

DATA SUMMARY POSTING

Station: Midwest Generation Powerton Generating Station

Regulated Unit(s): Former Ash Basin (IEPA ID No. W1798010008-05)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 2nd quarter 2021 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

No background statistics or proposed Groundwater Protection Standards are included on these tables as they will be calculated and proposed as part of the Operating Permit submittals due by October 31, 2021. Upon Illinois Environmental Protection Agency approval of the Operating Permit, the approved comparison values will be included for subsequent data comparisons/evaluations.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Former Ash Basin.

| Well | Date | Boron | Calcium | Chloride | Fluoride | pH | Sulfate | Total Dissolved | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Fluoride | Lead | Lithium | Mercury | Molybdenum | Radium 226 + 228 | Selenium | Thallium |
|------------------------|------------|-------|---------|----------|----------|------|---------|-----------------|----------|----------|---------|-----------|----------|----------|---------|----------|------------|----------|----------|------------|------------------|----------|-----------|
| MW-01 up-gradient | 11/16/2015 | 1.0 | 98 | 44 | 0.17 | 7.07 | 93 | 530 | < 0.003 | < 0.001 | 0.057 | ^ < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.17 | * < 0.0005 | < 0.01 | < 0.0002 | < 0.0050 | 0.744 | < 0.0025 | * < 0.002 |
| | 2/25/2016 | 0.2 | 110 | 42 | 0.16 | 7.23 | 54 | 460 | < 0.003 | 0.0025 | 0.053 | < 0.001 | < 0.0005 | < 0.005 | 0.0014 | 0.16 | 0.0019 | < 0.01 | < 0.0002 | < 0.005 | < 0.722 | 0.0029 | < 0.002 |
| | 5/20/2016 | 0.34 | 100 | 44 | 0.17 | 6.95 | 65 | 430 | < 0.003 | 0.0081 | 0.062 | < 0.001 | < 0.0005 | 0.007 | 0.0053 | 0.17 | 0.011 | < 0.01 | < 0.0002 | < 0.005 | < 0.953 | < 0.0025 | < 0.002 |
| | 8/17/2016 | 0.27 | 78 | 39 | 0.25 | 7.16 | 50 | 530 | < 0.003 | 0.0014 | 0.048 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.25 | 0.0014 | < 0.01 | < 0.0002 | 0.0057 | < 0.491 | < 0.0025 | < 0.002 |
| | 11/16/2016 | 0.18 | 97 | 39 | 0.21 | 7.22 | 32 | 500 | < 0.003 | 0.0051 | 0.056 | < 0.001 | < 0.0005 | < 0.005 | 0.0044 | 0.21 | 0.0082 | < 0.01 | < 0.0002 | 0.0059 | < 0.618 | < 0.0025 | < 0.002 |
| | 2/14/2017 | 0.18 | 120 | 55 | 0.17 | 7.30 | 60 | 550 | < 0.003 | 0.0041 | 0.056 | < 0.001 | < 0.0005 | < 0.005 | 0.0045 | 0.17 | 0.0076 | < 0.01 | < 0.0002 | 0.0056 | < 0.837 | < 0.0025 | < 0.002 |
| | 5/3/2017 | 0.19 | 86 | 66 | 0.16 | 7.41 | 45 | 460 | < 0.003 | 0.0015 | 0.045 | < 0.001 | < 0.0005 | < 0.005 | 0.0033 | 0.16 | 0.0067 | < 0.01 | < 0.0002 | < 0.005 | 0.574 | < 0.0025 | < 0.002 |
| | 6/21/2017 | 0.18 | 85 | 58 | 0.18 | 7.60 | 47 | 540 | < 0.003 | < 0.001 | 0.040 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.18 | < 0.0005 | < 0.01 | < 0.0002 | 0.0061 | < 0.418 | < 0.0025 | < 0.002 |
| | 8/25/2017 | 0.56 | 86 | 41 | 0.18 | 7.41 | 63 | 490 | < 0.003 | < 0.001 | 0.049 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.18 | < 0.0005 | < 0.01 | < 0.0002 | 0.0059 | 0.775 | < 0.0025 | < 0.002 |
| | 11/8/2017 | 0.57 | 130 | 38 | 0.12 | 6.69 | 61 | 640 | < 0.003 | < 0.001 | 0.083 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.12 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.343 | < 0.0025 | < 0.002 |
| | 5/17/2018 | 0.15 | 88 | 50 | 0.12 | 6.70 | 48 | 540 | < 0.003 | < 0.001 | 0.045 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.12 | 0.00068 | < 0.01 | < 0.0002 | < 0.005 | < 0.396 | < 0.0025 | < 0.002 |
| | 8/8/2018 | 0.14 | 86 | 48 | 0.13 | 6.84 | 43 | 430 | < 0.003 | < 0.001 | 0.051 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.13 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.579 | < 0.0025 | < 0.002 |
| | 4/30/2019 | 0.07 | 78 | 54 | 0.17 | 7.20 | 27 | 450 | < 0.003 | 0.0014 | 0.039 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.17 | 0.0017 | < 0.01 | < 0.0002 | < 0.005 | < 0.656 | < 0.0025 | < 0.002 |
| | 8/26/2019 | 0.57 | 100 | 39 | 0.13 | 7.15 | 71 | 550 | < 0.003 | < 0.001 | 0.053 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.13 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.802 | < 0.0025 | < 0.002 |
| | 2/24/2020 | 0.28 | 87 | 53 | 0.21 | 7.19 | 34 | 410 | < 0.003 | < 0.001 | 0.044 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.21 | 0.00057 | < 0.01 | < 0.0002 | < 0.005 | < 0.478 | < 0.0025 | < 0.002 |
| | 4/28/2020 | 0.33 | 110 | 46 | 0.19 | NA | 41 | 470 | NA | < 0.001 | 0.051 | NA | NA | < 0.005 | < 0.001 | 0.19 | < 0.0005 | NA | NA | < 0.005 | 0.628 | < 0.0025 | NA |
| 12/7/2020 | 0.59 | 100 | 54 | 0.25 | 7.22 | 55 | 640 | NA | < 0.001 | 0.058 | NA | NA | < 0.005 | < 0.001 | 0.25 | < 0.0005 | NA | NA | 0.0052 | < 0.542 | < 0.0025 | NA | |
| 5/11/2021 | 0.21 | 85 | 51 | 0.21 | 7.52 | 37 | 450 | < 0.003 | < 0.001 | 0.043 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.21 | < 0.0005 | < 0.01 | < 0.0002 | 0.01 | < 0.521 | < 0.0025 | < 0.002 | |
| MW-10 up-gradient | 6/22/2017 | 0.46 | 100 | 48 | 0.19 | 6.81 | 54 | 1.0 | < 0.003 | 0.0023 | 0.250 | < 0.001 | < 0.0005 | < 0.005 | 0.008 | 0.19 | 0.003 | < 0.01 | < 0.0002 | < 0.005 | 0.408 | 0.0042 | < 0.002 |
| | 8/24/2017 | 0.32 | 93 | 51 | 0.18 | 7.14 | 57 | 480 | < 0.003 | 0.0020 | 0.220 | < 0.001 | < 0.0005 | < 0.005 | 0.007 | 0.18 | 0.003 | < 0.01 | < 0.0002 | < 0.005 | 0.564 | 0.0044 | < 0.002 |
| | 11/9/2017 | 0.36 | 98 | 48 | 0.18 | 6.78 | 64 | 500 | < 0.003 | < 0.0010 | 0.220 | < 0.001 | < 0.0005 | < 0.005 | 0.004 | 0.18 | < 0.001 | < 0.01 | < 0.0002 | < 0.005 | 1.020 | 0.0034 | < 0.002 |
| | 5/16/2018 | 0.42 | 93 | 44 | 0.19 | 7.64 | 80 | 530 | < 0.003 | 0.0010 | 0.220 | < 0.001 | < 0.0005 | < 0.005 | 0.021 | 0.19 | 0.001 | < 0.01 | < 0.0002 | < 0.005 | 1.550 | 0.0050 | < 0.002 |
| | 8/8/2018 | 0.39 | 99 | 58 | 0.19 | 7.10 | 60 | 550 | < 0.003 | 0.0012 | 0.220 | < 0.001 | < 0.0005 | < 0.005 | 0.014 | 0.19 | 0.001 | < 0.01 | < 0.0002 | < 0.005 | < 0.551 | 0.0062 | < 0.002 |
| | 10/30/2018 | 0.34 | 110 | 49 | 0.22 | 7.65 | 49 | 510 | < 0.003 | 0.0110 | 0.410 | < 0.001 | 0.0008 | 0.024 | 0.047 | 0.22 | 0.023 | 0.02 | < 0.0002 | < 0.005 | 3.00 | 0.0046 | < 0.002 |
| | 2/26/2019 | 0.39 | 150 | 48 | 0.21 | 6.77 | 36 | 540 | < 0.003 | 0.0220 | 0.590 | < 0.005 | 0.0015 | 0.063 | 0.081 | 0.21 | 0.036 | 0.03 | < 0.0002 | 0.007 | 4.130 | 0.0041 | < 0.002 |
| | 5/1/2019 | 0.35 | 92 | 50 | 0.22 | 6.81 | 30 | 470 | < 0.003 | 0.0023 | 0.270 | < 0.001 | < 0.0005 | < 0.005 | 0.011 | 0.22 | 0.0028 | < 0.01 | < 0.0002 | < 0.005 | 1.330 | 0.0037 | < 0.002 |
| | 8/26/2019 | 0.30 | 84 | 48 | 0.19 | 7.09 | 30 | 410 | < 0.003 | 0.0017 | 0.190 | < 0.001 | < 0.001 | < 0.005 | 0.007 | 0.19 | 0.0016 | < 0.01 | < 0.0002 | < 0.005 | 1.540 | 0.0050 | < 0.002 |
| | 2/25/2020 | 1.40 | 110 | 45 | 0.23 | 6.82 | 59 | 500 | < 0.003 | 0.0033 | 0.280 | < 0.001 | < 0.0005 | 0.0086 | 0.011 | 0.23 | 0.0046 | < 0.01 | < 0.0002 | < 0.005 | 1.07 | 0.0058 | < 0.002 |
| | 4/28/2020 | 1.00 | 110 | 41 | 0.24 | 6.80 | 64 | 550 | NA | 0.0022 | 0.250 | NA | NA | < 0.005 | 0.0065 | 0.24 | 0.0017 | NA | NA | < 0.005 | 0.639 | 0.0054 | NA |
| | 12/8/2020 | 2.40 | 120 | 44 | 0.26 | 7.11 | 71 | 550 | NA | 0.0015 | 0.280 | NA | NA | < 0.005 | 0.0089 | 0.26 | 0.0023 | NA | NA | < 0.005 | 1.76 | 0.0031 | NA |
| 5/11/2021 | 0.64 | 100 | 52 | 0.24 | 7.01 | 59 | 540 | < 0.003 | 0.0011 | 0.260 | < 0.001 | < 0.001 | < 0.005 | 0.008 | 0.24 | 0.0009 | < 0.01 | < 0.0002 | < 0.005 | 1.42 | 0.0049 | < 0.002 | |
| MW-02 down-gradient | 6/20/2017 | 0.33 | 90 | 55 | 0.19 | 7.01 | 47 | 500 | < 0.003 | 0.0012 | 0.075 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.19 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.341 | < 0.0025 | < 0.002 |
| | 8/23/2017 | V | 86 | 49 | 0.19 | 7.40 | 61 | 440 | < 0.003 | < 0.001 | 0.062 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.19 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.833 | < 0.0025 | < 0.002 |
| | 11/7/2017 | 3.70 | 98 | 46 | 0.17 | 7.10 | 88 | 550 | < 0.003 | 0.0014 | 0.091 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.17 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.309 | 0.0027 | < 0.002 |
| | 5/15/2018 | 0.22 | 80 | 45 | 0.23 | 7.71 | 54 | 500 | < 0.003 | 0.0013 | 0.065 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.23 | < 0.0005 | < 0.01 | 0.0004 | < 0.005 | < 0.408 | < 0.0025 | < 0.002 |
| | 8/7/2018 | 1.50 | 89 | 54 | 0.15 | 7.09 | 51 | 530 | < 0.003 | 0.0016 | 0.067 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.15 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.622 | < 0.0025 | < 0.002 |
| | 10/30/2018 | 0.23 | 86 | 43 | 0.17 | 7.83 | 34 | 480 | < 0.003 | 0.0015 | 0.067 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.17 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.564 | < 0.0025 | < 0.002 |
| | 2/26/2019 | 0.07 | 69 | 49 | 0.16 | 7.82 | 23 | 400 | < 0.003 | 0.0026 | 0.041 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.16 | 0.0013 | < 0.01 | < 0.0002 | < 0.005 | < 0.425 | < 0.0025 | < 0.002 |
| | 4/30/2019 | 0.12 | 79 | 48 | 0.16 | 7.60 | 30 | 440 | < 0.003 | 0.0013 | 0.048 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.16 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.441 | < 0.0025 | < 0.002 |
| | 8/26/2019 | 0.51 | 86 | 50 | 0.18 | 7.13 | 32 | 400 | < 0.003 | 0.0011 | 0.065 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.18 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 1.180 | < 0.0025 | < 0.002 |
| | 2/24/2020 | 0.33 | 89 | 53 | 0.20 | 7.43 | 37 | 410 | < 0.003 | 0.0011 | 0.061 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.20 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.485 | < 0.0025 | < 0.002 |
| | 4/28/2020 | 0.33 | 90 | 50 | 0.20 | 7.32 | 41 | 430 | NA | 0.0016 | 0.06 | NA | NA | < 0.005 | < 0.001 | 0.20 | < 0.0005 | NA | NA | < 0.005 | < 0.54 | < 0.0025 | NA |
| 12/9/2020 | 0.66 | 100 | 41 | 0.15 | 7.78 | 64 | 430 | NA | < 0.001 | 0.076 | NA | NA | < 0.005 | < 0.001 | 0.15 | < 0.0005 | NA | NA | 0.0059 | < 0.471 | < 0.0025 | NA | |
| 5/11/2021 | 0.23 | 79 | 51 | 0.21 | 7.70 | 37 | 370 | < 0.003 | | | | | | | | | | | | | | | |

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Powerton Station, Pekin, IL. Former Ash Basin.

| Well | Date | Boron | Calcium | Chloride | Fluoride | pH | Sulfate | Total Dissolved | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Fluoride | Lead | Lithium | Mercury | Molybdenum | Radium 226 + 228 | Selenium | Thallium |
|----------------------------|------------|-------|---------|----------|----------|------|---------|-----------------|----------|---------|---------|-----------|----------|----------|---------|----------|----------|----------|----------|------------|------------------|----------|----------|
| MW-03 down- gradient | 6/20/2017 | 0.4 | 76 | 54 | 0.29 | 7.26 | 49 | 480 | < 0.003 | 0.0013 | 0.066 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.29 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.325 | < 0.0025 | < 0.002 |
| | 8/23/2017 | 0.40 | 79 | 52 | 0.28 | 7.44 | 52 | 430 | < 0.003 | 0.0010 | 0.066 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.28 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 1.200 | < 0.0025 | < 0.002 |
| | 11/7/2017 | 0.31 | 79 | 62 | 0.26 | 7.04 | 61 | 460 | < 0.003 | 0.0013 | 0.068 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.26 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.588 | < 0.0025 | < 0.002 |
| | 5/15/2018 | 0.35 | 87 | 66 | 0.27 | 7.53 | 77 | 520 | < 0.003 | 0.0010 | 0.059 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.23 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.489 | < 0.0025 | < 0.002 |
| | 8/7/2018 | 0.40 | 82 | 67 | 0.22 | 6.60 | 49 | 500 | < 0.003 | 0.0015 | 0.067 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.22 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.341 | < 0.0025 | < 0.002 |
| | 10/30/2018 | 0.20 | 74 | 44 | 0.25 | 7.84 | 26 | 400 | < 0.003 | 0.0014 | 0.056 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.25 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.354 | < 0.0025 | < 0.002 |
| | 2/26/2019 | 0.06 | 74 | 56 | 0.24 | 7.49 | 25 | 410 | < 0.003 | 0.0013 | 0.054 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.24 | 0.0007 | < 0.01 | < 0.0002 | < 0.005 | < 0.399 | < 0.0025 | < 0.002 |
| | 4/30/2019 | 0.28 | 74 | 49 | 0.22 | 7.17 | 38 | 390 | < 0.003 | < 0.001 | 0.060 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.22 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.668 | < 0.0025 | < 0.002 |
| | 8/26/2019 | 0.31 | 75 | 50 | 0.26 | 7.17 | 14 | 380 | < 0.003 | 0.0014 | 0.069 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.26 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.444 | < 0.0025 | < 0.002 |
| | 2/24/2020 | 0.33 | 87 | 53 | 0.22 | 7.10 | 65 | 470 | < 0.003 | < 0.001 | 0.066 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.22 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.400 | < 0.0025 | < 0.002 |
| | 4/28/2020 | 0.24 | 86 | 46 | 0.22 | 7.03 | 79 | 410 | NA | 0.0013 | 0.066 | NA | NA | < 0.005 | < 0.001 | 0.22 | < 0.0005 | NA | NA | < 0.005 | < 0.498 | 0.0036 | NA |
| | 12/9/2020 | 0.86 | 92 | 45 | 0.28 | 7.46 | 60 | 390 | NA | < 0.001 | 0.086 | NA | NA | < 0.005 | < 0.001 | 0.28 | < 0.0005 | NA | NA | < 0.005 | < 0.432 | < 0.0025 | NA |
| | 5/11/2021 | 0.22 | 75 | 49 | 0.21 | 7.33 | 38 | 390 | < 0.003 | < 0.001 | 0.070 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.21 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.519 | < 0.0025 | < 0.002 |
| MW-04 down- gradient | 6/20/2017 | 0.5 | 77 | 55 | 0.29 | 7.45 | 53 | 480 | < 0.003 | < 0.001 | 0.0025 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.29 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.343 | < 0.0025 | < 0.002 |
| | 8/28/2017 | V | 73 | 89 | 0.33 | 7.13 | 110 | 680 | < 0.003 | < 0.001 | 0.028 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.33 | < 0.0005 | < 0.01 | < 0.0002 | 0.013 | < 0.246 | < 0.0025 | < 0.002 |
| | 11/7/2017 | 0.60 | 110 | 94 | 0.24 | 6.80 | 130 | 650 | < 0.003 | < 0.001 | 0.051 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.24 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.332 | < 0.0025 | < 0.002 |
| | 5/15/2018 | 0.68 | 87 | 66 | 0.27 | 7.63 | 100 | 630 | < 0.003 | < 0.001 | 0.037 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.27 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.661 | < 0.0025 | < 0.002 |
| | 8/7/2018 | 0.79 | 84 | 71 | 0.32 | 6.72 | 49 | 510 | < 0.003 | 0.0011 | 0.031 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.32 | < 0.0005 | < 0.01 | < 0.0002 | 0.006 | < 0.334 | < 0.0025 | < 0.002 |
| | 10/30/2018 | 0.54 | 100 | 80 | 0.24 | 7.55 | 91 | 690 | < 0.003 | < 0.001 | 0.049 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.24 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.423 | < 0.0025 | < 0.002 |
| | 2/26/2019 | 0.38 | 79 | 55 | 0.25 | 7.18 | 52 | 490 | < 0.003 | 0.0013 | 0.033 | < 0.001 | < 0.0005 | < 0.005 | 0.001 | 0.25 | 0.0012 | < 0.01 | < 0.0002 | < 0.005 | 0.366 | < 0.0025 | < 0.002 |
| | 4/30/2019 | 0.36 | 74 | 48 | 0.25 | 7.08 | 35 | 380 | < 0.003 | < 0.001 | 0.026 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.25 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.684 | < 0.0025 | < 0.002 |
| | 8/26/2019 | 0.64 | 91 | 60 | 0.24 | 7.08 | 14 | 490 | < 0.003 | < 0.001 | 0.032 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.24 | < 0.0005 | < 0.01 | < 0.0002 | 0.008 | 1.090 | < 0.0025 | < 0.002 |
| | 2/24/2020 | 0.34 | 81 | 49 | 0.20 | 7.05 | 67 | 440 | < 0.003 | < 0.001 | 0.024 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.20 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.595 | < 0.0025 | < 0.002 |
| | 4/28/2020 | 0.55 | 76 | 52 | 0.27 | 7.03 | 47 | 380 | NA | < 0.001 | 0.025 | NA | NA | < 0.005 | < 0.001 | 0.27 | < 0.0005 | NA | NA | < 0.005 | < 0.465 | < 0.0025 | NA |
| | 12/9/2020 | 0.57 | 92 | 88 | 0.32 | 7.10 | 94 | 580 | NA | < 0.001 | 0.034 | NA | NA | < 0.005 | < 0.001 | 0.32 | < 0.0005 | NA | NA | 0.0076 | < 0.411 | < 0.0025 | NA |
| | 5/11/2021 | 0.61 | 77 | 44 | 0.33 | 7.22 | 76 | 410 | < 0.003 | < 0.001 | 0.025 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.33 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.533 | < 0.0025 | < 0.002 |
| MW-05 down- gradient | 5/17/2016 | 0.70 | 100 | 85 | 0.35 | 7.08 | 120 | 660 | < 0.003 | < 0.001 | 0.051 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.35 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.373 | < 0.0025 | < 0.002 |
| | 8/16/2016 | 0.69 | 110 | 97 | 0.30 | 6.85 | 150 | 830 | < 0.003 | < 0.001 | 0.060 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.30 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.452 | < 0.0025 | < 0.002 |
| | 11/15/2016 | 0.93 | 94 | 66 | 0.23 | 6.96 | 77 | 620 | < 0.003 | < 0.001 | 0.051 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.23 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | 0.449 | < 0.0025 | < 0.002 |
| | 2/14/2017 | 0.79 | 100 | 100 | 0.25 | 7.25 | 170 | 760 | < 0.003 | < 0.001 | 0.062 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.25 | 0.00091 | < 0.01 | < 0.0002 | < 0.005 | < 0.359 | < 0.0025 | < 0.002 |
| | 5/1/2017 | 0.70 | 100 | 92 | 0.28 | 7.60 | 170 | 710 | < 0.003 | < 0.001 | 0.059 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.28 | < 0.0005 | < 0.01 | < 0.0002 | 0.0066 | < 0.439 | < 0.0025 | < 0.002 |
| | 6/20/2017 | 0.64 | 89 | 63 | 0.28 | 7.32 | 78 | 550 | < 0.003 | < 0.001 | 0.048 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.28 | < 0.0005 | < 0.01 | < 0.0002 | 0.0061 | < 0.365 | < 0.0025 | < 0.002 |
| | 8/28/2017 | 0.62 | 110 | 120 | 0.33 | 7.05 | 210 | 870 | < 0.003 | < 0.001 | 0.064 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.33 | < 0.0005 | < 0.01 | < 0.0002 | 0.0085 | 0.381 | < 0.0025 | < 0.002 |
| | 11/7/2017 | 0.51 | 99 | 110 | 0.31 | 6.87 | 160 | 990 | < 0.003 | < 0.001 | 0.058 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.31 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.341 | < 0.0025 | < 0.002 |
| | 5/15/2018 | 0.61 | 130 | 89 | 0.29 | 7.70 | 210 | 910 | < 0.003 | < 0.001 | 0.062 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.29 | < 0.0005 | < 0.01 | < 0.0002 | < 0.005 | < 0.390 | < 0.0025 | < 0.002 |
| | 8/7/2018 | 0.49 | 110 | 120 | 0.32 | 6.56 | 180 | 890 | < 0.003 | < 0.001 | 0.054 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.32 | < 0.0005 | < 0.01 | < 0.0002 | 0.0069 | 0.523 | < 0.0025 | < 0.002 |
| | 4/30/2019 | 0.56 | 84 | 73 | 0.36 | 6.96 | 120 | 590 | < 0.003 | < 0.001 | 0.041 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.36 | < 0.0005 | < 0.01 | < 0.0002 | 0.0061 | < 0.709 | < 0.0025 | < 0.002 |
| | 8/26/2019 | 0.57 | 110 | 75 | 0.29 | 7.01 | 110 | 660 | < 0.003 | < 0.001 | 0.050 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.29 | < 0.0005 | < 0.01 | < 0.0002 | 0.0067 | 0.651 | < 0.0025 | < 0.002 |
| | 2/24/2020 | 0.54 | 110 | 70 | 0.36 | 6.90 | 120 | H 700 | < 0.003 | < 0.001 | 0.057 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.36 | < 0.0005 | < 0.01 | < 0.0002 | 0.0061 | 0.506 | < 0.0025 | < 0.002 |
| 4/28/2020 | 0.49 | 110 | 56 | 0.37 | 6.87 | 130 | 620 | NA | 0.001 | 0.052 | NA | NA | < 0.005 | < 0.001 | 0.37 | < 0.0005 | NA | NA | 0.0074 | 0.508 | < 0.0025 | NA | |
| 12/9/2020 | 0.53 | 98 | 78 | 0.31 | 6.91 | 110 | 670 | NA | < 0.001 | 0.05 | NA | NA | < 0.005 | < 0.001 | 0.31 | < 0.0005 | NA | NA | 0.0072 | 0.569 | < 0.0025 | NA | |
| 5/11/2021 | 0.5 | 83 | 52 | 0.38 | 7.20 | 100 | 530 | < 0.003 | < 0.001 | 0.04 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.38 | < 0.0005 | < 0.01 | < 0.0002 | 0.0062 | < 0.525 | < 0.0025 | < 0.002 | |

Notes: All units are in mg/l except pH is in standard units.

V- Serial dilution exceeds control limits.

H- Sample was prepped or analyzed beyond specified holding time

F1 - MS and/or MSD Recovery outside of limits.

* - LCS or LCSd is outside acceptance limits.

^ - Denotes instrument related QC exceeds the control limits

NA - Not Analyzed

Table 2. Groundwater Turbidity - Midwest Generation, LLC, Powerton Station, Pekin, IL. Former Ash Basin.

| Well | Date | Turbidity (NTU) |
|-------|-----------|-----------------|
| MW-01 | 2/23/2021 | 78.2 |
| | 4/9/2021 | 6.96 |
| | 5/10/2021 | 3.24 |
| | 6/2/2021 | 3.8 |
| | 6/28/2021 | 4.3 |
| MW-10 | 2/23/2021 | 257.7 |
| | 4/9/2021 | 54.91 |
| | 5/11/2021 | 24.74 |
| | 6/2/2021 | 6.02 |
| | 6/28/2021 | 14.11 |
| MW-02 | 2/22/2021 | 19.6 |
| | 4/8/2021 | 4.55 |
| | 5/11/2021 | 1.82 |
| | 6/2/2021 | 2.06 |
| | 6/28/2021 | 2.67 |
| MW-03 | 2/22/2021 | 8.20 |
| | 4/8/2021 | 4.0 |
| | 5/11/2021 | 2.68 |
| | 6/2/2021 | 3.63 |
| | 6/28/2021 | 3.32 |
| MW-04 | 2/22/2021 | 4.20 |
| | 4/8/2021 | 4.05 |
| | 5/11/2021 | 4.33 |
| | 6/2/2021 | 2.12 |
| | 6/28/2021 | 8.21 |
| MW-05 | 2/22/2021 | 1.72 |
| | 4/8/2021 | 4.0 |
| | 5/11/2021 | 1.82 |
| | 6/2/2021 | 1.88 |
| | 6/28/2021 | 3.49 |