

DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

Regulated Unit(s): Pond 2 S (IEPA ID No. W1978100011-03)
 Pond 3 S (IEPA ID No. W1978100011-04)

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 Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, 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 Combined	Selenium	Thallium	
MW-09 down-gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750	< 0.003	0.0047	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	-0.2208	< 0.0025	< 0.002	
	2/17/2016	1.8	47	160	0.55	9.10	250	600	< 0.003	0.0051	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	< 0.01	< 0.0002	0.089	< 0.373	< 0.0025	< 0.002	
	5/24/2016	1.6	48	180	0.51	8.79	240	640	< 0.003	0.0043	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00071	< 0.01	< 0.0002	0.079	< 0.508	< 0.0025	< 0.002	
	8/9/2016	2.2	53	140	0.48	8.35	280	750	< 0.003	0.0052	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	0.639	< 0.0025	< 0.002	
	10/26/2016	2.2	33	130	0.81	9.16	230	660	< 0.003	0.0069	0.019	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.11	0.608	< 0.0025	< 0.002	
	1/31/2017	2.0	61	250	0.57	8.59	180	710	< 0.003	0.0063	0.038	* < 0.001	< 0.0005	< 0.005	< 0.0010	0.0014	< 0.01	^ < 0.0002	0.09	< 0.45	< 0.0025	< 0.002	
	5/9/2017	1.8	66	340	0.38	8.58	250	900	< 0.003	0.0052	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00054	< 0.01	< 0.0002	0.093	< 0.361	< 0.0025	< 0.002	
	6/27/2017	1.9	64	330	0.51	7.76	240	940	< 0.003	0.0046	0.039	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.091	0.638	< 0.0025	< 0.002	
	9/6/2017	1.8	59	310	0.51	8.98	240	890	< 0.003	0.0047	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.1	0.454	< 0.0025	< 0.002	
	11/14/2017	2.6	160	270	0.51	8.1	290	910	< 0.003	0.0017	0.11	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.018	< 0.0002	0.026	< 0.372	0.0061	< 0.002	
	5/1/2018	1.7	49	200	0.52	7.81	430	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	NA	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	2.1	49	170	0.55	8.09	270	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.5	48	280	0.29	8.90	150	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	2.0	38	140	0.46	8.65	160	630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	1.3	55	320	0.32	8.66	140	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.0	43	240	0.55	8.64	180	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2021	1.6	67	360	0.39	8.74	180	900	< 0.003	0.0044	0.054	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.054	0.741	< 0.0025	< 0.002	
	8/25/2021	1.9	60	360	0.43	9.06	210	800	< 0.003	0.0065	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	< 0.444	< 0.0025	< 0.002	
	11/23/2021	1.1	30	290	0.47	8.73	210	900	< 0.003	0.0046	0.024	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.037	0.789	< 0.0025	< 0.002	
	2/22/2022	1.5	49	250	0.4	8.65	160	900	< 0.003	0.007	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0065	< 0.0002	0.051	< 0.409	< 0.0025	< 0.002	
	6/15/2022	1.9	43	230	0.48	8.35	180	730	< 0.003	0.0071	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.057	< 0.39	< 0.0025	< 0.002	
	8/25/2022	2.1	38	210	0.58	8.68	190	770	< 0.003	0.0089	0.034	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.065	1.22	< 0.0025	< 0.002	
	11/16/2022	2.3	37	210	0.79	8.82	160	690	< 0.003	0.0094	0.036	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00066	< 0.01	< 0.0002	0.067	< 0.51	< 0.0025	< 0.002	
	2/23/2023	2.0	38	190	0.53	9.04	210	680	< 0.0030	0.0086	0.029	^1+ ^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.065	< 0.614	< 0.0025	< 0.0020	
	4/26/2023	1.8	38	190	0.48	8.82	220	750	< 0.0030	0.008	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.062	< 0.562	< 0.0025	< 0.0020	
	7/26/2023	2.0	44	190	0.49	8.83	250	720	< 0.0030	0.0087	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.074	< 0.733	< 0.0025	< 0.0020	
	10/24/2023	2.0	41	200	0.52	8.68	200	770	< 0.0030	0.010	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.070	< 0.549	< 0.0025	< 0.0020	
	2/7/2024	2.1	39	190	0.60	8.89	230	680	^1+ < 0.030	0.0082	0.035	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.068	0.588	< 0.0025	< 0.0020	
	5/8/2024	1.8	41	180	0.52	9.33	230	740	< 0.003	0.0075	0.031	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	0.00021	0.063	< 0.634	< 0.0025	< 0.0020	
8/5/2024	1.9	45	200	0.54	8.71	220	800	< 0.0030	0.010	0.042	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.073	< 0.578	< 0.0025	< 0.0020		
11/4/2024	2.2	40	220	0.59	9.01	230	810	< 0.0030	0.010	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.080	0.726	< 0.0025	< 0.0020		
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	< 0.003	0.015	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.068	1.341	< 0.0025	< 0.002	
	2/16/2016	3.6	150	240	0.79	7.29	290	950	< 0.003	0.014	0.098	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.075	0.952	< 0.0025	< 0.002	
	5/25/2016	3.6	120	140	0.83	7.26	260	1000	< 0.003	0.034	0.096	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00055	0.016	< 0.0002	0.065	0.51	< 0.0025	< 0.002	
	8/10/2016	4.3	150	120	0.78	7.22	230	970	< 0.003	0.017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.082	0.864	< 0.0025	< 0.002	
	10/26/2016	3.0	160	74	0.52	7.30	220	1000	< 0.003	0.022	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.030	0.458	< 0.0025	< 0.002	
	2/2/2017	3.7	180	81	0.54	7.16	160	930	< 0.003	0.05	0.14	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0013	0.02	^ < 0.0002	0.031	< 0.464	< 0.0025	< 0.002	
	5/10/2017	3.0	150	100	0.44	7.83	340	860	< 0.003	0.02	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.066	0.882	< 0.0025	< 0.002	
	6/27/2017	2.8	130	110	0.67	7.49	250	930	< 0.003	0.0072	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.080	0.953	< 0.0025	< 0.002	
	9/7/2017	2.8	120	120	0.77	7.37	290	920	< 0.003	0.0076	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	0.00058	0.096	0.921	< 0.0025	< 0.002	
	11/15/2017	4.1	140	120	0.77	7.10	270	1000	< 0.003	0.015	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.071	0.893	< 0.0025	< 0.002	
	5/1/2018	3.2	150	130	0.65	7.31	280	990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	2.5	110	140	0.89	7.60	200	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.8	100	140	0.82	7.53	260	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	3.7	120	110	0.93	7.21	190	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/2020	2.3	100	170	0.90	7.29	280	850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.7	130	140	0.87																		

Table 2. Groundwater Turbidity - Ponds 2S and 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
	9/24/2021	3.59
	11/23/2021	4.45
	2/24/2022	0.37
	6/16/2022	1.76
	8/25/2022	2.99
	11/15/2022	38.9
	2/23/2023	2.18
	4/26/2023	1.6
	7/26/2023	7.1
	10/24/2023	0.80
	2/7/2024	0.82
	5/8/2024	6.47
	8/6/2024	0.31
	11/5/2024	1.22
MW-06	2/23/2021	0.31
	4/10/2021	11.17
	4/25/2021	15.04
	5/24/2021	5.18
	6/11/2021	2.96
	6/29/2021	4.06
	7/12/2021	6.43
	8/4/2021	3.5
	8/24/2021	7.0
	9/24/2021	4.2
	11/23/2021	6.38
	2/22/2022	0.47
	6/14/2022	3.87
	8/25/2022	2.6
	11/16/2022	8.12
	2/23/2023	10.08
	4/26/2023	47.6
	7/26/2023	3.7
	10/24/2023	0.80
	2/7/2024	5.24
	5/8/2024	13.11
	8/6/2024	1.49
	11/5/2024	2.79
MW-09	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0.0
	8/25/2021	19.9
	9/24/2021	3.67
	11/23/2021	19.07
	2/22/2022	0.59
	6/15/2022	113.77
	8/25/2022	1.93
	11/16/2022	11.73
	2/23/2023	10.34
	4/27/2023	2.9
	7/26/2023	6.5
	10/24/2023	9.5
	2/7/2024	9.3
	5/8/2024	8.9
	8/5/2024	2.67
	11/4/2024	30.58
MW-10	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	23.45
	8/4/2021	47.68
	8/26/2021	27.5
	9/24/2021	542
	11/23/2021	312.08
	2/24/2022	72.18
	6/14/2022	55.5
	8/25/2022	8.83
	11/16/2022	32.4
	2/23/2023	53.32
	4/26/2023	85.3
	7/26/2023	1.4
	10/24/2023	5.4
	2/7/2024	75.44
	5/8/2024	31.63
	8/5/2024	3.98
	11/4/2024	9.83

Table 2. Groundwater Turbidity - Ponds 2S and 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-11	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
	11/23/2021	1.85
	2/23/2022	162.43
	6/13/2022	27.05
	8/23/2022	10.9
	11/16/2022	60.3
	2/21/2023	51.3
	4/25/2023	56.6
	7/25/2023	1.0
	10/19/2023	3.90
	2/5/2024	39.20
	5/6/2024	42.41
	8/1/2024	13.58
	11/1/2024	4.02
	MW-12	4/10/2021
4/25/2021		15.04
5/25/2021		28.65
6/11/2021		6.1
6/29/2021		13.04
7/12/2021		12.99
8/4/2021		11.97
8/26/2021		10.9
9/24/2021		11.97
11/23/2021		3.88
2/24/2022		82.8
6/13/2022		4.24
8/23/2022		7.35
11/16/2022		2.85
2/21/2023		1.82
4/25/2023		2.1
7/25/2023		6.8
10/19/2023		3.00
2/5/2024		2.96
5/6/2024		8.31
8/1/2024		4.12
11/1/2024		1.61

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

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

Generated 11/25/2024 5:11:53 PM

JOB DESCRIPTION

Will County CCR

JOB NUMBER

500-259529-1

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Job Notes

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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



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11/25/2024 5:11:53 PM

Authorized for release by
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Case Narrative

Client: Midwest Generation EME LLC
Project: Will County CCR

Job ID: 500-259529-1

Job ID: 500-259529-1

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Job Narrative 500-259529-1

Receipt

The samples were received on 11/4/2024 4:25 PM and 11/6/2024 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.9°C, 2.7°C, 3.9°C, 4.1°C and 5.4°C.

Metals

Method 6020B - Total Recoverable: The following samples were diluted to mitigate any potential carry-over from high concentrations of Boron: MW-09 (500-259529-1), MW-10 (500-259529-2), MW-11 (500-259529-3), MW-12 (500-259529-4), 2S/3S Duplicate (500-259529-5), MW-17 (500-259529-7), MW-05 (500-259529-8) and MW-06 (500-259529-9). Elevated reporting limits (RLs) are provided.

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

General Chemistry

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: Will County CCR

Job ID: 500-259529-1

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: Will County CCR

Job ID: 500-259529-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259529-1	MW-09	Water	11/04/24 09:40	11/04/24 16:25
500-259529-2	MW-10	Water	11/04/24 08:42	11/04/24 16:25
500-259529-3	MW-11	Water	11/01/24 14:35	11/04/24 16:25
500-259529-4	MW-12	Water	11/01/24 12:11	11/04/24 16:25
500-259529-5	2S/3S Duplicate	Water	11/01/24 00:00	11/04/24 16:25
500-259529-6	MW-16	Water	11/01/24 13:33	11/04/24 16:25
500-259529-7	MW-17	Water	11/01/24 11:04	11/04/24 16:25
500-259529-8	MW-05	Water	11/05/24 09:47	11/06/24 08:35
500-259529-9	MW-06	Water	11/05/24 08:51	11/06/24 08:35

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Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-09
Date Collected: 11/04/24 09:40
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-1
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		11/22/24 06:45	11/22/24 17:50	1
Arsenic	0.010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:50	1
Barium	0.037		0.0025		mg/L		11/22/24 06:45	11/22/24 17:50	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:50	1
Boron	2.2		0.25		mg/L		11/22/24 06:45	11/25/24 12:15	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:50	1
Calcium	40		0.20		mg/L		11/22/24 06:45	11/22/24 17:50	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 17:50	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:50	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:50	1
Lithium	<0.010		0.010		mg/L		11/22/24 06:45	11/22/24 17:50	1
Molybdenum	0.080		0.0050		mg/L		11/22/24 06:45	11/22/24 17:50	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 17:50	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 17:50	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 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	220		10		mg/L			11/19/24 18:51	10
Sulfate (EPA 300.0)	230		10		mg/L			11/19/24 18:51	10
Total Dissolved Solids (SM 2540C)	810		10		mg/L			11/08/24 00:46	1
Fluoride (SM 4500 F C)	0.59		0.10		mg/L			11/20/24 19:06	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-10
Date Collected: 11/04/24 08:42
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-2
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		11/22/24 06:45	11/22/24 17:53	1
Arsenic	0.013		0.0010		mg/L		11/22/24 06:45	11/22/24 17:53	1
Barium	0.098		0.0025		mg/L		11/22/24 06:45	11/22/24 17:53	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:53	1
Boron	3.3		0.25		mg/L		11/22/24 06:45	11/25/24 12:18	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:53	1
Calcium	120		0.20		mg/L		11/22/24 06:45	11/22/24 17:53	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 17:53	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:53	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:53	1
Lithium	0.017		0.010		mg/L		11/22/24 06:45	11/22/24 17:53	1
Molybdenum	0.11		0.0050		mg/L		11/22/24 06:45	11/22/24 17:53	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 17:53	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 17:53	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 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		10		mg/L			11/19/24 19:07	10
Sulfate (EPA 300.0)	260		10		mg/L			11/19/24 19:07	10
Total Dissolved Solids (SM 2540C)	910		10		mg/L			11/08/24 00:49	1
Fluoride (SM 4500 F C)	0.84		0.10		mg/L			11/20/24 19:10	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-11
Date Collected: 11/01/24 14:35
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-3
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		11/22/24 06:45	11/22/24 17:55	1
Arsenic	0.0073		0.0010		mg/L		11/22/24 06:45	11/22/24 17:55	1
Barium	0.16		0.0025		mg/L		11/22/24 06:45	11/22/24 17:55	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:55	1
Boron	3.2		0.25		mg/L		11/22/24 06:45	11/25/24 12:25	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:55	1
Calcium	110		0.20		mg/L		11/22/24 06:45	11/22/24 17:55	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 17:55	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:55	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:55	1
Lithium	<0.010		0.010		mg/L		11/22/24 06:45	11/22/24 17:55	1
Molybdenum	0.042		0.0050		mg/L		11/22/24 06:45	11/22/24 17:55	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 17:55	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 17:55	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 18:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		5.0		mg/L			11/19/24 19:22	5
Sulfate (EPA 300.0)	71		5.0		mg/L			11/19/24 19:22	5
Total Dissolved Solids (SM 2540C)	760		10		mg/L			11/07/24 02:54	1
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			11/20/24 20:15	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-12
Date Collected: 11/01/24 12:11
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-4
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		11/22/24 06:45	11/22/24 17:57	1
Arsenic	0.0012		0.0010		mg/L		11/22/24 06:45	11/22/24 17:57	1
Barium	0.16		0.0025		mg/L		11/22/24 06:45	11/22/24 17:57	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:57	1
Boron	2.5		0.25		mg/L		11/22/24 06:45	11/25/24 12:27	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:57	1
Calcium	190		0.20		mg/L		11/22/24 06:45	11/22/24 17:57	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 17:57	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 17:57	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 17:57	1
Lithium	0.017		0.010		mg/L		11/22/24 06:45	11/22/24 17:57	1
Molybdenum	0.028		0.0050		mg/L		11/22/24 06:45	11/22/24 17:57	1
Selenium	0.0068		0.0025		mg/L		11/22/24 06:45	11/22/24 17:57	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 17:57	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 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	210		10		mg/L			11/19/24 20:09	10
Sulfate (EPA 300.0)	200		10		mg/L			11/19/24 20:09	10
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			11/07/24 02:56	1
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			11/20/24 20:20	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-259529-5

Date Collected: 11/01/24 00:00

Matrix: Water

Date Received: 11/04/24 16:25

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		11/22/24 06:45	11/22/24 18:00	1
Arsenic	0.0013		0.0010		mg/L		11/22/24 06:45	11/22/24 18:00	1
Barium	0.16		0.0025		mg/L		11/22/24 06:45	11/22/24 18:00	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:00	1
Boron	2.5		0.25		mg/L		11/22/24 06:45	11/25/24 12:29	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:00	1
Calcium	190		0.20		mg/L		11/22/24 06:45	11/22/24 18:00	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 18:00	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:00	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:00	1
Lithium	0.017		0.010		mg/L		11/22/24 06:45	11/22/24 18:00	1
Molybdenum	0.028		0.0050		mg/L		11/22/24 06:45	11/22/24 18:00	1
Selenium	0.0080		0.0025		mg/L		11/22/24 06:45	11/22/24 18:00	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 18:00	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 18:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	210		10		mg/L			11/19/24 20:24	10
Sulfate (EPA 300.0)	200		10		mg/L			11/19/24 20:24	10
Total Dissolved Solids (SM 2540C)	1200		10		mg/L			11/07/24 02:59	1
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			11/20/24 20:25	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-16
Date Collected: 11/01/24 13:33
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-6
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		11/22/24 06:45	11/22/24 18:02	1
Arsenic	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:02	1
Barium	0.076		0.0025		mg/L		11/22/24 06:45	11/22/24 18:02	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:02	1
Boron	0.80		0.050		mg/L		11/22/24 06:45	11/25/24 12:32	1
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:02	1
Calcium	120		0.20		mg/L		11/22/24 06:45	11/22/24 18:02	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 18:02	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:02	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:02	1
Lithium	0.015		0.010		mg/L		11/22/24 06:45	11/22/24 18:02	1
Molybdenum	0.022		0.0050		mg/L		11/22/24 06:45	11/22/24 18:02	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 18:02	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 18:02	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 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	140		10		mg/L			11/19/24 20:40	10
Sulfate (EPA 300.0)	120		10		mg/L			11/19/24 20:40	10
Total Dissolved Solids (SM 2540C)	950		10		mg/L			11/07/24 03:01	1
Fluoride (SM 4500 F C)	0.34		0.10		mg/L			11/20/24 20:41	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-17
Date Collected: 11/01/24 11:04
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-7
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		11/22/24 06:45	11/22/24 18:09	1
Arsenic	0.0067		0.0010		mg/L		11/22/24 06:45	11/22/24 18:09	1
Barium	0.055		0.0025		mg/L		11/22/24 06:45	11/22/24 18:09	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:09	1
Boron	3.0		0.25		mg/L		11/22/24 06:45	11/25/24 12:34	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:09	1
Calcium	65		0.20		mg/L		11/22/24 06:45	11/22/24 18:09	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 18:09	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:09	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:09	1
Lithium	0.019		0.010		mg/L		11/22/24 06:45	11/22/24 18:09	1
Molybdenum	0.13		0.0050		mg/L		11/22/24 06:45	11/22/24 18:09	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 18:09	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 18:09	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 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		10		mg/L			11/19/24 20:56	10
Sulfate (EPA 300.0)	330		10		mg/L			11/19/24 20:56	10
Total Dissolved Solids (SM 2540C)	850		10		mg/L			11/07/24 03:04	1
Fluoride (SM 4500 F C)	0.76		0.10		mg/L			11/20/24 20:47	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-05

Lab Sample ID: 500-259529-8

Date Collected: 11/05/24 09:47

Matrix: Water

Date Received: 11/06/24 08:35

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		11/22/24 06:45	11/22/24 18:12	1
Arsenic	0.0020		0.0010		mg/L		11/22/24 06:45	11/22/24 18:12	1
Barium	0.056		0.0025		mg/L		11/22/24 06:45	11/22/24 18:12	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:12	1
Boron	5.8		0.25		mg/L		11/22/24 06:45	11/25/24 12:37	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:12	1
Calcium	110		0.20		mg/L		11/22/24 06:45	11/22/24 18:12	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 18:12	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:12	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:12	1
Lithium	0.015		0.010		mg/L		11/22/24 06:45	11/22/24 18:12	1
Molybdenum	0.067		0.0050		mg/L		11/22/24 06:45	11/22/24 18:12	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 18:12	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 18:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/24 09:30	11/20/24 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	30		20		mg/L			11/19/24 21:11	20
Sulfate (EPA 300.0)	410		20		mg/L			11/19/24 21:11	20
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			11/11/24 00:50	1
Fluoride (SM 4500 F C)	0.58		0.10		mg/L			11/20/24 20:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-06
Date Collected: 11/05/24 08:51
Date Received: 11/06/24 08:35

Lab Sample ID: 500-259529-9
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		11/22/24 06:45	11/22/24 18:26	1
Arsenic	0.0019		0.0010		mg/L		11/22/24 06:45	11/22/24 18:26	1
Barium	0.10		0.0025		mg/L		11/22/24 06:45	11/22/24 18:26	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:26	1
Boron	2.8		0.25		mg/L		11/22/24 06:45	11/25/24 12:39	5
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:26	1
Calcium	120		0.20		mg/L		11/22/24 06:45	11/22/24 18:26	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 18:26	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 18:26	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 18:26	1
Lithium	0.017		0.010		mg/L		11/22/24 06:45	11/22/24 18:26	1
Molybdenum	0.020		0.0050		mg/L		11/22/24 06:45	11/22/24 18:26	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 18:26	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 18:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/24 09:30	11/20/24 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	11		10		mg/L			11/19/24 21:27	10
Sulfate (EPA 300.0)	160		10		mg/L			11/19/24 21:27	10
Total Dissolved Solids (SM 2540C)	720		10		mg/L			11/11/24 00:52	1
Fluoride (SM 4500 F C)	0.42		0.10		mg/L			11/20/24 20:59	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-259529-1

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: Will County CCR

Job ID: 500-259529-1

Metals

Prep Batch: 796023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	7470A	
500-259529-2	MW-10	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	

Prep Batch: 796024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-3	MW-11	Total/NA	Water	7470A	
500-259529-4	MW-12	Total/NA	Water	7470A	
500-259529-5	2S/3S Duplicate	Total/NA	Water	7470A	
500-259529-6	MW-16	Total/NA	Water	7470A	
500-259529-7	MW-17	Total/NA	Water	7470A	
MB 500-796024/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-796024/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-259529-3 MS	MW-11	Total/NA	Water	7470A	
500-259529-3 MSD	MW-11	Total/NA	Water	7470A	
500-259529-3 DU	MW-11	Total/NA	Water	7470A	

Prep Batch: 796123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-8	MW-05	Total/NA	Water	7470A	
500-259529-9	MW-06	Total/NA	Water	7470A	
MB 500-796123/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-796123/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 796189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	7470A	796023
500-259529-2	MW-10	Total/NA	Water	7470A	796023
500-259529-3	MW-11	Total/NA	Water	7470A	796024
500-259529-4	MW-12	Total/NA	Water	7470A	796024
500-259529-5	2S/3S Duplicate	Total/NA	Water	7470A	796024
500-259529-6	MW-16	Total/NA	Water	7470A	796024
500-259529-7	MW-17	Total/NA	Water	7470A	796024
MB 500-796023/12-A	Method Blank	Total/NA	Water	7470A	796023
MB 500-796024/12-A	Method Blank	Total/NA	Water	7470A	796024
LCS 500-796023/13-A	Lab Control Sample	Total/NA	Water	7470A	796023
LCS 500-796024/13-A	Lab Control Sample	Total/NA	Water	7470A	796024
500-259529-3 MS	MW-11	Total/NA	Water	7470A	796024
500-259529-3 MSD	MW-11	Total/NA	Water	7470A	796024
500-259529-3 DU	MW-11	Total/NA	Water	7470A	796024

Analysis Batch: 796326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-8	MW-05	Total/NA	Water	7470A	796123
500-259529-9	MW-06	Total/NA	Water	7470A	796123
MB 500-796123/12-A	Method Blank	Total/NA	Water	7470A	796123
LCS 500-796123/13-A	Lab Control Sample	Total/NA	Water	7470A	796123

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-259529-1

Metals

Prep Batch: 796509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total Recoverable	Water	3005A	
500-259529-2	MW-10	Total Recoverable	Water	3005A	
500-259529-3	MW-11	Total Recoverable	Water	3005A	
500-259529-4	MW-12	Total Recoverable	Water	3005A	
500-259529-5	2S/3S Duplicate	Total Recoverable	Water	3005A	
500-259529-6	MW-16	Total Recoverable	Water	3005A	
500-259529-7	MW-17	Total Recoverable	Water	3005A	
500-259529-8	MW-05	Total Recoverable	Water	3005A	
500-259529-9	MW-06	Total Recoverable	Water	3005A	
MB 500-796509/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-796509/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 796821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total Recoverable	Water	6020B	796509
500-259529-2	MW-10	Total Recoverable	Water	6020B	796509
500-259529-3	MW-11	Total Recoverable	Water	6020B	796509
500-259529-4	MW-12	Total Recoverable	Water	6020B	796509
500-259529-5	2S/3S Duplicate	Total Recoverable	Water	6020B	796509
500-259529-6	MW-16	Total Recoverable	Water	6020B	796509
500-259529-7	MW-17	Total Recoverable	Water	6020B	796509
500-259529-8	MW-05	Total Recoverable	Water	6020B	796509
500-259529-9	MW-06	Total Recoverable	Water	6020B	796509
MB 500-796509/1-A	Method Blank	Total Recoverable	Water	6020B	796509
LCS 500-796509/2-A	Lab Control Sample	Total Recoverable	Water	6020B	796509

Analysis Batch: 796945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total Recoverable	Water	6020B	796509
500-259529-2	MW-10	Total Recoverable	Water	6020B	796509
500-259529-3	MW-11	Total Recoverable	Water	6020B	796509
500-259529-4	MW-12	Total Recoverable	Water	6020B	796509
500-259529-5	2S/3S Duplicate	Total Recoverable	Water	6020B	796509
500-259529-6	MW-16	Total Recoverable	Water	6020B	796509
500-259529-7	MW-17	Total Recoverable	Water	6020B	796509
500-259529-8	MW-05	Total Recoverable	Water	6020B	796509
500-259529-9	MW-06	Total Recoverable	Water	6020B	796509

General Chemistry

Analysis Batch: 794246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-3	MW-11	Total/NA	Water	SM 2540C	
500-259529-4	MW-12	Total/NA	Water	SM 2540C	
500-259529-5	2S/3S Duplicate	Total/NA	Water	SM 2540C	
500-259529-6	MW-16	Total/NA	Water	SM 2540C	
500-259529-7	MW-17	Total/NA	Water	SM 2540C	
MB 500-794246/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-794246/2	Lab Control Sample	Total/NA	Water	SM 2540C	

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-259529-1

General Chemistry

Analysis Batch: 794440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	SM 2540C	
500-259529-2	MW-10	Total/NA	Water	SM 2540C	
MB 500-794440/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-794440/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 794697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-8	MW-05	Total/NA	Water	SM 2540C	
500-259529-9	MW-06	Total/NA	Water	SM 2540C	
MB 500-794697/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-794697/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 796079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	300.0	
500-259529-2	MW-10	Total/NA	Water	300.0	
500-259529-3	MW-11	Total/NA	Water	300.0	
500-259529-4	MW-12	Total/NA	Water	300.0	
500-259529-5	2S/3S Duplicate	Total/NA	Water	300.0	
500-259529-6	MW-16	Total/NA	Water	300.0	
500-259529-7	MW-17	Total/NA	Water	300.0	
500-259529-8	MW-05	Total/NA	Water	300.0	
500-259529-9	MW-06	Total/NA	Water	300.0	
MB 500-796079/3	Method Blank	Total/NA	Water	300.0	
LCS 500-796079/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 796396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	SM 4500 F C	
500-259529-2	MW-10	Total/NA	Water	SM 4500 F C	
500-259529-3	MW-11	Total/NA	Water	SM 4500 F C	
500-259529-4	MW-12	Total/NA	Water	SM 4500 F C	
500-259529-5	2S/3S Duplicate	Total/NA	Water	SM 4500 F C	
500-259529-6	MW-16	Total/NA	Water	SM 4500 F C	
500-259529-7	MW-17	Total/NA	Water	SM 4500 F C	
500-259529-8	MW-05	Total/NA	Water	SM 4500 F C	
500-259529-9	MW-06	Total/NA	Water	SM 4500 F C	
MB 500-796396/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-796396/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-796509/1-A
Matrix: Water
Analysis Batch: 796821

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 796509

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/22/24 06:45	11/22/24 16:55	1
Arsenic	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 16:55	1
Barium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 16:55	1
Beryllium	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 16:55	1
Boron	<0.050		0.050		mg/L		11/22/24 06:45	11/22/24 16:55	1
Cadmium	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 16:55	1
Calcium	<0.20		0.20		mg/L		11/22/24 06:45	11/22/24 16:55	1
Chromium	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 16:55	1
Cobalt	<0.0010		0.0010		mg/L		11/22/24 06:45	11/22/24 16:55	1
Lead	<0.00050		0.00050		mg/L		11/22/24 06:45	11/22/24 16:55	1
Lithium	<0.010		0.010		mg/L		11/22/24 06:45	11/22/24 16:55	1
Molybdenum	<0.0050		0.0050		mg/L		11/22/24 06:45	11/22/24 16:55	1
Selenium	<0.0025		0.0025		mg/L		11/22/24 06:45	11/22/24 16:55	1
Thallium	<0.0020		0.0020		mg/L		11/22/24 06:45	11/22/24 16:55	1

Lab Sample ID: LCS 500-796509/2-A
Matrix: Water
Analysis Batch: 796821

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 796509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.530		mg/L		106	80 - 120
Arsenic	0.100	0.0990		mg/L		99	80 - 120
Barium	0.500	0.507		mg/L		101	80 - 120
Beryllium	0.0500	0.0483		mg/L		97	80 - 120
Boron	1.00	0.953		mg/L		95	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	10.0	8.50		mg/L		85	80 - 120
Chromium	0.200	0.199		mg/L		99	80 - 120
Cobalt	0.500	0.521		mg/L		104	80 - 120
Lead	0.100	0.0983		mg/L		98	80 - 120
Lithium	0.100	0.0962		mg/L		96	80 - 120
Molybdenum	1.00	0.977		mg/L		98	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Thallium	0.100	0.0996		mg/L		100	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: Will County CCR

Job ID: 500-259529-1

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: MB 500-796024/12-A
Matrix: Water
Analysis Batch: 796189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 796024

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 18:06	1

Lab Sample ID: LCS 500-796024/13-A
Matrix: Water
Analysis Batch: 796189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 796024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00213		mg/L		107	80 - 120

Lab Sample ID: 500-259529-3 MS
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 796024

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.00116		mg/L		97	75 - 125

Lab Sample ID: 500-259529-3 MSD
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 796024

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.00109		mg/L		90	75 - 125	6	20

Lab Sample ID: 500-259529-3 DU
Matrix: Water
Analysis Batch: 796189

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 796024

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

Lab Sample ID: MB 500-796123/12-A
Matrix: Water
Analysis Batch: 796326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 796123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/24 09:30	11/20/24 14:40	1

Lab Sample ID: LCS 500-796123/13-A
Matrix: Water
Analysis Batch: 796326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 796123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00203		mg/L		102	80 - 120

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Will County CCR

Job ID: 500-259529-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-796079/3
Matrix: Water
Analysis Batch: 796079

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			11/19/24 17:02	1
Sulfate	<1.0		1.0		mg/L			11/19/24 17:02	1

Lab Sample ID: LCS 500-796079/4
Matrix: Water
Analysis Batch: 796079

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	19.8		mg/L		99	90 - 110
Sulfate	20.0	20.8		mg/L		104	90 - 110

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

Lab Sample ID: MB 500-794246/1
Matrix: Water
Analysis Batch: 794246

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			11/07/24 02:05	1

Lab Sample ID: LCS 500-794246/2
Matrix: Water
Analysis Batch: 794246

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	258		mg/L		103	80 - 120

Lab Sample ID: MB 500-794440/1
Matrix: Water
Analysis Batch: 794440

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			11/07/24 23:50	1

Lab Sample ID: LCS 500-794440/2
Matrix: Water
Analysis Batch: 794440

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	248		mg/L		99	80 - 120

Lab Sample ID: MB 500-794697/1
Matrix: Water
Analysis Batch: 794697

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			11/11/24 00:09	1

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

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

Lab Sample ID: LCS 500-794697/2
 Matrix: Water
 Analysis Batch: 794697

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	256		mg/L		102	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-796396/31
 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 18:53	1

Lab Sample ID: LCS 500-796396/32
 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	10.3		mg/L		103	90 - 119


Chain of Custody Record

Client Information		Sampler: <u>Tim Stohner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-129758-48726 1																						
Client Contact: Mr Tim Stohner		Phone: <u>630 290 6850</u>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin:		Page 1 of 1																						
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: <u>500-259529</u>																				
Address: 414 Plaza Drive Suite 106		Due Date Requested		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>903.0, 904.0</th> <th>6010C, 6020A, 7470A</th> <th>2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E</th> <th colspan="5">Total Number of Containers</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Field Filtered Sample (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E	Total Number of Containers															Preservation Codes: D HNO3 N None	
Field Filtered Sample (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E							Total Number of Containers																				
City: Westmont		TAT Requested (days)								Other:																				
State Zip: IL, 60559		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No		Special Instructions/Note:																										
Phone: 500-259529 COC		PO #: 4502116506		Project #: 50011609		WO #:		SSOW#:																						
Email: tims@kprginc.com		Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring <u>CCR</u>		Site: Illinois																										
		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)																						
Sample Identification																														
						Preservation Code:		D D N																						
MW-05		—		—		Water																								
MW-06		—		—		Water																								
MW-09		11-4-24		09:40		G		Water																						
MW-10		11-4-24		08:42		G		Water																						
MW-11		11-1-24		14:35		G		Water																						
MW-12		11-1-24		12:11		G		Water																						
2S/3S Duplicate		11-1-24		—		G		Water																						
MW-16		11-1-24		13:33		G		Water																						
MW-17		11-1-24		11:04		G		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: <u>[Signature]</u>		Date/Time: 11-4-24 16:25		Company: KPRG		Received by: <u>[Signature]</u>		Date/Time: 11/4/24 16:25																						
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:																						
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:																						
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>20-21.4, 40-23.9, 55-75.4</u>																										

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Chain of Custody Record

Client Information		Sampler <i>IAN JOHN HOWISON</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-129758-48726 1	
Client Contact Mr Tim Stohner		Phone <i>630 290 6250</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin		Page Page 1 of 1	
Company KPRG and Associates, Inc				PWSID		Analysis Requested			
Address 414 Plaza Drive Suite 106		Due Date Requested		Field Filtered Sample (Yes or No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_C_E, SM4500_S04_E		Total Number of Containers		Job # <i>500-259529</i>	
City Westmont		TAT Requested (days)						Preservation Codes D HNO3 N None	
State Zip IL, 60559		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No						 500-259529 COC	
Phone		PO # 4502116506							
Email tims@kprginc.com		WO #							
Project Name Will County 2S/3S Event Desc Quarterly GW Monitoring <i>CCR</i>				Project # 50011609		Other		Special Instructions/Note	
Site Illinois				SSOW#					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	D	D	N
<i>8</i> MW-05		<i>11-5-24</i>	<i>09:47</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>	<i>X</i>	<i>X</i>
<i>9</i> MW-06		<i>11-5-24</i>	<i>08:51</i>	<i>G</i>	Water	<i>N</i>	<i>N</i>	<i>X</i>	<i>X</i>
MW-09		—	—	—	Water				
MW-10		—	—	—	Water				
MW-11		—	—	—	Water				
MW-12		—	—	—	Water				
2S/3S Duplicate		—	—	—	Water				
MW-16		—	—	—	Water				
MW-17		—	—	—	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>11-6-24 08:35</i>		Company <i>KPRG</i>		Received by <i>[Signature]</i>		Date/Time <i>11/6/24 08:35</i>
Relinquished by			Date/Time		Company		Received by		Date/Time
Relinquished by			Date/Time		Company		Received by		Date/Time
Custody Seats Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>2 @ +2.7, 4 @ +4.1</i>					

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Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-259529-1

Login Number: 259529

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

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	1.9,3.9,5.4,2.7,4.1
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: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-09
Date Collected: 11/04/24 09:40
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 17:50
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:15
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 18:02
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 18:51
Total/NA	Analysis	SM 2540C		1	794440	CLB	EET CHI	11/08/24 00:46
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 19:06

Client Sample ID: MW-10
Date Collected: 11/04/24 08:42
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 17:53
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:18
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 18:04
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 19:07
Total/NA	Analysis	SM 2540C		1	794440	CLB	EET CHI	11/08/24 00:49
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 19:10

Client Sample ID: MW-11
Date Collected: 11/01/24 14:35
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 17:55
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:25
Total/NA	Prep	7470A			796024	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 18:09
Total/NA	Analysis	300.0		5	796079	MM	EET CHI	11/19/24 19:22
Total/NA	Analysis	SM 2540C		1	794246	CLB	EET CHI	11/07/24 02:54
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:15

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-12
Date Collected: 11/01/24 12:11
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 17:57
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:27
Total/NA	Prep	7470A			796024	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 18:21
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 20:09
Total/NA	Analysis	SM 2540C		1	794246	CLB	EET CHI	11/07/24 02:56
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:20

Client Sample ID: 2S/3S Duplicate
Date Collected: 11/01/24 00:00
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 18:00
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:29
Total/NA	Prep	7470A			796024	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 18:23
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 20:24
Total/NA	Analysis	SM 2540C		1	794246	CLB	EET CHI	11/07/24 02:59
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:25

Client Sample ID: MW-16
Date Collected: 11/01/24 13:33
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 18:02
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796945	RN	EET CHI	11/25/24 12:32
Total/NA	Prep	7470A			796024	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 18:24
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 20:40
Total/NA	Analysis	SM 2540C		1	794246	CLB	EET CHI	11/07/24 03:01
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:41

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR

Job ID: 500-259529-1

Client Sample ID: MW-17
Date Collected: 11/01/24 11:04
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 18:09
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:34
Total/NA	Prep	7470A			796024	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 18:26
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 20:56
Total/NA	Analysis	SM 2540C		1	794246	CLB	EET CHI	11/07/24 03:04
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:47

Client Sample ID: MW-05
Date Collected: 11/05/24 09:47
Date Received: 11/06/24 08:35

Lab Sample ID: 500-259529-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 18:12
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:37
Total/NA	Prep	7470A			796123	S1Z	EET CHI	11/20/24 09:30 - 11/20/24 11:30 ¹
Total/NA	Analysis	7470A		1	796326	S1Z	EET CHI	11/20/24 14:44
Total/NA	Analysis	300.0		20	796079	MM	EET CHI	11/19/24 21:11
Total/NA	Analysis	SM 2540C		1	794697	CLB	EET CHI	11/11/24 00:50
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:52

Client Sample ID: MW-06
Date Collected: 11/05/24 08:51
Date Received: 11/06/24 08:35

Lab Sample ID: 500-259529-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		1	796821	RN	EET CHI	11/22/24 18:26
Total Recoverable	Prep	3005A			796509	DAJ	EET CHI	11/22/24 06:45 - 11/22/24 12:45 ¹
Total Recoverable	Analysis	6020B		5	796945	RN	EET CHI	11/25/24 12:39
Total/NA	Prep	7470A			796123	S1Z	EET CHI	11/20/24 09:30 - 11/20/24 11:30 ¹
Total/NA	Analysis	7470A		1	796326	S1Z	EET CHI	11/20/24 14:46
Total/NA	Analysis	300.0		10	796079	MM	EET CHI	11/19/24 21:27
Total/NA	Analysis	SM 2540C		1	794697	CLB	EET CHI	11/11/24 00:52
Total/NA	Analysis	SM 4500 F C		1	796396	SO	EET CHI	11/20/24 20:59

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 12/10/2024 9:56:16 AM

JOB DESCRIPTION

Will County CCR (RAD)

JOB NUMBER

500-259529-2

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
12/10/2024 9:56:16 AM

Authorized for release by
Diana Mockler, Project Manager I
Diana.Mockler@et.eurofinsus.com
(219)252-7570

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Case Narrative

Client: Midwest Generation EME LLC
Project: Will County CCR (RAD)

Job ID: 500-259529-2

Job ID: 500-259529-2

Eurofins Chicago

Job Narrative 500-259529-2

Receipt

The samples were received on 11/4/2024 4:25 PM and 11/6/2024 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.9°C, 2.7°C, 3.9°C, 4.1°C and 5.4°C.

Gas Flow Proportional Counter

Method 904.0: Radium 228 batch 687303

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: MW-17 (500-259529-7). Analytical results are reported with the detection limit achieved.

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

Rad

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

Eurofins Chicago

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

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: Will County CCR (RAD)

Job ID: 500-259529-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-259529-1	MW-09	Water	11/04/24 09:40	11/04/24 16:25
500-259529-2	MW-10	Water	11/04/24 08:42	11/04/24 16:25
500-259529-3	MW-11	Water	11/01/24 14:35	11/04/24 16:25
500-259529-4	MW-12	Water	11/01/24 12:11	11/04/24 16:25
500-259529-5	2S/3S Duplicate	Water	11/01/24 00:00	11/04/24 16:25
500-259529-6	MW-16	Water	11/01/24 13:33	11/04/24 16:25
500-259529-7	MW-17	Water	11/01/24 11:04	11/04/24 16:25
500-259529-8	MW-05	Water	11/05/24 09:47	11/06/24 08:35
500-259529-9	MW-06	Water	11/05/24 08:51	11/06/24 08:35

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- 10
- 11
- 12
- 13

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-09

Lab Sample ID: 500-259529-1

Date Collected: 11/04/24 09:40

Matrix: Water

Date Received: 11/04/24 16:25

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	0.0914	U	0.0769	0.0773	1.00	0.112	pCi/L	11/07/24 08:36	12/01/24 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/07/24 08:36	12/01/24 14:49	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	0.635		0.391	0.396	1.00	0.563	pCi/L	11/07/24 08:40	11/25/24 12:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/07/24 08:40	11/25/24 12:00	1
Y Carrier	76.6		30 - 110					11/07/24 08:40	11/25/24 12:00	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	0.726		0.398	0.403	5.00	0.563	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-10
Date Collected: 11/04/24 08:42
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-2
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	0.199		0.0964	0.0981	1.00	0.108	pCi/L	11/07/24 08:36	12/01/24 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					11/07/24 08:36	12/01/24 14:49	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	0.587	U	0.477	0.480	1.00	0.745	pCi/L	11/07/24 08:40	11/25/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					11/07/24 08:40	11/25/24 11:59	1
Y Carrier	66.2		30 - 110					11/07/24 08:40	11/25/24 11:59	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	0.786		0.487	0.490	5.00	0.745	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-11

Lab Sample ID: 500-259529-3

Date Collected: 11/01/24 14:35

Matrix: Water

Date Received: 11/04/24 16:25

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	0.387		0.134	0.138	1.00	0.124	pCi/L	11/07/24 08:36	12/01/24 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					11/07/24 08:36	12/01/24 14:49	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	1.04		0.436	0.447	1.00	0.563	pCi/L	11/07/24 08:40	11/25/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					11/07/24 08:40	11/25/24 11:59	1
Y Carrier	86.4		30 - 110					11/07/24 08:40	11/25/24 11:59	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	1.43		0.456	0.468	5.00	0.563	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-12
Date Collected: 11/01/24 12:11
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-4
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	0.0769	U	0.0843	0.0846	1.00	0.135	pCi/L	11/07/24 08:36	12/01/24 14:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/07/24 08:36	12/01/24 14:49	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	0.700		0.445	0.449	1.00	0.667	pCi/L	11/07/24 08:40	11/25/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/07/24 08:40	11/25/24 11:59	1
Y Carrier	84.5		30 - 110					11/07/24 08:40	11/25/24 11:59	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	0.777		0.453	0.457	5.00	0.667	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-259529-5

Date Collected: 11/01/24 00:00

Matrix: Water

Date Received: 11/04/24 16:25

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	0.191		0.103	0.105	1.00	0.124	pCi/L	11/07/24 08:36	12/01/24 14:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/07/24 08:36	12/01/24 14:50	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	0.990		0.432	0.442	1.00	0.558	pCi/L	11/07/24 08:40	11/25/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/07/24 08:40	11/25/24 11:59	1
Y Carrier	82.6		30 - 110					11/07/24 08:40	11/25/24 11:59	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	1.18		0.444	0.454	5.00	0.558	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-16

Lab Sample ID: 500-259529-6

Date Collected: 11/01/24 13:33

Matrix: Water

Date Received: 11/04/24 16:25

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	0.797		0.173	0.187	1.00	0.101	pCi/L	11/07/24 08:36	12/01/24 14:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/07/24 08:36	12/01/24 14:50	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	1.20		0.519	0.530	1.00	0.719	pCi/L	11/07/24 08:40	11/25/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/07/24 08:40	11/25/24 11:59	1
Y Carrier	78.1		30 - 110					11/07/24 08:40	11/25/24 11:59	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	1.99		0.547	0.562	5.00	0.719	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-17
Date Collected: 11/01/24 11:04
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-7
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	0.573		0.246	0.251	1.00	0.283	pCi/L	11/07/24 08:36	12/01/24 14:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/07/24 08:36	12/01/24 14:54	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	1.73	G	0.876	0.890	1.00	1.23	pCi/L	11/07/24 08:40	11/25/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.6		30 - 110					11/07/24 08:40	11/25/24 11:56	1
Y Carrier	78.9		30 - 110					11/07/24 08:40	11/25/24 11:56	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	2.30		0.910	0.925	5.00	1.23	pCi/L		12/03/24 22:52	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-05
Date Collected: 11/05/24 09:47
Date Received: 11/06/24 08:35

Lab Sample ID: 500-259529-8
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	0.0308	U	0.0826	0.0826	1.00	0.152	pCi/L	11/08/24 08:28	12/02/24 20:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					11/08/24 08:28	12/02/24 20:57	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	0.529	U	0.437	0.440	1.00	0.676	pCi/L	11/08/24 08:30	11/26/24 15:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					11/08/24 08:30	11/26/24 15:06	1
Y Carrier	74.4		30 - 110					11/08/24 08:30	11/26/24 15:06	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	0.559	U	0.445	0.448	5.00	0.676	pCi/L		12/06/24 18:06	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-06
Date Collected: 11/05/24 08:51
Date Received: 11/06/24 08:35

Lab Sample ID: 500-259529-9
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	0.132	U	0.0948	0.0956	1.00	0.136	pCi/L	11/08/24 08:28	12/02/24 20:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					11/08/24 08:28	12/02/24 20:57	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	0.223	U	0.385	0.386	1.00	0.660	pCi/L	11/08/24 08:30	11/26/24 15:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					11/08/24 08:30	11/26/24 15:06	1
Y Carrier	79.6		30 - 110					11/08/24 08:30	11/26/24 15:06	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	0.355	U	0.396	0.398	5.00	0.660	pCi/L		12/06/24 18:06	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
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: Will County CCR (RAD)

Job ID: 500-259529-2

Rad

Prep Batch: 687302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	PrecSep-21	
500-259529-2	MW-10	Total/NA	Water	PrecSep-21	
500-259529-3	MW-11	Total/NA	Water	PrecSep-21	
500-259529-4	MW-12	Total/NA	Water	PrecSep-21	
500-259529-5	2S/3S Duplicate	Total/NA	Water	PrecSep-21	
500-259529-6	MW-16	Total/NA	Water	PrecSep-21	
500-259529-7	MW-17	Total/NA	Water	PrecSep-21	
MB 160-687302/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-687302/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-259529-1 DU	MW-09	Total/NA	Water	PrecSep-21	

Prep Batch: 687303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-1	MW-09	Total/NA	Water	PrecSep_0	
500-259529-2	MW-10	Total/NA	Water	PrecSep_0	
500-259529-3	MW-11	Total/NA	Water	PrecSep_0	
500-259529-4	MW-12	Total/NA	Water	PrecSep_0	
500-259529-5	2S/3S Duplicate	Total/NA	Water	PrecSep_0	
500-259529-6	MW-16	Total/NA	Water	PrecSep_0	
500-259529-7	MW-17	Total/NA	Water	PrecSep_0	
MB 160-687303/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-687303/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-259529-1 DU	MW-09	Total/NA	Water	PrecSep_0	

Prep Batch: 687522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-8	MW-05	Total/NA	Water	PrecSep-21	
500-259529-9	MW-06	Total/NA	Water	PrecSep-21	
MB 160-687522/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-687522/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-259529-8 DU	MW-05	Total/NA	Water	PrecSep-21	

Prep Batch: 687524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-259529-8	MW-05	Total/NA	Water	PrecSep_0	
500-259529-9	MW-06	Total/NA	Water	PrecSep_0	
MB 160-687524/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-687524/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-259529-8 DU	MW-05	Total/NA	Water	PrecSep_0	

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-687302/1-A
Matrix: Water
Analysis Batch: 691257

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 687302

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.01010	U	0.0574	0.0575	1.00	0.117	pCi/L	11/07/24 08:36	12/01/24 14:46	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					11/07/24 08:36	12/01/24 14:46	1
	81.3									

Lab Sample ID: LCS 160-687302/2-A
Matrix: Water
Analysis Batch: 691257

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 687302

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qual	Added	Result	Uncert. (2σ+/-)					
Radium-226			9.58	8.139	0.899	1.00	0.117	pCi/L	85	75 - 125
Carrier	LCS		Limits							
Ba Carrier	%Yield	LCS Qualifier	30 - 110							
	92.7									

Lab Sample ID: 500-259529-1 DU
Matrix: Water
Analysis Batch: 691257

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 687302

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.0914	U	0.1163		0.0821	1.00	0.109	pCi/L	0.16	1
Carrier	DU		Limits							
Ba Carrier	%Yield	DU Qualifier	30 - 110							
	86.6									

Lab Sample ID: MB 160-687522/1-A
Matrix: Water
Analysis Batch: 691381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 687522

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.01892	U	0.0430	0.0430	1.00	0.106	pCi/L	11/08/24 08:28	12/02/24 20:55	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	30 - 110					11/08/24 08:28	12/02/24 20:55	1
	94.4									

Lab Sample ID: LCS 160-687522/2-A
Matrix: Water
Analysis Batch: 691381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 687522

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	Result	LCS Qual	Added	Result	Uncert. (2σ+/-)					
Radium-226			9.58	10.17	1.11	1.00	0.167	pCi/L	106	75 - 125

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QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-687522/2-A
 Matrix: Water
 Analysis Batch: 691381

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 687522

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	86.6		30 - 110

Lab Sample ID: 500-259529-8 DU
 Matrix: Water
 Analysis Batch: 691381

Client Sample ID: MW-05
 Prep Type: Total/NA
 Prep Batch: 687522

Analyte	Sample		DU		Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.0308	U	0.02871	U	0.0637	1.00	0.116	pCi/L	0.01	1

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	91.9		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-687303/1-A
 Matrix: Water
 Analysis Batch: 690403

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 687303

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2452	U	0.334	0.335	1.00	0.561	pCi/L	11/07/24 08:40	11/25/24 11:59	1

	MB	MB	Limits	Prepared	Analyzed	Dil Fac
Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110	11/07/24 08:40	11/25/24 11:59	1
Y Carrier	80.7		30 - 110	11/07/24 08:40	11/25/24 11:59	1

Lab Sample ID: LCS 160-687303/2-A
 Matrix: Water
 Analysis Batch: 690403

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 687303

Analyte	LCS		Spike Added	LCS		Total	RL	MDC	Unit	%Rec	%Rec
	Result	Qualifier		Result	Qual	Uncert. (2σ+/-)					Limits
Radium-228			8.31	9.559		1.33	1.00	0.616	pCi/L	115	75 - 125

	LCS	LCS	Limits
Carrier	%Yield	Qualifier	Limits
Ba Carrier	92.7		30 - 110
Y Carrier	78.9		30 - 110

Lab Sample ID: 500-259529-1 DU
 Matrix: Water
 Analysis Batch: 690403

Client Sample ID: MW-09
 Prep Type: Total/NA
 Prep Batch: 687303

Analyte	Sample		DU		Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-228	0.635		0.3546	U	0.337	1.00	0.532	pCi/L	0.38	1

Euofins Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 500-259529-1 DU
Matrix: Water
Analysis Batch: 690403

Client Sample ID: MW-09
Prep Type: Total/NA
Prep Batch: 687303

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	86.6		30 - 110
Y Carrier	81.9		30 - 110

Lab Sample ID: MB 160-687524/1-A
Matrix: Water
Analysis Batch: 690619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 687524

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.2295	U	0.399	0.400	1.00	0.683	pCi/L	11/08/24 08:30	11/26/24 15:05	1

Carrier	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	94.4		30 - 110	11/08/24 08:30	11/26/24 15:05	1
Y Carrier	75.9		30 - 110	11/08/24 08:30	11/26/24 15:05	1

Lab Sample ID: LCS 160-687524/2-A
Matrix: Water
Analysis Batch: 690619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 687524

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS	LCS	Limits
	%Yield	Qualifier	
Ba Carrier	86.6		30 - 110
Y Carrier	81.1		30 - 110

Lab Sample ID: 500-259529-8 DU
Matrix: Water
Analysis Batch: 690619

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 687524

Analyte	Sample Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
	Result	Qual								
Radium-228	0.529	U	0.3401	U	0.404	1.00	0.664	pCi/L	0.22	1

Carrier	DU	DU	Limits
	%Yield	Qualifier	
Ba Carrier	91.9		30 - 110
Y Carrier	74.8		30 - 110

Chain of Custody Record

Client Information		Sampler: <u>Tim Stohner</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s)		COC No: 500-129758-48726 1													
Client Contact: Mr Tim Stohner		Phone: <u>830 290 6850</u>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin.		Page 1 of 1													
Company: KPRG and Associates, Inc.		PWSID		Analysis Requested						Job #: <u>500-259529</u>											
Address: 414 Plaza Drive Suite 106		Due Date Requested		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Performs MS/MSD (Yes or No)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">903.0, 904.0</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">6010C, 6020A, 7470A</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E</td> <td colspan="5"></td> </tr> </table>						Field Filtered Sample (Yes or No)	Performs MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E						Preservation Codes: D HNO3 N None	
Field Filtered Sample (Yes or No)	Performs MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A							2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E											
City: Westmont		TAT Requested (days)								Other:											
State Zip: IL, 60559		Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No																			
Phone: 500-259529 COC		PO #: 4502116506																			
Email: tims@kprginc.com		WO #:																			
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring CCR		Project #: 50011609																			
Site: Illinois		SSOW#:																			


Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Performs MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_S04_E	Total Number of Containers	Special Instructions/Note:
MW-05				Water							
MW-06				Water							
MW-09	11-4-24	09:40	G	Water	N	N	X	X	X	5	
MW-10	11-4-24	08:42	G	Water	N	N	X	X	X	5	
MW-11	11-1-24	14:35	G	Water	N	N	X	X	X	5	
MW-12	11-1-24	12:11	G	Water	N	N	X	X	X	5	
2S/3S Duplicate	11-1-24		G	Water	N	N	X	X	X	5	
MW-16	11-1-24	13:33	G	Water	N	N	X	X	X	5	
MW-17	11-1-24	11:04	G	Water	N	N	X	X	X	5	

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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: <u>[Signature]</u>		Date/Time: <u>11-6-24 16:25</u>		Company: <u>KPRG</u>		Received by: <u>[Signature]</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>20-21.4, 40-23.9, 55-75.4</u>			

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Chain of Custody Record

Client Information		Sampler <i>IAN JOHN HOWISON</i>		Lab PM Mockler, Diana J		Carrier Tracking No(s)		COC No 500-129758-48726 1							
Client Contact Mr Tim Stohner		Phone <i>630 290 6250</i>		E-Mail Diana.Mockler@et.eurofins.com		State of Origin		Page Page 1 of 1							
Company KPRG and Associates, Inc		PWSID		Analysis Requested						Job # <i>500-259529</i>					
Address 414 Plaza Drive Suite 106		Due Date Requested		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Field Filtered Sample (Yes or No)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_C_E, SM4500_S04_E </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Number of Containers</div> </div>						Preservation Codes D HNO3 N None					
City Westmont		TAT Requested (days)								 500-259529 COC					
State Zip IL, 60559		Compliance Project <input type="checkbox"/> Yes <input type="checkbox"/> No													
Phone		PO # 4502116506								WO #		Other			
Email tims@kprginc.com		Project # 50011609								SSOW#					
Project Name Will County 2S/3S Event Desc Quarterly GW Monitoring <i>CCR</i>		Site Illinois													
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note	
<i>8</i> MW-05		<i>11-5-24</i>		<i>09:47</i>		<i>G</i>		<i>Water</i>		<i>N N X X X</i>		<i>5</i>			
<i>9</i> MW-06		<i>11-5-24</i>		<i>08:51</i>		<i>G</i>		<i>Water</i>		<i>N N X X X</i>		<i>5</i>			
MW-09		---		---		---		Water							
MW-10		---		---		---		Water							
MW-11		---		---		---		Water							
MW-12		---		---		---		Water							
2S/3S Duplicate		---		---		---		Water							
MW-16		---		---		---		Water							
MW-17		---		---		---		Water							
		---		---		---									
		---		---		---									
Possible Hazard Identification		<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		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
Deliverable Requested / I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months											
Empty Kit Relinquished by		Date		Time		Method of Shipment.									
Relinquished by <i>[Signature]</i>		Date/Time <i>11-6-24 08:35</i>		Company <i>KPRG</i>		Received by <i>[Signature]</i>		Date/Time <i>11/6/24 08:35</i>		Company <i>EETA</i>					
Relinquished by		Date/Time		Company		Received by		Date/Time		Company					
Relinquished by		Date/Time		Company		Received by		Date/Time		Company					
Custody Seats Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>2 @ +2.7, 4 @ +4.1</i>											

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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: 500-194697.1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Diana Mockler@et.eurofins.com		State of Origin: Illinois		Page: Page 1 of 1	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, Chicago, IL 60645		Project #: 50011609		Job #: 500-259529-2		Preservation Codes:	
City: Earth City		State, Zip: MO, 63045		Site: NRG Midwest Generation Will County		Accreditations Required (See note): NELAP - Illinois		Total Number of Containers: [Blank]	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		TAT Requested (days): N/A		Matrix (Water, Solid, O-waste, Oil): [Blank]		903.0/PrecSep_21 Standard Target List		Other: N/A	
Email: N/A		PO #: N/A		Sample Type (C=comp, G=grab): [Blank]		904.0/PrecSep_0 Standard Target List		Special Instructions/Note: Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.	
Project Name: Will County CCR (RAD)		WO #: N/A		Sample Time: [Blank]		Perform MS/MSD (Yes or No) [Blank]		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.	
Site: NRG Midwest Generation Will County		SSOW#: N/A		Sample Date: 11/14/24		Field Filtered Sample (Yes or No) [Blank]		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, O-waste, Oil)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Analysis Requested	Special Instructions/Note:
MW-09 (500-259529-1)	11/14/24	09:40 Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-10 (500-259529-2)	11/14/24	08:42 Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-11 (500-259529-3)	11/11/24	14:35 Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-12 (500-259529-4)	11/11/24	12:11 Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
2S/3S Duplicate (500-259529-5)	11/11/24	Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-16 (500-259529-6)	11/11/24	13:33 Central	G	Water			X	X	X		Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-17 (500-259529-7)	11/11/24	11:04 Central	G	Water			X	X	X		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 subcontractor 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

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

Relinquished by	Date/Time	Company	Method of Shipment
[Signature]	11/5/24 1445	Company	
Received by: [Signature]	NOV 06 2024	Company	
Received by: Cheyenne Foreest		Company	

Relinquished by	Date/Time	Company
[Signature]	12/01/2024	Company

Relinquished by	Date/Time	Custody Seal No.:
[Signature]	12/01/2024	

Chain of Custody Record



Client Information (Sub Contract Lab)
 Client Contact: [Blank] Lab PM: Mockler, Diana J
 Shipping/Receiving: [Blank] Phone: [Blank] E-Mail: Diana.Mockler@et.eurofinsus.com
 Company: TestAmerica Laboratories, Inc. State of Origin: Illinois
 Address: 13715 Rider Trail North, IL 60484
 City: Earth City, MO. 63045
 State, Zip: MO. 63045
 Phone: 314-298-8566(Tel) 314-298-8757(Fax)
 Email: [Blank]
 Project Name: Will County CCR (RAD) Project #: 50011609
 Site: NRC Midwest Generation Will County SOW#: [Blank]

Due Date Requested: 11/29/2024
 TAT Requested (days): [Blank]
 Matrix: [Blank]
 Sample Type (C=Comp, G=grab): [Blank]
 Sample Time: [Blank]
 Sample Date: [Blank]
 Preservation Code: [Blank]

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other, B=Blood, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PreSep, 21 Standard Target List	904.0/PreSep, 0 Standard Target List	Raz26Ra228_GFP	Total Number of Containers	Special Instructions/Note:
MW-05 (500-259529-8)	11/5/24	09:47 Central	G	Water	X	X	X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-06 (500-259529-9)	11/5/24	08:51 Central	G	Water	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) [Blank] Primary Deliverable Rank: 2
 Empty Kit Relinquished by: [Blank] Date: [Blank]
 Method of Shipment: [Blank]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For [Blank] Months
 Special Instructions/QC Requirements: [Blank]

Relinquished by: *[Signature]* Date/Time: 11/6/24 16:00 Company: [Blank]
 Relinquished by: *[Signature]* Date/Time: [Blank] Company: Cheyenne Forrest
 Relinquished by: [Blank] Date/Time: [Blank] Company: [Blank]
 Custody Seals Intact: Yes No Δ Custody Seal No.: [Blank]
 Cooler Temperature(s) °C and Other Remarks: [Blank]



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-259529-2

Login Number: 259529

List Source: Eurofins Chicago

List Number: 1

Creator: Scott, Sherri L

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	1.9,3.9,5.4,2.7,4.1
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: 500-259529-2

Login Number: 259529

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/06/24 11:59 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <math><6\text{mm}</math> (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: 500-259529-2

Login Number: 259529

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 11/07/24 12:34 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: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-09
Date Collected: 11/04/24 09:40
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:49
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 12:00
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-10
Date Collected: 11/04/24 08:42
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:49
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-11
Date Collected: 11/01/24 14:35
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:49
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-12
Date Collected: 11/01/24 12:11
Date Received: 11/04/24 16:25

Lab Sample ID: 500-259529-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:49
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Lab Chronicle

Client: Midwest Generation EME LLC
 Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-259529-5

Date Collected: 11/01/24 00:00

Matrix: Water

Date Received: 11/04/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:50
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-16

Lab Sample ID: 500-259529-6

Date Collected: 11/01/24 13:33

Matrix: Water

Date Received: 11/04/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691257	FLC	EET SL	12/01/24 14:50
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690403	FLC	EET SL	11/25/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-17

Lab Sample ID: 500-259529-7

Date Collected: 11/01/24 11:04

Matrix: Water

Date Received: 11/04/24 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687302	BCE	EET SL	11/07/24 08:36
Total/NA	Analysis	903.0		1	691384	FLC	EET SL	12/01/24 14:54
Total/NA	Prep	PrecSep_0			687303	BCE	EET SL	11/07/24 08:40
Total/NA	Analysis	904.0		1	690408	FLC	EET SL	11/25/24 11:56
Total/NA	Analysis	Ra226_Ra228		1	691727	EMH	EET SL	12/03/24 22:52

Client Sample ID: MW-05

Lab Sample ID: 500-259529-8

Date Collected: 11/05/24 09:47

Matrix: Water

Date Received: 11/06/24 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687522	BCE	EET SL	11/08/24 08:28
Total/NA	Analysis	903.0		1	691381	FLC	EET SL	12/02/24 20:57
Total/NA	Prep	PrecSep_0			687524	BCE	EET SL	11/08/24 08:30
Total/NA	Analysis	904.0		1	690619	FLC	EET SL	11/26/24 15:06
Total/NA	Analysis	Ra226_Ra228		1	692301	FLC	EET SL	12/06/24 18:06

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Will County CCR (RAD)

Job ID: 500-259529-2

Client Sample ID: MW-06

Lab Sample ID: 500-259529-9

Date Collected: 11/05/24 08:51

Matrix: Water

Date Received: 11/06/24 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			687522	BCE	EET SL	11/08/24 08:28
Total/NA	Analysis	903.0		1	691381	FLC	EET SL	12/02/24 20:57
Total/NA	Prep	PrecSep_0			687524	BCE	EET SL	11/08/24 08:30
Total/NA	Analysis	904.0		1	690619	FLC	EET SL	11/26/24 15:06
Total/NA	Analysis	Ra226_Ra228		1	692301	FLC	EET SL	12/06/24 18:06

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: Will County CCR (RAD)

Job ID: 500-259529-2

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)	
500-259529-1	MW-09	84.8	
500-259529-1 DU	MW-09	86.6	
500-259529-2	MW-10	88.1	
500-259529-3	MW-11	82.3	
500-259529-4	MW-12	86.6	
500-259529-5	2S/3S Duplicate	79.2	
500-259529-6	MW-16	89.9	
500-259529-7	MW-17	86.6	
500-259529-8	MW-05	86.1	
500-259529-8 DU	MW-05	91.9	
500-259529-9	MW-06	93.7	
LCS 160-687302/2-A	Lab Control Sample	92.7	
LCS 160-687522/2-A	Lab Control Sample	86.6	
MB 160-687302/1-A	Method Blank	81.3	
MB 160-687522/1-A	Method Blank	94.4	

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)
500-259529-1	MW-09	84.8	76.6
500-259529-1 DU	MW-09	86.6	81.9
500-259529-2	MW-10	88.1	66.2
500-259529-3	MW-11	82.3	86.4
500-259529-4	MW-12	86.6	84.5
500-259529-5	2S/3S Duplicate	79.2	82.6
500-259529-6	MW-16	89.9	78.1
500-259529-7	MW-17	86.6	78.9
500-259529-8	MW-05	86.1	74.4
500-259529-8 DU	MW-05	91.9	74.8
500-259529-9	MW-06	93.7	79.6
LCS 160-687303/2-A	Lab Control Sample	92.7	78.9
LCS 160-687524/2-A	Lab Control Sample	86.6	81.1
MB 160-687303/1-A	Method Blank	81.3	80.7
MB 160-687524/1-A	Method Blank	94.4	75.9

Tracer/Carrier Legend
 Ba = Ba Carrier
 Y = Y Carrier

PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-5-24
Sample Name	MW-05	Start Time	09:32	
Condition of Well	GOOD			
Water Level	11.19	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.25 QRS.	W L at Sample Time	11.22	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	09:47	
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)
09:35	11.21	7.76	15.1	1.405	8.98	-69.4	1.40
09:38	11.23	7.57	14.9	1.466	7.78	-53.2	1.51
09:41	11.21	7.49	14.8	1.467	5.11	-43.4	1.26
09:44	11.22	7.46	14.7	1.464	3.01	-41.2	1.21
09:47	11.22	7.46	14.7	1.465	2.89	-41.2	1.32
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-5-24
Sample Name	MW-06	Start Time	08:33	
Condition of Well	GOOD			
Water Level	12.33	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.0 QTS	W L at Sample Time	12.38	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	08:51	
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)
08:36	12.39	7.54	14.8	1.066	5.81	-123.2	2.40
08:39	12.42	7.60	14.6	1.204	2.56	-86.7	6.26.
08:42	12.41	7.60	14.7	1.253	1.34	-90.2	3.59.
08:45	12.39	7.60	14.8	1.254	1.03	-97.0	4.03
08:48	12.41	7.61	14.9	1.252	0.98	-100.6	2.99.
08:51	12.38	7.61	14.9	1.250	0.93	-101.6	2.79.
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-4-24
Sample Name	MW-09	Start Time	09:22	
Condition of Well	GOOD			
Water Level	12.72	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORED TRACE ODORLESS TURB	
Volume Removed	2.25 GTS	W L at Sample Time	12.91	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED	
Sample Analysis	IN/IS 25/35 CCA + CCR + CCR	Sample Time	09:40	
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)
09:25	12.86	8.09	14.4	1.391	6.16	-150.6	2.48
09:28	12.97	8.53	14.4	1.392	5.24	-155.5	16.41
09:31	12.97	8.81	14.3	1.396	4.30	-163.0	30.27
09:34	12.92	8.96	14.4	1.398	3.59	-170.0	30.32
09:37	12.93	9.00	14.4	1.400	3.18	-171.4	30.84
09:40	12.91	9.01	14.4	1.401	3.02	-170.4	30.58
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-4-24
Sample Name	MW-10	Start Time	08:27	
Condition of Well	GOOD			
Water Level	11.52	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	11.64	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED	
Sample Analysis	CCA + CCR	Sample Time	08:42	
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)
08:30	11.54	6.91	13.9	1.392	6.95	-72.4	4.36
08:33	11.59	7.06	14.1	1.402	6.54	-80.2	4.12
08:36	11.63	7.15	13.9	1.469	3.15	-88.6	9.94
08:39	11.68	7.20	13.8	1.484	2.10	-95.4	11.81
08:42	11.64	7.21	13.8	1.485	1.99	-96.7	9.83
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-1-24
Sample Name	MW-11	Start Time	14:17.	
Condition of Well	Good			
Water Level	11.24	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.50 Gals	W L at Sample Time	11:48	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	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	11.33	7.68	14.2	1.338	7.67	-145.2	8.03
14:23	11.38	7.53	13.9	1.328	7.53	-131.0	5.95
14:26	11.43	7.58	13.8	1.312	2.69	-135.1	5.80
14:29	11.48	7.57	13.7	1.307	1.70	-146.6	5.72
14:32	11.52	7.50	13.7	1.311	1.15	-152.8	4.21
14:35	11.48	7.50	13.7	1.315	1.10	-155.2	4.02
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	11-1-24
Sample Name	MW-12	Start Time	11:56	
Condition of Well	Good			
Water Level	11.20	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.75 GRS.	W L at Sample Time	11.31	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR.	
Sample Analysis	CCR + CCR DUBS ^{25/38}	Sample Time	12:11	
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)
11:59	11.32	7.08	13.1	1.794	5.85	-110.2	1.44
12:02	11.34	7.17	13.0	1.950	2.72	-59.0	1.56
12:05	11.33	7.19	12.8	1.970	1.65	-48.4	1.37
12:08	—	7.20	13.2	1.971	1.20	-48.3	1.39
12:11	11.31	7.20	13.3	1.972	1.20	-48.3	1.61
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

