

DATA SUMMARY POSTING

Station: Midwest Generation Joliet #29 Generating Station

Regulated Unit(s): Pond 2 (IEPA ID No. W1970450047-02)

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 4th quarter 2024 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. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Joliet Station #29, Joliet, IL.

| Well | Date | Boron | Calcium | Chloride | Fluoride | pH | Sulfate | Total Dissolved Solids | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Lead | Lithium | Mercury | Molybdenum | Radium 226 + 228 | Selenium | Thallium | |
|------------------------|-------------|-------|---------|----------|----------|------|---------|------------------------|-------------|----------|--------|-------------|-----------|----------|----------|--------------|---------|-----------|------------|------------------|----------|----------|----|
| MW-05 down-gradient | 10/28/2015 | 0.64 | 100 | 160 | 0.39 | 7.12 | 120 | 790 | < 0.003 | 0.0011 | 0.057 | ^< 0.001 | < 0.0005 | < 0.005 | 0.0013 | < 0.0005 | 0.018 | < 0.0002 | 0.0088 | 0.6231 | 0.0031 | < 0.002 | |
| | 2/10/2016 | 0.46 | 110 | 220 | 0.39 | 7.25 | 120 | 790 | < 0.003 | 0.0028 | 0.071 | < 0.001 | < 0.0005 | 0.0062 | 0.0013 | 0.0022 | < 0.02 | < 0.0002 | Fl 0.0053 | 1.09 | < 0.0025 | < 0.002 | |
| | 5/10/2016 | 0.8 | 150 | 220 | 0.46 | 6.88 | 290 | 950 | < 0.003 | 0.0023 | 0.075 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.0022 | 0.014 | < 0.0002 | 0.008 | < 0.40 | 0.019 | < 0.002 | |
| | 8/31/2016 | 1.0 | 140 | 99 | 0.56 | 6.81 | 260 | 820 | < 0.003 | < 0.001 | 0.07 | ^< 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | < 0.01 | < 0.0002 | 0.012 | < 0.42 | 0.02 | < 0.002 | |
| | 11/2/2016 | 0.41 | 98 | 130 | 0.37 | 7.26 | 100 | 700 | < 0.003 | 0.0022 | 0.056 | < 0.001 | < 0.0005 | 0.0051 | < 0.001 | 0.0017 | 0.015 | < 0.0002 | 0.0061 | 0.438 | < 0.0025 | < 0.002 | |
| | 2/6/2017 | 0.48 | 150 | 180 | 0.30 | 7.22 | 120 | 790 | < 0.003 | 0.0016 | 0.082 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.0016 | 0.021 | < 0.0002 | < 0.005 | 0.564 | 0.0029 | < 0.002 | |
| | 4/26/2017 | 0.67 | 110 | Fl 190 | 0.37 | 7.28 | 170 | 770 | < 0.003 | 0.0014 | 0.063 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.0008 | < 0.01 | < 0.0002 | 0.0066 | < 0.411 | 0.013 | < 0.002 | |
| | 6/14/2017 | 0.44 | 75 | 150 | 0.46 | 7.47 | 110 | 670 | < 0.003 | 0.0012 | 0.044 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.013 | < 0.0002 | 0.0076 | < 0.316 | 0.0029 | < 0.002 | |
| | 8/2/2017 | 0.28 | 83 | 170 | 0.35 | 7.30 | 99 | 770 | < 0.003 | < 0.001 | 0.054 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.014 | < 0.0002 | 0.0053 | 0.659 | < 0.0025 | < 0.002 | |
| | 10/18/2017 | 0.42 | 110 | 110 | 0.38 | 7.16 | 95 | 720 | < 0.003 | 0.002 | 0.067 | ^< 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.0023 | 0.018 | < 0.0002 | < 0.005 | < 0.371 | 0.0029 | ^< 0.002 | |
| | 4/24/2018 | 0.31 | 110 | 300 | 0.34 | 7.33 | 130 | 1000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/31/2018 R | NA | NA | NA | NA | NA | NA | 940 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/17/2018 | 0.31 | 110 | 210 | 0.36 | 7.29 | 93 | 810 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/6/2019 | 0.38 | 130 | 500 | 0.31 | 7.11 | 84 | 1300 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 7/3/2019 R | NA | NA | 150 | NA | NA | NA | 890 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 11/7/2019 | 0.31 | 180 | 130 | 0.3 | 7.44 | 64 | 590 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/4/2019 R | NA | 89 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/20/2020 | 0.32 | 100 | 270 | 0.37 | 7.03 | 67 | 890 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 10/22/2020 | 0.52 | 92 | 180 | 0.38 | 7.16 | 85 | 720 | < 0.003 | 0.0012 | 0.069 | ^< 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.013 | < 0.0002 | 0.0054 | NA | 0.003 | < 0.002 | |
| | 5/18/2021 | 0.37 | 130 | 410 | 0.3 | 7.00 | 160 | 1300 | < 0.003 | 0.0015 | 0.1 | < 0.001 | < 0.0005 | < 0.0050 | < 0.0010 | < 0.0005 | 0.023 | < 0.0002 | < 0.005 | < 0.5970 | < 0.0025 | < 0.002 | |
| | 6/29/2021 R | NA | NA | 430 | NA | 7.33 | 150 | 1300 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 8/27/2021 | 0.36 | 100 | 300 | 0.3 | 6.94 | 140 | 960 | ^+< 0.003 | 0.0014 | 0.069 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.015 | < 0.0002 | < 0.005 | 0.528 | 0.0027 | < 0.002 | |
| | 11/16/2021 | 0.44 | 120 | 260 | 0.3 | 7.08 | 140 | 970 | < 0.003 | 0.0016 | 0.079 | ^!+< 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.014 | < 0.0002 | 0.0069 | 0.738 | < 0.0025 | < 0.002 | |
| | 3/3/2022 | 0.43 | 110 | 230 | 0.3 | 7.04 | 140 | 900 | < 0.003 | 0.0015 | 0.074 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.017 | < 0.0002 | < 0.005 | 0.514 | < 0.0025 | < 0.002 | |
| | 5/26/2022 | 0.55 | 120 | 320 | 0.31 | 6.86 | 140 | 1100 | < 0.003 | 0.003 | 0.082 | ^+< 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.0018 | 0.015 | < 0.0002 | < 0.005 | < 0.656 | 0.0029 | < 0.002 | |
| | 8/31/2022 | 0.43 | 110 | 240 | 0.32 | 6.5 | 130 | 1100 | < 0.003 | 0.0015 | 0.066 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | < 0.0005 | 0.016 | < 0.0002 | < 0.005 | < 0.421 | < 0.0025 | < 0.002 | |
| | 11/9/2022 | 0.39 | 120 | 230 | 0.42 | 7 | 120 | 910 | < 0.003 | 0.0021 | 0.068 | < 0.001 | < 0.0005 | < 0.005 | < 0.001 | 0.00093 | 0.015 | < 0.0002 | < 0.005 | < 0.501 | < 0.0025 | < 0.002 | |
| | 2/28/2023 | 0.60 | 160 | 130 | 0.35 | 7.15 | 260 | 980 | < 0.0030 | 0.0019 | 0.080 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | 0.00084 | 0.013 | < 0.00020 | 0.011 | < 0.685 | 0.022 | < 0.0020 | |
| | 3/23/2023 R | 0.46 | 130 | NA | NA | NA | 170 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 5/3/2023 | 0.50 | 110 | 270 | 0.30 | 6.96 | 120 | 910 | < 0.0030 | < 0.0010 | 0.072 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.016 | < 0.00020 | < 0.0050 | < 0.604 | 0.0027 | < 0.0020 | |
| | 7/20/2023 | 0.45 | 110 | 240 | 0.30 | 6.94 | 120 | 900 | < 0.0030 | 0.0011 | 0.070 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.016 | < 0.00020 | < 0.0050 | < 0.607 | < 0.0025 | < 0.0020 | |
| | 10/26/2023 | 0.42 | 110 | 220 | 0.32 | 6.96 | 150 | 910 | < 0.0030 | 0.0012 | 0.073 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.015 | < 0.00020 | 0.0050 | 1.16 | 0.0025 | < 0.0020 | |
| | 1/23/2024 | 0.49 | 110 | 210 | 0.29 | 6.93 | 210 | 1000 | ^!+< 0.0030 | 0.0012 | 0.098 | ^!+< 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.016 | < 0.00020 | 0.0050 | 0.779 | < 0.0025 | < 0.0020 | |
| | 5/22/2024 | 0.58 | 110 | 260 | 0.34 | 7.07 | 180 | 1100 | < 0.0030 | < 0.0010 | 0.072 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.015 | < 0.00020 | < 0.0050 | 0.834 | < 0.0025 | < 0.0020 | |
| | 7/30/2024 | 0.52 | 100 | 150 | 0.31 | 7.45 | 140 | 750 | < 0.0030 | < 0.0010 | 0.068 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | ^!+< 0.00050 | 0.014 | < 0.00020 | 0.0051 | < 0.488 | 0.0025 | < 0.0020 | |
| | 10/29/2024 | 0.48 | 100 | 150 | 0.32 | 7.34 | 150 | 840 | < 0.0030 | < 0.0010 | 0.072 | < 0.0010 | < 0.00050 | < 0.0050 | < 0.0010 | < 0.00050 | 0.015 | < 0.00020 | < 0.0050 | < 0.746 | < 0.0025 | < 0.0020 | |

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L.

DNVA - Data not yet available.

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

NA - Not analyzed. No confirmation resample required.

^+ - Continuing calibration verification is outside acceptance limits, high biased.

R - Resampled under federal rule.

Table 2. Turbidity Measurement Data, Midwest Generation, LLC, Joliet #29 Generating Station

| Well ID | Date | Turbidity (NTU) |
|------------|------------|-----------------|
| MW-03 | 3/2/2021 | 0.45 |
| | 4/10/2021 | 22.9 |
| | 4/25/2021 | 2.40 |
| | 5/18/2021 | 2.53 |
| | 6/11/2021 | 2.34 |
| | 6/29/2021 | 2.86 |
| | 7/19/2021 | 37.40 |
| | 8/9/2021 | 2.71 |
| | 8/30/2021 | 5.70 |
| | 9/27/2021 | 10.27 |
| | 11/16/2021 | 0.80 |
| | 3/3/2022 | 0.00 |
| | 5/26/2022 | 4.26 |
| | 8/31/2022 | 4.10 |
| | 11/9/2022 | 32.60 |
| | 2/28/2023 | 6.98 |
| | 5/3/2023 | 3.00 |
| | 7/20/2023 | 5.90 |
| 10/26/2023 | 3.50 | |
| 1/23/2024 | 90.70 | |
| 5/22/2024 | 48.07 | |
| 7/30/2024 | 8.94 | |
| 10/28/2024 | 4.82 | |
| MW-04 | 3/2/2021 | 81.89 |
| | 4/10/2021 | 5.96 |
| | 4/25/2021 | 3.02 |
| | 5/18/2021 | 2.52 |
| | 6/11/2021 | 2.80 |
| | 6/29/2021 | 3.34 |
| | 7/19/2021 | 47.4 |
| | 8/9/2021 | 4.13 |
| | 8/30/2021 | 18.3 |
| | 9/27/2021 | 1.76 |
| | 11/16/2021 | 4.20 |
| | 3/3/2022 | 0.00 |
| | 5/26/2022 | 1.23 |
| | 8/31/2022 | 3.78 |
| | 11/9/2022 | 43.50 |
| | 2/28/2023 | 62.10 |
| | 5/3/2023 | 6.30 |
| | 7/20/2023 | 6.00 |
| 10/26/2023 | 1.60 | |
| 1/23/2024 | 80.10 | |
| 5/22/2024 | 24.27 | |
| 7/30/2024 | 5.04 | |
| 10/29/2024 | 5.30 | |
| MW-05 | 2/25/2021 | 1.57 |
| | 4/10/2021 | 8.36 |
| | 4/25/2021 | 2.42 |
| | 5/17/2021 | 5.20 |
| | 6/11/2021 | 14.22 |
| | 6/29/2021 | 5.33 |
| | 7/19/2021 | 26.9 |
| | 8/9/2021 | 3.69 |
| | 8/27/2021 | 8.70 |
| | 9/27/2021 | 14.92 |
| | 11/16/2021 | 8.84 |
| | 3/3/2022 | 3.25 |
| | 5/26/2022 | 1.28 |
| | 8/31/2022 | 8.87 |
| | 11/9/2022 | 63.4 |
| | 2/28/2023 | 58.32 |
| | 5/3/2023 | 2.50 |
| | 7/20/2023 | 6.00 |
| 10/26/2023 | 1.10 | |
| 1/23/2024 | 7.12 | |
| 5/22/2024 | 3.23 | |
| 7/30/2024 | 2.46 | |
| 10/29/2024 | 17.59 | |

Table 2. Turbidity Measurement Data, Midwest Generation, LLC, Joliet #29 Generating Station

| Well ID | Date | Turbidity (NTU) |
|------------|------------|-----------------|
| MW-10 | 3/2/2021 | 26.07 |
| | 4/10/2021 | 7.31 |
| | 4/25/2021 | 5.21 |
| | 5/18/2021 | 3.73 |
| | 6/11/2021 | 6.65 |
| | 6/29/2021 | 9.49 |
| | 7/19/2021 | 14.5 |
| | 8/9/2021 | 10.08 |
| | 8/30/2021 | 9.3 |
| | 9/27/2021 | 16.3 |
| | 11/16/2021 | 5.59 |
| | 3/3/2022 | 2.86 |
| | 5/26/2022 | 2.08 |
| | 8/31/2022 | 2.93 |
| | 11/9/2022 | 19.6 |
| | 2/28/2023 | 17.13 |
| | 5/3/2023 | 2.6 |
| | 7/20/2023 | 5.6 |
| | 10/26/2023 | 1.4 |
| | 1/23/2024 | 82.7 |
| 5/22/2024 | 49.31 | |
| 7/30/2024 | 2.27 | |
| 10/29/2024 | 3.17 | |



ANALYTICAL REPORT

PREPARED FOR

Attn: James Thorne
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 11/22/2024 2:33:58 PM

JOB DESCRIPTION

Joliet #29 CCR

JOB NUMBER

500-259254-1

Eurofins Chicago

Job Notes

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Case Narrative

Client: Midwest Generation EME LLC
Project: Joliet #29 CCR

Job ID: 500-259254-1

Job ID: 500-259254-1

Eurofins Chicago

Job Narrative 500-259254-1

Receipt

The samples were received on 10/30/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8° C and 2.5° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 6020B | Metals (ICP/MS) | SW846 | EET CHI |
| 7470A | Mercury (CVAA) | SW846 | EET CHI |
| 300.0 | Anions, Ion Chromatography | EPA | EET CHI |
| SM 2540C | Solids, Total Dissolved (TDS) | SM | EET CHI |
| SM 4500 F C | Fluoride | SM | EET CHI |
| 3005A | Preparation, Total Recoverable or Dissolved Metals | SW846 | EET CHI |
| 7470A | Preparation, Mercury | SW846 | EET CHI |

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 500-259254-1 | MW-03 | Water | 10/29/24 08:33 | 10/30/24 08:40 |
| 500-259254-2 | MW-04 | Water | 10/29/24 09:54 | 10/30/24 08:40 |
| 500-259254-3 | MW-05 | Water | 10/29/24 11:30 | 10/30/24 08:40 |
| 500-259254-4 | MW-10 | Water | 10/29/24 14:35 | 10/30/24 08:40 |
| 500-259254-5 | Duplicate | Water | 10/29/24 00:00 | 10/30/24 08:40 |

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Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-03
Date Collected: 10/29/24 08:33
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-1
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|---------------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Arsenic | 0.0013 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Barium | 0.11 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Boron | 0.40 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Calcium | 110 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Lithium | 0.011 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Molybdenum | 0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Selenium | 0.0031 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:08 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:14 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 180 | | 5.0 | | mg/L | | | 11/18/24 18:56 | 5 |
| Sulfate (EPA 300.0) | 130 | | 5.0 | | mg/L | | | 11/18/24 18:56 | 5 |
| Total Dissolved Solids (SM 2540C) | 1000 | | 10 | | mg/L | | | 11/03/24 19:48 | 1 |
| Fluoride (SM 4500 F C) | 0.39 | | 0.10 | | mg/L | | | 11/18/24 20:14 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-04
Date Collected: 10/29/24 09:54
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-2
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|---------------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Arsenic | 0.0013 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Barium | 0.078 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Boron | 0.38 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Calcium | 120 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Cobalt | 0.0095 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Lithium | 0.013 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Molybdenum | 0.0055 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:11 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:21 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 190 | | 5.0 | | mg/L | | | 11/18/24 19:27 | 5 |
| Sulfate (EPA 300.0) | 120 | | 5.0 | | mg/L | | | 11/18/24 19:27 | 5 |
| Total Dissolved Solids (SM 2540C) | 980 | | 10 | | mg/L | | | 11/03/24 19:50 | 1 |
| Fluoride (SM 4500 F C) | 0.43 | | 0.10 | | mg/L | | | 11/20/24 16:42 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-05
Date Collected: 10/29/24 11:30
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Arsenic | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Barium | 0.072 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Boron | 0.48 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Calcium | 100 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Lithium | 0.015 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:13 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:23 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 150 | | 10 | | mg/L | | | 11/18/24 20:29 | 10 |
| Sulfate (EPA 300.0) | 150 | | 10 | | mg/L | | | 11/18/24 20:29 | 10 |
| Total Dissolved Solids (SM 2540C) | 840 | | 10 | | mg/L | | | 11/03/24 19:53 | 1 |
| Fluoride (SM 4500 F C) | 0.32 | | 0.10 | | mg/L | | | 11/20/24 16:58 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-10
Date Collected: 10/29/24 14:35
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-4
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------|---------------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Arsenic | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Barium | 0.048 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Boron | 0.46 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Calcium | 130 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Lithium | 0.013 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Molybdenum | 0.0063 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:15 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:25 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 220 | | 10 | | mg/L | | | 11/18/24 13:44 | 10 |
| Sulfate (EPA 300.0) | 160 | | 10 | | mg/L | | | 11/18/24 13:44 | 10 |
| Total Dissolved Solids (SM 2540C) | 1000 | | 10 | | mg/L | | | 11/03/24 19:55 | 1 |
| Fluoride (SM 4500 F C) | 0.38 | | 0.10 | | mg/L | | | 11/20/24 17:03 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: Duplicate

Lab Sample ID: 500-259254-5

Date Collected: 10/29/24 00:00

Matrix: Water

Date Received: 10/30/24 08:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------|--------------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Arsenic | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Barium | 0.073 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Boron | 0.50 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Calcium | 110 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Lithium | 0.015 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 17:18 | 1 |

Method: SW846 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:27 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride (EPA 300.0) | 150 | | 10 | | mg/L | | | 11/18/24 14:16 | 10 |
| Sulfate (EPA 300.0) | 140 | | 10 | | mg/L | | | 11/18/24 14:16 | 10 |
| Total Dissolved Solids (SM 2540C) | 900 | | 10 | | mg/L | | | 11/03/24 19:58 | 1 |
| Fluoride (SM 4500 F C) | 0.32 | | 0.10 | | mg/L | | | 11/20/24 17:07 | 1 |

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Metals

Prep Batch: 795876

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 500-259254-1 | MW-03 | Total Recoverable | Water | 3005A | |
| 500-259254-2 | MW-04 | Total Recoverable | Water | 3005A | |
| 500-259254-3 | MW-05 | Total Recoverable | Water | 3005A | |
| 500-259254-4 | MW-10 | Total Recoverable | Water | 3005A | |
| 500-259254-5 | Duplicate | Total Recoverable | Water | 3005A | |
| MB 500-795876/1-A | Method Blank | Total Recoverable | Water | 3005A | |
| LCS 500-795876/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |

Prep Batch: 796023

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | 7470A | |
| 500-259254-2 | MW-04 | Total/NA | Water | 7470A | |
| 500-259254-3 | MW-05 | Total/NA | Water | 7470A | |
| 500-259254-4 | MW-10 | Total/NA | Water | 7470A | |
| 500-259254-5 | Duplicate | Total/NA | Water | 7470A | |
| MB 500-796023/12-A | Method Blank | Total/NA | Water | 7470A | |
| LCS 500-796023/13-A | Lab Control Sample | Total/NA | Water | 7470A | |
| 500-259254-1 MS | MW-03 | Total/NA | Water | 7470A | |
| 500-259254-1 MSD | MW-03 | Total/NA | Water | 7470A | |
| 500-259254-1 DU | MW-03 | Total/NA | Water | 7470A | |

Analysis Batch: 796189

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | 7470A | 796023 |
| 500-259254-2 | MW-04 | Total/NA | Water | 7470A | 796023 |
| 500-259254-3 | MW-05 | Total/NA | Water | 7470A | 796023 |
| 500-259254-4 | MW-10 | Total/NA | Water | 7470A | 796023 |
| 500-259254-5 | Duplicate | Total/NA | Water | 7470A | 796023 |
| MB 500-796023/12-A | Method Blank | Total/NA | Water | 7470A | 796023 |
| LCS 500-796023/13-A | Lab Control Sample | Total/NA | Water | 7470A | 796023 |
| 500-259254-1 MS | MW-03 | Total/NA | Water | 7470A | 796023 |
| 500-259254-1 MSD | MW-03 | Total/NA | Water | 7470A | 796023 |
| 500-259254-1 DU | MW-03 | Total/NA | Water | 7470A | 796023 |

Analysis Batch: 796286

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 500-259254-1 | MW-03 | Total Recoverable | Water | 6020B | 795876 |
| 500-259254-2 | MW-04 | Total Recoverable | Water | 6020B | 795876 |
| 500-259254-3 | MW-05 | Total Recoverable | Water | 6020B | 795876 |
| 500-259254-4 | MW-10 | Total Recoverable | Water | 6020B | 795876 |
| 500-259254-5 | Duplicate | Total Recoverable | Water | 6020B | 795876 |
| MB 500-795876/1-A | Method Blank | Total Recoverable | Water | 6020B | 795876 |
| LCS 500-795876/2-A | Lab Control Sample | Total Recoverable | Water | 6020B | 795876 |

General Chemistry

Analysis Batch: 793633

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | SM 2540C | |
| 500-259254-2 | MW-04 | Total/NA | Water | SM 2540C | |
| 500-259254-3 | MW-05 | Total/NA | Water | SM 2540C | |

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

General Chemistry (Continued)

Analysis Batch: 793633 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-259254-4 | MW-10 | Total/NA | Water | SM 2540C | |
| 500-259254-5 | Duplicate | Total/NA | Water | SM 2540C | |
| MB 500-793633/1 | Method Blank | Total/NA | Water | SM 2540C | |
| LCS 500-793633/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |

Analysis Batch: 795822

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | 300.0 | |
| 500-259254-2 | MW-04 | Total/NA | Water | 300.0 | |
| 500-259254-3 | MW-05 | Total/NA | Water | 300.0 | |
| MB 500-795822/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-795822/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

Analysis Batch: 795841

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 500-259254-4 | MW-10 | Total/NA | Water | 300.0 | |
| 500-259254-5 | Duplicate | Total/NA | Water | 300.0 | |
| MB 500-795841/3 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 500-795841/4 | Lab Control Sample | Total/NA | Water | 300.0 | |

Analysis Batch: 795979

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | SM 4500 F C | |
| MB 500-795979/25 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 500-795979/26 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |

Analysis Batch: 796396

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 500-259254-2 | MW-04 | Total/NA | Water | SM 4500 F C | |
| 500-259254-3 | MW-05 | Total/NA | Water | SM 4500 F C | |
| 500-259254-4 | MW-10 | Total/NA | Water | SM 4500 F C | |
| 500-259254-5 | Duplicate | Total/NA | Water | SM 4500 F C | |
| MB 500-796396/3 | Method Blank | Total/NA | Water | SM 4500 F C | |
| LCS 500-796396/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| 500-259254-2 MS | MW-04 | Total/NA | Water | SM 4500 F C | |
| 500-259254-2 MSD | MW-04 | Total/NA | Water | SM 4500 F C | |

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-795876/1-A
Matrix: Water
Analysis Batch: 796286

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 795876

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Arsenic | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Barium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Boron | <0.050 | | 0.050 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Calcium | <0.20 | | 0.20 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Lithium | <0.010 | | 0.010 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 11/19/24 07:00 | 11/19/24 16:52 | 1 |

Lab Sample ID: LCS 500-795876/2-A
Matrix: Water
Analysis Batch: 796286

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 795876

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------|-------------|------------|---------------|------|---|------|-------------|
| Antimony | 0.500 | 0.511 | | mg/L | | 102 | 80 - 120 |
| Arsenic | 0.100 | 0.0953 | | mg/L | | 95 | 80 - 120 |
| Barium | 0.500 | 0.488 | | mg/L | | 98 | 80 - 120 |
| Beryllium | 0.0500 | 0.0497 | | mg/L | | 99 | 80 - 120 |
| Boron | 1.00 | 0.947 | | mg/L | | 95 | 80 - 120 |
| Cadmium | 0.0500 | 0.0501 | | mg/L | | 100 | 80 - 120 |
| Calcium | 10.0 | 8.08 | | mg/L | | 81 | 80 - 120 |
| Chromium | 0.200 | 0.204 | | mg/L | | 102 | 80 - 120 |
| Cobalt | 0.500 | 0.527 | | mg/L | | 105 | 80 - 120 |
| Lead | 0.100 | 0.0988 | | mg/L | | 99 | 80 - 120 |
| Lithium | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 |
| Molybdenum | 1.00 | 0.976 | | mg/L | | 98 | 80 - 120 |
| Selenium | 0.100 | 0.0947 | | mg/L | | 95 | 80 - 120 |
| Thallium | 0.100 | 0.101 | | mg/L | | 101 | 80 - 120 |

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-796023/12-A
Matrix: Water
Analysis Batch: 796189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 796023

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 11/19/24 11:00 | 11/19/24 17:10 | 1 |

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-796023/13-A
Matrix: Water
Analysis Batch: 796189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 796023

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Mercury | 0.00200 | 0.00216 | | mg/L | | 108 | 80 - 120 |

Lab Sample ID: 500-259254-1 MS
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 796023

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Mercury | <0.00020 | | 0.000999 | 0.00113 | | mg/L | | 113 | 75 - 125 |

Lab Sample ID: 500-259254-1 MSD
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 796023

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Mercury | <0.00020 | | 0.000999 | 0.00108 | | mg/L | | 108 | 75 - 125 | 5 | 20 |

Lab Sample ID: 500-259254-1 DU
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-03
Prep Type: Total/NA
Prep Batch: 796023

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Mercury | <0.00020 | | <0.00020 | | mg/L | | NC | 20 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-795822/3
Matrix: Water
Analysis Batch: 795822

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Chloride | <1.0 | | 1.0 | | mg/L | | | 11/18/24 10:36 | 1 |
| Sulfate | <1.0 | | 1.0 | | mg/L | | | 11/18/24 10:36 | 1 |

Lab Sample ID: LCS 500-795822/4
Matrix: Water
Analysis Batch: 795822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 20.0 | 18.6 | | mg/L | | 93 | 90 - 110 |
| Sulfate | 20.0 | 20.2 | | mg/L | | 101 | 90 - 110 |

Lab Sample ID: MB 500-795841/3
Matrix: Water
Analysis Batch: 795841

Client Sample ID: Method Blank
Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Chloride | <1.0 | | 1.0 | | mg/L | | | 11/18/24 11:55 | 1 |
| Sulfate | <1.0 | | 1.0 | | mg/L | | | 11/18/24 11:55 | 1 |

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 500-795841/4
 Matrix: Water
 Analysis Batch: 795841

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Chloride | 20.0 | 20.2 | | mg/L | | 101 | 90 - 110 |
| Sulfate | 20.0 | 21.2 | | mg/L | | 106 | 90 - 110 |

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 500-793633/1
 Matrix: Water
 Analysis Batch: 793633

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | | mg/L | | | 11/03/24 19:12 | 1 |

Lab Sample ID: LCS 500-793633/2
 Matrix: Water
 Analysis Batch: 793633

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| Total Dissolved Solids | 250 | 264 | | mg/L | | 106 | 80 - 120 |

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-795979/25
 Matrix: Water
 Analysis Batch: 795979

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Fluoride | <0.10 | | 0.10 | | mg/L | | | 11/18/24 17:58 | 1 |

Lab Sample ID: LCS 500-795979/26
 Matrix: Water
 Analysis Batch: 795979

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Fluoride | 10.0 | 9.55 | | mg/L | | 96 | 90 - 119 |

Lab Sample ID: MB 500-796396/3
 Matrix: Water
 Analysis Batch: 796396

Client Sample ID: Method Blank
 Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Fluoride | <0.10 | | 0.10 | | mg/L | | | 11/20/24 16:28 | 1 |

Lab Sample ID: LCS 500-796396/4
 Matrix: Water
 Analysis Batch: 796396

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|------|---|------|-------------|
| Fluoride | 10.0 | 10.0 | | mg/L | | 100 | 90 - 119 |

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-259254-2 MS
Matrix: Water
Analysis Batch: 796396

Client Sample ID: MW-04
Prep Type: Total/NA


| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Fluoride | 0.43 | | 5.00 | 5.40 | | mg/L | | 99 | 75 - 125 |

Lab Sample ID: 500-259254-2 MSD
Matrix: Water
Analysis Batch: 796396

Client Sample ID: MW-04
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Fluoride | 0.43 | | 5.00 | 5.32 | | mg/L | | 98 | 75 - 125 | 1 | 20 |



| | | | | | | | | | | | |
|--|--|---|--|---|--|--|--|--|--|---|--|
| Client Information | | Sampler: <i>IAS John Howler</i> | | Lab PM: Mockler, Diana J | | Carrier Tracking No(s) | | COC No: 500-129754-45941 1 | | | |
| Client Contact: Patrick Allenstein | | Phone: <i>630 290 6850</i> | | E-Mail: Diana Mockler@et eurofinsus.com | | State of Origin: | | Page: Page 1 of 1 | | | |
| Company: KPRG and Associates, Inc. | | PWSID | | Analysis Requested | | | | | | Job #: <i>500-259254</i> | |
| Address: 14665 West Lisbon Road, Suite 1A | | Due Date Requested | |  | | | | | | Preservation Codes: D - HNO3 N - None | |
| City: Brookfield | | TAT Requested (days) | | | | | | | | Other | |
| State, Zip: WI, 53005 | | Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | Total Number of Containers | |
| Phone: | | PO #: 4502153835 | | | | | | | | Special Instructions/Note: | |
| Email: patricka@kprginc.com | | WO #: | | | | | | | | Field Filled Samples (Yes or No) | |
| Project Name: Joliet #29 CCR/ Event Desc. Quarterly MWG Joliet #29 CCR | | Project #: 50011568 | | | | | | | | Perform MS/MS (Yes or No) | |
| Site: Illinois | | SSOW#: | | 6010C, 6020A, 7470A | | 2540C, 4500_F_C, SM4500_CLE, SM4500_S04_E | | 903.0, 904.0 | | | |
| Sample Identification | | Sample Date | | Sample Time | | Sample Type (C=comp, G=grab) | | Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) | | Preservation Code | |
| | | | | | | | | | | D N D | |
| 1 MW-03 | | 10-29-24 | | 08:33 | | G | | Water | | N N X X X | |
| 2 MW-04 | | 10-29-24 | | 09:54 | | G | | Water | | N N X X X | |
| 3 MW-05 | | 10-29-24 | | 11:30 | | G | | Water | | N N X X X | |
| 4 MW-10 | | 10-29-24 | | 14:35 | | G | | Water | | N N X X X | |
| 5 Duplicate | | 10-29-24 | | - | | G | | Water | | N N X X X | |
| | | | | | | | | Water | | | |
| Possible Hazard Identification | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | | | Special Instructions/QC Requirements | | | | | |
| Empty Kit Relinquished by: | | Date | | Time | | Method of Shipment: | | | | | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: 10-30-24 08:40 | | Company: <i>[Signature]</i> | | Received by: <i>Stephanie Hemond</i> | | Date/Time: 10/30/24 0840 | | Company: <i>EIA</i> | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: | |
| Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No | | Cooler Temperature(s) °C and Other Remarks: <i>1.1+0.8, 2.6+2.5</i> | | | | | | | |



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-259254-1

Login Number: 259254

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.8,2.5 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-03
Date Collected: 10/29/24 08:33
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------|---------|--|
| Total Recoverable | Prep | 3005A | | | 795876 | DAJ | EET CHI | 11/19/24 07:00 - 11/19/24 13:00 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 796286 | RN | EET CHI | 11/19/24 17:08 |
| Total/NA | Prep | 7470A | | | 796023 | S1Z | EET CHI | 11/19/24 11:00 - 11/19/24 13:00 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 796189 | S1Z | EET CHI | 11/19/24 17:14 |
| Total/NA | Analysis | 300.0 | | 5 | 795822 | MM | EET CHI | 11/18/24 18:56 |
| Total/NA | Analysis | SM 2540C | | 1 | 793633 | CLB | EET CHI | 11/03/24 19:48 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 795979 | SO | EET CHI | 11/18/24 20:14 |

Client Sample ID: MW-04
Date Collected: 10/29/24 09:54
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------|---------|--|
| Total Recoverable | Prep | 3005A | | | 795876 | DAJ | EET CHI | 11/19/24 07:00 - 11/19/24 13:00 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 796286 | RN | EET CHI | 11/19/24 17:11 |
| Total/NA | Prep | 7470A | | | 796023 | S1Z | EET CHI | 11/19/24 11:00 - 11/19/24 13:00 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 796189 | S1Z | EET CHI | 11/19/24 17:21 |
| Total/NA | Analysis | 300.0 | | 5 | 795822 | MM | EET CHI | 11/18/24 19:27 |
| Total/NA | Analysis | SM 2540C | | 1 | 793633 | CLB | EET CHI | 11/03/24 19:50 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 796396 | SO | EET CHI | 11/20/24 16:42 |

Client Sample ID: MW-05
Date Collected: 10/29/24 11:30
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------|---------|--|
| Total Recoverable | Prep | 3005A | | | 795876 | DAJ | EET CHI | 11/19/24 07:00 - 11/19/24 13:00 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 796286 | RN | EET CHI | 11/19/24 17:13 |
| Total/NA | Prep | 7470A | | | 796023 | S1Z | EET CHI | 11/19/24 11:00 - 11/19/24 13:00 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 796189 | S1Z | EET CHI | 11/19/24 17:23 |
| Total/NA | Analysis | 300.0 | | 10 | 795822 | MM | EET CHI | 11/18/24 20:29 |
| Total/NA | Analysis | SM 2540C | | 1 | 793633 | CLB | EET CHI | 11/03/24 19:53 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 796396 | SO | EET CHI | 11/20/24 16:58 |

Client Sample ID: MW-10
Date Collected: 10/29/24 14:35
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------|---------|--|
| Total Recoverable | Prep | 3005A | | | 795876 | DAJ | EET CHI | 11/19/24 07:00 - 11/19/24 13:00 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 796286 | RN | EET CHI | 11/19/24 17:15 |
| Total/NA | Prep | 7470A | | | 796023 | S1Z | EET CHI | 11/19/24 11:00 - 11/19/24 13:00 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 796189 | S1Z | EET CHI | 11/19/24 17:25 |
| Total/NA | Analysis | 300.0 | | 10 | 795841 | MM | EET CHI | 11/18/24 13:44 |

Eurofins Chicago

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR

Job ID: 500-259254-1

Client Sample ID: MW-10
Date Collected: 10/29/24 14:35
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|---------|----------------------|
| Total/NA | Analysis | SM 2540C | | 1 | 793633 | CLB | EET CHI | 11/03/24 19:55 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 796396 | SO | EET CHI | 11/20/24 17:03 |

Client Sample ID: Duplicate
Date Collected: 10/29/24 00:00
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-5
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-------------------|------------|--------------|-----|-----------------|--------------|---------------|---------|--|
| Total Recoverable | Prep | 3005A | | | 795876 | DAJ | EET CHI | 11/19/24 07:00 - 11/19/24 13:00 ¹ |
| Total Recoverable | Analysis | 6020B | | 1 | 796286 | RN | EET CHI | 11/19/24 17:18 |
| Total/NA | Prep | 7470A | | | 796023 | S1Z | EET CHI | 11/19/24 11:00 - 11/19/24 13:00 ¹ |
| Total/NA | Analysis | 7470A | | 1 | 796189 | S1Z | EET CHI | 11/19/24 17:27 |
| Total/NA | Analysis | 300.0 | | 10 | 795841 | MM | EET CHI | 11/18/24 14:16 |
| Total/NA | Analysis | SM 2540C | | 1 | 793633 | CLB | EET CHI | 11/03/24 19:58 |
| Total/NA | Analysis | SM 4500 F C | | 1 | 796396 | SO | EET CHI | 11/20/24 17:07 |

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



 **ANALYTICAL REPORT****PREPARED FOR**

Attn: James Thorne
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Generated 12/4/2024 9:20:52 AM

JOB DESCRIPTION

Joliet #29 CCR (RAD)

JOB NUMBER

500-259254-2

Eurofins Chicago

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Authorization



Generated
12/4/2024 9:20:52 AM

Authorized for release by
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Case Narrative

Client: Midwest Generation EME LLC
Project: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Job ID: 500-259254-2

Eurofins Chicago

Job Narrative 500-259254-2

Receipt

The samples were received on 10/30/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8°C and 2.5°C.

Gas Flow Proportional Counter

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

| Method | Method Description | Protocol | Laboratory |
|-------------|--|----------|------------|
| 903.0 | Radium-226 (GFPC) | EPA | EET SL |
| 904.0 | Radium-228 (GFPC) | EPA | EET SL |
| Ra226_Ra228 | Combined Radium-226 and Radium-228 | TAL-STL | EET SL |
| PrecSep_0 | Preparation, Precipitate Separation | None | EET SL |
| PrecSep-21 | Preparation, Precipitate Separation (21-Day In-Growth) | None | EET SL |

Protocol References:

EPA = US Environmental Protection Agency

None = None

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 500-259254-1 | MW-03 | Water | 10/29/24 08:33 | 10/30/24 08:40 |
| 500-259254-2 | MW-04 | Water | 10/29/24 09:54 | 10/30/24 08:40 |
| 500-259254-3 | MW-05 | Water | 10/29/24 11:30 | 10/30/24 08:40 |
| 500-259254-4 | MW-10 | Water | 10/29/24 14:35 | 10/30/24 08:40 |
| 500-259254-5 | Duplicate | Water | 10/29/24 00:00 | 10/30/24 08:40 |

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Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: MW-03
Date Collected: 10/29/24 08:33
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.178 | | 0.110 | 0.111 | 1.00 | 0.144 | pCi/L | 11/01/24 09:04 | 11/25/24 09:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 86.6 | | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:16 | 1 |

Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.351 | U | 0.444 | 0.445 | 1.00 | 0.738 | pCi/L | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 86.6 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Y Carrier | 73.3 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.529 | U | 0.457 | 0.459 | 5.00 | 0.738 | pCi/L | | 12/03/24 21:36 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: MW-04
Date Collected: 10/29/24 09:54
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-2
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.134 | U | 0.103 | 0.104 | 1.00 | 0.148 | pCi/L | 11/01/24 09:04 | 11/25/24 09:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.1 | | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:16 | 1 |

Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.0636 | U | 0.346 | 0.346 | 1.00 | 0.632 | pCi/L | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 88.1 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Y Carrier | 75.9 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.197 | U | 0.361 | 0.361 | 5.00 | 0.632 | pCi/L | | 12/03/24 21:36 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: MW-05
Date Collected: 10/29/24 11:30
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.245 | | 0.149 | 0.151 | 1.00 | 0.203 | pCi/L | 11/01/24 09:04 | 11/25/24 09:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 80.5 | | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:16 | 1 |

Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | -0.0552 | U | 0.398 | 0.398 | 1.00 | 0.746 | pCi/L | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 80.5 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Y Carrier | 83.4 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.190 | U | 0.425 | 0.426 | 5.00 | 0.746 | pCi/L | | 12/03/24 21:36 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: MW-10
Date Collected: 10/29/24 14:35
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-4
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.134 | U | 0.103 | 0.104 | 1.00 | 0.146 | pCi/L | 11/01/24 09:04 | 11/25/24 09:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 82.0 | | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:16 | 1 |

Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.202 | U | 0.364 | 0.364 | 1.00 | 0.628 | pCi/L | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 82.0 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Y Carrier | 80.4 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.337 | U | 0.378 | 0.379 | 5.00 | 0.628 | pCi/L | | 12/03/24 21:36 | 1 |

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: Duplicate

Lab Sample ID: 500-259254-5

Date Collected: 10/29/24 00:00

Matrix: Water

Date Received: 10/30/24 08:40

Method: EPA 903.0 - Radium-226 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-226 | 0.174 | U | 0.128 | 0.129 | 1.00 | 0.185 | pCi/L | 11/01/24 09:04 | 11/25/24 09:16 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 83.8 | | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:16 | 1 |

Method: EPA 904.0 - Radium-228 (GFPC)

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------------|----------------|---------|
| Radium-228 | 0.380 | U | 0.371 | 0.373 | 1.00 | 0.596 | pCi/L | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Carrier | %Yield | Qualifier | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | 83.8 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |
| Y Carrier | 87.5 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:23 | 1 |

Method: TAL-STL Ra226_Ra228 - Combined Radium-226 and Radium-228

| Analyte | Result | Qualifier | Count Uncert. (2σ+/-) | Total Uncert. (2σ+/-) | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|-----------------------------|-----------------------------|------|-------|-------|----------|----------------|---------|
| Combined Radium 226 + 228 | 0.554 | U | 0.392 | 0.395 | 5.00 | 0.596 | pCi/L | | 12/03/24 21:36 | 1 |

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Qualifiers

Rad

| Qualifier | Qualifier Description |
|-----------|---|
| U | Result is less than the sample detection limit. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| ☼ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| CNF | Contains No Free Liquid |
| DER | Duplicate Error Ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL | Detection Limit (DoD/DOE) |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision Level Concentration (Radiochemistry) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| LOQ | Limit of Quantitation (DoD/DOE) |
| MCL | EPA recommended "Maximum Contaminant Level" |
| MDA | Minimum Detectable Activity (Radiochemistry) |
| MDC | Minimum Detectable Concentration (Radiochemistry) |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| MPN | Most Probable Number |
| MQL | Method Quantitation Limit |
| NC | Not Calculated |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) |
| NEG | Negative / Absent |
| POS | Positive / Present |
| PQL | Practical Quantitation Limit |
| PRES | Presumptive |
| QC | Quality Control |
| RER | Relative Error Ratio (Radiochemistry) |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Rad

Prep Batch: 686249

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|------------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | PrecSep-21 | |
| 500-259254-2 | MW-04 | Total/NA | Water | PrecSep-21 | |
| 500-259254-3 | MW-05 | Total/NA | Water | PrecSep-21 | |
| 500-259254-4 | MW-10 | Total/NA | Water | PrecSep-21 | |
| 500-259254-5 | Duplicate | Total/NA | Water | PrecSep-21 | |
| MB 160-686249/1-A | Method Blank | Total/NA | Water | PrecSep-21 | |
| LCS 160-686249/2-A | Lab Control Sample | Total/NA | Water | PrecSep-21 | |

Prep Batch: 686250

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|-----------|------------|
| 500-259254-1 | MW-03 | Total/NA | Water | PrecSep_0 | |
| 500-259254-2 | MW-04 | Total/NA | Water | PrecSep_0 | |
| 500-259254-3 | MW-05 | Total/NA | Water | PrecSep_0 | |
| 500-259254-4 | MW-10 | Total/NA | Water | PrecSep_0 | |
| 500-259254-5 | Duplicate | Total/NA | Water | PrecSep_0 | |
| MB 160-686250/1-A | Method Blank | Total/NA | Water | PrecSep_0 | |
| LCS 160-686250/2-A | Lab Control Sample | Total/NA | Water | PrecSep_0 | |

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-686249/1-A
Matrix: Water
Analysis Batch: 690403

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686249

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------|-----------------|------|-------|-------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-226 | 0.1548 | U | 0.119 | 0.120 | 1.00 | 0.175 | pCi/L | 11/01/24 09:04 | 11/25/24 09:15 | 1 |
| Carrier | MB MB | | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | %Yield | Qualifier | 30 - 110 | | | | | 11/01/24 09:04 | 11/25/24 09:15 | 1 |
| | 86.8 | | | | | | | | | |

Lab Sample ID: LCS 160-686249/2-A
Matrix: Water
Analysis Batch: 690403

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686249

| Analyte | LCS LCS | | Spike | LCS | LCS | Total | RL | MDC | Unit | %Rec | %Rec |
|------------|---------|-----------|----------|--------|------|-----------------|------|-------|-------|------|----------|
| | %Yield | Qualifier | Added | Result | Qual | Uncert. (2σ+/-) | | | | | |
| Radium-226 | | | 9.58 | 8.273 | | 0.947 | 1.00 | 0.138 | pCi/L | 86 | 75 - 125 |
| Carrier | LCS LCS | | Limits | | | | | | | | |
| Ba Carrier | %Yield | Qualifier | 30 - 110 | | | | | | | | |
| | 90.6 | | | | | | | | | | |

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-686250/1-A
Matrix: Water
Analysis Batch: 689807


Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686250

| Analyte | MB MB | | Count | Total | RL | MDC | Unit | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|-----------------|-----------------|------|-------|-------|----------------|----------------|---------|
| | Result | Qualifier | Uncert. (2σ+/-) | Uncert. (2σ+/-) | | | | | | |
| Radium-228 | 0.4630 | U | 0.344 | 0.346 | 1.00 | 0.517 | pCi/L | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Carrier | MB MB | | Limits | | | | | Prepared | Analyzed | Dil Fac |
| Ba Carrier | %Yield | Qualifier | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |
| Y Carrier | 82.6 | | 30 - 110 | | | | | 11/01/24 09:09 | 11/21/24 12:22 | 1 |

Lab Sample ID: LCS 160-686250/2-A
Matrix: Water
Analysis Batch: 689807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686250

| Analyte | LCS LCS | | Spike | LCS | LCS | Total | RL | MDC | Unit | %Rec | %Rec |
|------------|---------|-----------|----------|--------|------|-----------------|------|-------|-------|------|----------|
| | %Yield | Qualifier | Added | Result | Qual | Uncert. (2σ+/-) | | | | | |
| Radium-228 | | | 8.33 | 8.391 | | 1.22 | 1.00 | 0.545 | pCi/L | 101 | 75 - 125 |
| Carrier | LCS LCS | | Limits | | | | | | | | |
| Ba Carrier | %Yield | Qualifier | 30 - 110 | | | | | | | | |
| Y Carrier | 81.1 | | 30 - 110 | | | | | | | | |

| | | | | | | | | | | | | |
|--|--|---|--------------|---|--|--|---------------------------|---------------------------------|--|---|----------------------------|----------------------------|
| Client Information | | Sampler: <i>IAS John Howler</i> | | Lab PM: Mockler, Diana J | | Carrier Tracking No(s) | | COC No: 500-129754-45941 1 | | | | |
| Client Contact: Patrick Allenstein | | Phone: <i>630 290 6850</i> | | E-Mail: Diana Mockler@et eurofinsus.com | | State of Origin: | | Page: Page 1 of 1 | | | | |
| Company: KPRG and Associates, Inc. | | PWSID | | Analysis Requested | | | | | | Job #: <i>500-259254</i> | | |
| Address: 14665 West Lisbon Road, Suite 1A | | Due Date Requested | |  | | | | | | Preservation Codes: D - HNO3 N - None | | |
| City: Brookfield | | TAT Requested (days) | | | | | | | | Other | | |
| State, Zip: WI, 53005 | | Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | |
| Phone: | | PO #: 4502153835 | | | | | | | | | | |
| Email: patricka@kprginc.com | | WO #: | | | | | | | | | | |
| Project Name: Joliet #29 CCR/ Event Desc. Quarterly MWG Joliet #29 CCR | | Project #: 50011568 | | | | | | | | | | |
| Site: Illinois | | SSOW#: | | | | | | | | | | |
| Sample Identification | | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) | Field Filled Samples (Yes or No) | Perform MS/MS (Yes or No) | 6010C, 6020A, 7470A | 2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E | 903.0, 904.0 | Total Number of Containers | Special Instructions/Note: |
| | | | | Preservation Code | | X | X | D | N | D | X | |
| 1 MW-03 | | <i>10-29-24</i> | <i>08:33</i> | <i>G</i> | Water | N | N | X | X | X | 5 | |
| 2 MW-04 | | <i>10-29-24</i> | <i>09:54</i> | <i>G</i> | Water | N | N | X | X | X | 5 | |
| 3 MW-05 | | <i>10-29-24</i> | <i>11:30</i> | <i>G</i> | Water | N | N | X | X | X | 5 | |
| 4 MW-10 | | <i>10-29-24</i> | <i>14:35</i> | <i>G</i> | Water | N | N | X | X | X | 5 | |
| 5 Duplicate | | <i>10-29-24</i> | <i>-</i> | <i>G</i> | Water | N | N | X | X | X | 5 | |
| | | | | Water | | | | | | | | |
| Possible Hazard Identification | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | |
| Deliverable Requested I, II, III, IV, Other (specify) | | | | | | Special Instructions/QC Requirements | | | | | | |
| Empty Kit Relinquished by: | | Date | | Time | | Method of Shipment: | | | | | | |
| Relinquished by: <i>[Signature]</i> | | Date/Time: <i>10-30-24 08:40</i> | | Company: <i>KPRG</i> | | Received by: <i>Stephanie Hemond</i> | | Date/Time: <i>10/30/24 0840</i> | | Company: <i>EIA</i> | | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: | | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: | | |
| Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No | | Cooler Temperature(s) °C and Other Remarks: <i>1.1+0.8, 2.6+2.5</i> | | | | | | | | |



Chain of Custody Record



| | | | | | |
|--|--|--|---------------------------------------|-----------------------------|----------------------|
| Client Information (Sub Contract Lab) | | Sampler: N/A | Lab PM: Mockler, Diana J | Carrier Tracking No(s): N/A | COC No: 500-194556.1 |
| Client Contact: N/A | | Phone: N/A | E-Mail: Diana.Mockler@et.eurofins.com | State of Origin: Illinois | Page: Page 1 of 1 |
| Shipping/Receiving | | Company: TestAmerica Laboratories, Inc. | | | |
| Address: 13715 Rider Trail North, | | Accreditations Required (See note): NELAP - Illinois | | | |
| City: Earth City | | Due Date Requested: 12/2/2024 | | | |
| State, Zip: MO, 63045 | | TAT Requested (days): N/A | | | |
| Phone: 314-298-8566(Tel) 314-298-8757(Fax) | | PO #: N/A | | | |
| Email: N/A | | WO #: N/A | | | |
| Project Name: Joliet #29 CCR | | Project #: 50011568 | | | |
| Site: NRG Midwest Generation LSO Joliet#29 CCR | | SSOW#: N/A | | | |

| Sample Identification - Client ID (Lab ID) | Sample Date | Sample Time | Sample Type (C=comp, G=grab) | Matrix (Water, Seawater, On-water, Air) | Preservation Code: | Field Filtered Sample (Yes or No) | | Perform MS/MSD (Yes or No) | | 903/PreSep_21 Standard Target List | 904/PreSep_0 Standard Target List | Ra226Ra228_GFPc | Total Number of containers | Special Instructions/Note: |
|--|-------------|---------------|------------------------------|---|--------------------|-----------------------------------|----|----------------------------|----|------------------------------------|-----------------------------------|-----------------|----------------------------|--|
| | | | | | | Yes | No | Yes | No | | | | | |
| MW-03 (500-259254-1) | 10/29/24 | 08:33 Central | G | Water | | X | X | X | X | X | X | X | 3 | Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. |
| MW-04 (500-259254-2) | 10/29/24 | 09:54 Central | G | Water | | X | X | X | X | X | X | X | 3 | Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. |
| MW-05 (500-259254-3) | 10/29/24 | 11:30 Central | G | Water | | X | X | X | X | X | X | X | 3 | Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. |
| MW-10 (500-259254-4) | 10/29/24 | 14:35 Central | G | Water | | X | X | X | X | X | X | X | 3 | Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. |
| Duplicate (500-259254-5) | 10/29/24 | Central | G | Water | | X | X | X | X | X | X | X | 3 | Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume. |

Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification
Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *Danijana Jurbrough* Date/Time: 10/30/24 15:23 Company: EETA

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No Custody Seal No.: _____

Relinquished by: *Cheyenne Forrest* Date/Time: 08:40 OCT 31 2024 Company: EETA-SH

Relinquished by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: _____

Method of Shipment: _____

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-259254-2

Login Number: 259254

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 0.8,2.5 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-259254-2

Login Number: 259254

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 10/31/24 02:56 PM

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | N/A | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | N/A | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: MW-03
Date Collected: 10/29/24 08:33
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-1
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Prep | PrecSep-21 | | | 686249 | BCE | EET SL | 11/01/24 09:04 |
| Total/NA | Analysis | 903.0 | | 1 | 690403 | FLC | EET SL | 11/25/24 09:16 |
| Total/NA | Prep | PrecSep_0 | | | 686250 | BCE | EET SL | 11/01/24 09:09 |
| Total/NA | Analysis | 904.0 | | 1 | 689807 | SCB | EET SL | 11/21/24 12:22 |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 691725 | SCB | EET SL | 12/03/24 21:36 |

Client Sample ID: MW-04
Date Collected: 10/29/24 09:54
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-2
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Prep | PrecSep-21 | | | 686249 | BCE | EET SL | 11/01/24 09:04 |
| Total/NA | Analysis | 903.0 | | 1 | 690403 | FLC | EET SL | 11/25/24 09:16 |
| Total/NA | Prep | PrecSep_0 | | | 686250 | BCE | EET SL | 11/01/24 09:09 |
| Total/NA | Analysis | 904.0 | | 1 | 689807 | SCB | EET SL | 11/21/24 12:22 |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 691725 | SCB | EET SL | 12/03/24 21:36 |

Client Sample ID: MW-05
Date Collected: 10/29/24 11:30
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-3
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Prep | PrecSep-21 | | | 686249 | BCE | EET SL | 11/01/24 09:04 |
| Total/NA | Analysis | 903.0 | | 1 | 690403 | FLC | EET SL | 11/25/24 09:16 |
| Total/NA | Prep | PrecSep_0 | | | 686250 | BCE | EET SL | 11/01/24 09:09 |
| Total/NA | Analysis | 904.0 | | 1 | 689807 | SCB | EET SL | 11/21/24 12:23 |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 691725 | SCB | EET SL | 12/03/24 21:36 |

Client Sample ID: MW-10
Date Collected: 10/29/24 14:35
Date Received: 10/30/24 08:40

Lab Sample ID: 500-259254-4
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Prep | PrecSep-21 | | | 686249 | BCE | EET SL | 11/01/24 09:04 |
| Total/NA | Analysis | 903.0 | | 1 | 690403 | FLC | EET SL | 11/25/24 09:16 |
| Total/NA | Prep | PrecSep_0 | | | 686250 | BCE | EET SL | 11/01/24 09:09 |
| Total/NA | Analysis | 904.0 | | 1 | 689807 | SCB | EET SL | 11/21/24 12:23 |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 691725 | SCB | EET SL | 12/03/24 21:36 |

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Client Sample ID: Duplicate

Lab Sample ID: 500-259254-5

Date Collected: 10/29/24 00:00

Matrix: Water

Date Received: 10/30/24 08:40

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|--------|----------------------|
| Total/NA | Prep | PrecSep-21 | | | 686249 | BCE | EET SL | 11/01/24 09:04 |
| Total/NA | Analysis | 903.0 | | 1 | 690403 | FLC | EET SL | 11/25/24 09:16 |
| Total/NA | Prep | PrecSep_0 | | | 686250 | BCE | EET SL | 11/01/24 09:09 |
| Total/NA | Analysis | 904.0 | | 1 | 689807 | SCB | EET SL | 11/21/24 12:23 |
| Total/NA | Analysis | Ra226_Ra228 | | 1 | 691725 | SCB | EET SL | 12/03/24 21:36 |

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



Tracer/Carrier Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet #29 CCR (RAD)

Job ID: 500-259254-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Ba (30-110) |
|--------------------|--------------------|----------------|
| 500-259254-1 | MW-03 | 86.6 |
| 500-259254-2 | MW-04 | 88.1 |
| 500-259254-3 | MW-05 | 80.5 |
| 500-259254-4 | MW-10 | 82.0 |
| 500-259254-5 | Duplicate | 83.8 |
| LCS 160-686249/2-A | Lab Control Sample | 90.6 |
| MB 160-686249/1-A | Method Blank | 86.8 |

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

| Lab Sample ID | Client Sample ID | Ba (30-110) | Y (30-110) |
|--------------------|--------------------|----------------|---------------|
| 500-259254-1 | MW-03 | 86.6 | 73.3 |
| 500-259254-2 | MW-04 | 88.1 | 75.9 |
| 500-259254-3 | MW-05 | 80.5 | 83.4 |
| 500-259254-4 | MW-10 | 82.0 | 80.4 |
| 500-259254-5 | Duplicate | 83.8 | 87.5 |
| LCS 160-686250/2-A | Lab Control Sample | 90.6 | 81.1 |
| MB 160-686250/1-A | Method Blank | 86.8 | 82.6 |

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

| | | | | |
|---------------------|------------------------------------|------------------------|--------------------------------|----------|
| PROJECT NAME | NRG - JOLIET #29 STATION (12313.0) | | DATE | 10-29-24 |
| Sample Name | MW-03 | Start Time | 08:18 | |
| Condition of Well | Good | | | |
| Water Level | 33.48 | Total Depth | — | |
| Well Diameter | PVC - 2 inch | Volume in Well | — | |
| Method of Purge | Low-Flow | Purge Characteristics | COLORLESS ODORLESS | |
| Volume Removed | 1.75 GALS. | W L at Sample Time | 33.47 | |
| Method of Sample | Low-Flow | Sample Characteristics | APPEARS CLEAR CCA FILTERED. | |
| Sample Analysis | CCA + CCR | Sample Time | 08:33 | |
| Water Quality Meter | YSI ProDss | | | |

| Time | Depth to Water (ft) | ph (SU) | Temp (°C) | Spec. Cond (mS/cm). | DO (mg/L) | ORP (mV) | Turbidity (NTU) |
|-------|---------------------|---------|-----------|---------------------|-----------|----------|-----------------|
| 08:21 | 33.48 | 7.77 | 14.9 | 1.402 | 10.36 | 85.9 | 4.06 |
| 08:24 | — | 7.51 | 12.9 | 1.532 | 9.51 | 90.2 | 3.78 |
| 08:27 | 33.47 | 7.43 | 12.7 | 1.565 | 8.10 | 90.9 | 4.56 |
| 08:30 | 33.47 | 7.38 | 12.8 | 1.580 | 7.24 | 89.0 | 4.96 |
| 08:33 | 33.47 | 7.38 | 12.8 | 1.585 | 7.03 | 87.8 | 4.82. |
| | | | | | | | |
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



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|---------------------|------------------------------------|------------------------|-------------------------------|----------|
| PROJECT NAME | NRG - JOLIET #29 STATION (12313.0) | | DATE | 10-29-24 |
| Sample Name | MW-04 | Start Time | 09:39 | |
| Condition of Well | GOOD | | | |
| Water Level | 33.73 | Total Depth | — | |
| Well Diameter | PVC - 2 inch | Volume in Well | — | |
| Method of Purge | Low-Flow | Purge Characteristics | COLORLESS ODORLESS | |
| Volume Removed | 1.5 QTS. | W L at Sample Time | 33.72 | |
| Method of Sample | Low-Flow | Sample Characteristics | APPEARS CLEAR CCA FILTERED | |
| Sample Analysis | CCA + CCR | Sample Time | 09:54 | |
| Water Quality Meter | YSI ProDss | | | |

| Time | Depth to Water (ft) | ph (SU) | Temp (°C) | Spec. Cond (mS/cm) | DO (mg/L) | ORP (mV) | Turbidity (NTU) |
|-------|---------------------|---------|-----------|--------------------|-----------|----------|-----------------|
| 09:42 | 33.73 | 7.35 | 15.4 | 1.511 | 7.88 | 69.8 | 2.10 |
| 09:45 | 33.73 | 7.38 | 14.7 | 1.517 | 8.33 | 71.1 | 2.80 |
| 09:48 | — | 7.34 | 14.2 | 1.564 | 7.02 | 69.6 | 4.71 |
| 09:51 | 33.73 | 7.33 | 13.9 | 1.577 | 6.18 | 65.1 | 5.00 |
| 09:54 | 33.72 | 7.32 | 14.0 | 1.576 | 6.05 | 64.0 | 5.30 |
| — | | | | | | | |
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



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|---------------------|------------------------------------|------------------------|----------------------------------|----------|
| PROJECT NAME | NRG - JOLIET #29 STATION (12313.0) | | DATE | 10-29-24 |
| Sample Name | MW-05 | Start Time | 11:15 | |
| Condition of Well | GOOD | | | |
| Water Level | 34.44 | Total Depth | — | |
| Well Diameter | PVC - 2 inch | Volume in Well | — | |
| Method of Purge | Low-Flow | Purge Characteristics | COLORLESS TRACE ODORLESS TURB | |
| Volume Removed | 1.50 QTS | W L at Sample Time | 34.42 | |
| Method of Sample | Low-Flow | Sample Characteristics | APPEARS CLEAR CCA FILTERED | |
| Sample Analysis | CCA + CCR + CCR DUP | Sample Time | 11:30 | |
| Water Quality Meter | YSI ProDss | | | |

| Time | Depth to Water (ft) | ph (SU) | Temp (°C) | Spec. Cond (mS/cm) | DO (mg/L) | ORP (mV) | Turbidity (NTU) |
|-------|---------------------|---------|-----------|--------------------|-----------|----------|-----------------|
| 11:18 | 34.43 | 8.04 | 16.1 | 1.421 | 9.91 | 14.9 | 18.08 |
| 11:21 | 34.42 | 7.49 | 13.9 | 1.406 | 7.67 | 44.1 | 16.14 |
| 11:24 | 34.43 | 7.38 | 14.4 | 1.401 | 6.34 | 41.6 | 16.23 |
| 11:27 | — | 7.35 | 14.6 | 1.400 | 6.11 | 40.7 | 17.39 |
| 11:30 | 34.42 | 7.34 | 14.8 | 1.401 | 6.00 | 40.0 | 17.59 |
| — | | | | | | | |
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



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|---------------------|------------------------------------|------------------------|-------------------------------|----------|
| PROJECT NAME | NRG - JOLIET #29 STATION (12313.0) | | DATE | 10-29-24 |
| Sample Name | MW-10 | Start Time | 14:17 | |
| Condition of Well | GOOD | | | |
| Water Level | 34.62 | Total Depth | — | |
| Well Diameter | PVC - 2 inch | Volume in Well | — | |
| Method of Purge | Low-Flow | Purge Characteristics | COLORLESS SLIGHT ODOR | |
| Volume Removed | 1.5 QTS, | W L at Sample Time | 34.62 | |
| Method of Sample | Low-Flow | Sample Characteristics | APPEARS CLEAR CCA FILTERED | |
| Sample Analysis | CCA + CCR | Sample Time | 14:35 | |
| Water Quality Meter | YSI ProDss | | | |

| Time | Depth to Water (ft) | ph (SU) | Temp (°C) | Spec. Cond (mS/cm) | DO (mg/L) | ORP (mV) | Turbidity (NTU) |
|-------|---------------------|---------|-----------|--------------------|-----------|----------|-----------------|
| 14:20 | 34.62 | 7.49 | 16.1 | 1.561 | 9.23 | 25.3 | 3.67 |
| 14:23 | 34.63 | 7.35 | 15.2 | 1.616 | 8.73 | 49.8 | 2.50 |
| 14:26 | 34.62 | 7.30 | 16.0 | 1.647 | 8.13 | 47.9 | 2.59 |
| 14:29 | 34.62 | 7.27 | 16.2 | 1.672 | 7.82 | 44.0 | 2.79 |
| 14:32 | 34.61 | 7.29 | 16.3 | 1.684 | 7.52 | 39.5 | 2.94 |
| 14:35 | 34.62 | 7.30 | 16.4 | 1.687 | 7.30 | 38.0 | 3.17. |
| | | | | | | | |
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

