.003300             | <0.001000            | 1.290                         |
|                    | <b>2/29/2016</b>   | 0.2200              | <0.0002000           | 0.002300             | 0.003300             | <0.001000            | 0.3200                        |
|                    | <b>5/16/2016</b>   | 0.2400              | <0.0002000           | 0.003000             | 0.002700             | <0.001000            | 0.9900                        |
|                    | <b>8/22/2016</b>   | 0.2700              | <0.0002000           | 0.004800             | 0.003700             | <0.001000            | 1.740                         |
|                    | <b>11/15/2016</b>  | 0.3200              | <0.0002000           | 0.004000             | 0.003200             | <0.001000            | 2.160                         |
|                    | <b>2/13/2017</b>   | 0.2300              | <0.0002000           | 0.003100             | 0.002100             | <0.001000            | 0.8100                        |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| Location ID | Sample Date | Sb, tot, mg/L | Se, tot, mg/L | Tl, tot, mg/L |
|-------------|-------------|---------------|---------------|---------------|
| MW-5        | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
| MW-6        | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/18/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
| MW-7        | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>As, tot, mg/L</b> | <b>Ba, tot, mg/L</b> | <b>Be, tot, mg/L</b> | <b>Cd,tot, mg/L</b> | <b>Co, tot, mg/L</b> | <b>Cr, tot, mg/L</b> |
|--------------------|--------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| <b>MW-7</b>        | <b>5/19/2017</b>   | <0.001000            | 0.05050              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.05160              | <0.001000            | <0.001000           | <0.001000            | <0.001000            |
| <b>MW-8</b>        | <b>12/15/2015</b>  | <0.001000            | 0.03640              | <0.001000            | <0.001000           | 0.002000             | <0.001000            |
|                    | <b>2/29/2016</b>   | <0.001000            | 0.03290              | <0.001000            | <0.001000           | 0.001300             | <0.001000            |
|                    | <b>5/16/2016</b>   | <0.001000            | 0.03280              | <0.001000            | <0.001000           | 0.001400             | <0.001000            |
|                    | <b>8/22/2016</b>   | <0.001000            | 0.03350              | <0.001000            | <0.001000           | 0.001600             | <0.001000            |
|                    | <b>11/15/2016</b>  | <0.001000            | 0.03590              | <0.001000            | <0.001000           | 0.001900             | <0.001000            |
|                    | <b>2/13/2017</b>   | <0.001000            | 0.02960              | <0.001000            | <0.001000           | 0.001300             | <0.001000            |
|                    | <b>5/19/2017</b>   | <0.001000            | 0.03220              | <0.001000            | <0.001000           | 0.001300             | <0.001000            |
|                    | <b>7/18/2017</b>   | <0.001000            | 0.03260              | <0.001000            | <0.001000           | 0.001600             | <0.001000            |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

3:11:59 PM

| <b>Location ID</b> | <b>Sample Date</b> | <b>F, tot, mg/L</b> | <b>Hg, tot, mg/L</b> | <b>Li, tot, mg/L</b> | <b>Mo, tot, mg/L</b> | <b>Pb, tot, mg/L</b> | <b>Ra-226,228, tot, pCi/L</b> |
|--------------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|-------------------------------|
| <b>MW-7</b>        | <b>5/19/2017</b>   | 0.2600              | <0.0002000           | 0.003300             | 0.002800             | <0.001000            | 0.6400                        |
|                    | <b>7/18/2017</b>   | 0.3100              | <0.0002000           | 0.002900             | 0.003300             | <0.001000            | 1.760                         |
| <b>MW-8</b>        | <b>12/15/2015</b>  | 0.2200              | <0.0002000           | 0.001900             | <0.001000            | <0.001000            | 2.080                         |
|                    | <b>2/29/2016</b>   | 0.1900              | <0.0002000           | 0.001900             | <0.001000            | <0.001000            | 0.1500                        |
|                    | <b>5/16/2016</b>   | 0.2000              | <0.0002000           | 0.002000             | <0.001000            | <0.001000            | 0.7000                        |
|                    | <b>8/22/2016</b>   | 0.2000              | <0.0002000           | 0.001600             | <0.001000            | <0.001000            | 2.110                         |
|                    | <b>11/15/2016</b>  | 0.2000              | <0.0002000           | 0.002200             | <0.001000            | <0.001000            | 0.0                           |
|                    | <b>2/13/2017</b>   | 0.2100              | <0.0002000           | 0.002000             | <0.001000            | <0.001000            | 0.3100                        |
|                    | <b>5/19/2017</b>   | 0.2000              | <0.0002000           | 0.002000             | <0.001000            | <0.001000            | 0.6600                        |
|                    | <b>7/18/2017</b>   | 0.2000              | <0.0002000           | 0.002100             | <0.001000            | <0.001000            | 2.320                         |

**Kincaid**

January 12, 2018

**Table 2. Kincaid Ash Pond: Appendix IV Analytical Results**

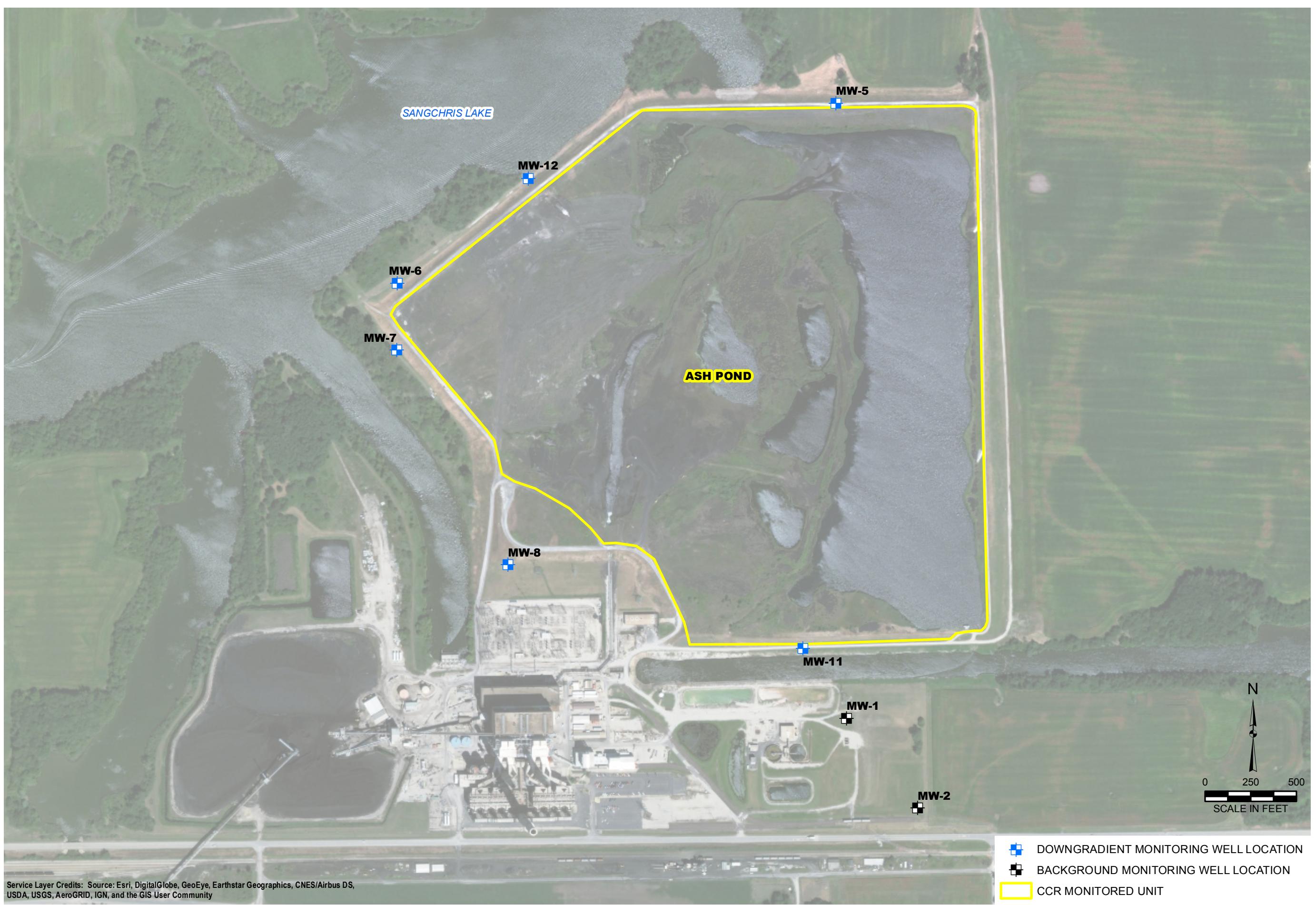
3:11:59 PM

| Location ID | Sample Date | Sb, tot, mg/L | Se, tot, mg/L | Tl, tot, mg/L |
|-------------|-------------|---------------|---------------|---------------|
| MW-7        | 5/19/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |
| MW-8        | 12/15/2015  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/29/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/16/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 8/22/2016   | <0.001000     | <0.001000     | <0.001000     |
|             | 11/15/2016  | <0.001000     | <0.001000     | <0.001000     |
|             | 2/13/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 5/19/2017   | <0.001000     | <0.001000     | <0.001000     |
|             | 7/18/2017   | <0.001000     | <0.001000     | <0.001000     |

KINCAID ASH POND  
2017 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

**Figures**





GROUNDWATER SAMPLING WELL LOCATION MAP  
KINCAID ASH POND  
UNIT ID: 141

2017 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT  
DYNEGY CCR RULE GROUNDWATER MONITORING  
KINCAID POWER STATION  
KINCAID, ILLINOIS

DRAWN BY/DATE:  
SDS 12/11/17  
REVIEWED BY/DATE:  
KLT 12/11/17  
APPROVED BY/DATE:  
SJC 1/24/18

PROJECT NO: 67720  
FIGURE NO: 1



**OBG**

THERE'S A WAY

