

DATA SUMMARY POSTING

Station: Midwest Generation Joliet #29 Generating Station

Regulated Unit(s): Pond 2 (BOL Log No. 2021-506)

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 1st quarter 2026 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.

No background statistics or proposed Groundwater Protection Standards are included on these tables. The background statistics and Proposed Groundwater Protection Standards were submitted to Illinois Environmental Protection Agency (EPA) as part of the Application for Initial Operating Permit submitted October 31, 2021. Upon Illinois EPA approval of the Operating Permit and Proposed Groundwater Protection Standards, the approved comparison values will be included on the tables for subsequent data comparisons/evaluations.

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228	Selenium	Thallium	Turbidity	
MW-10 upgradient	10/28/2015	0.47	100	200	0.41	7.04	84	790	< 0.0030	< 0.0010	0.041	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0060	0.2981	< 0.0025	< 0.0020	NA	
	2/10/2016	0.41	100	210	0.44	7.17	120	820	< 0.0030	0.0010	0.043	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0067	< 0.438	< 0.0025	< 0.0020	NA	
	5/12/2016	0.29	100	300	0.42	7.02	110	920	< 0.0030	< 0.0010	0.046	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.012	< 0.00020	0.0051	< 0.414	< 0.0025	< 0.0020	NA	
	8/31/2016	0.36	89	170	0.46	6.95	100	760	< 0.0030	< 0.0010	0.039	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.010	< 0.00020	0.0077	< 0.394	< 0.0025	< 0.0020	NA	
	11/2/2016	0.48	100	130	0.45	6.99	95	720	< 0.0030	0.0018	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.0014	0.011	< 0.00020	0.0061	0.626	< 0.0025	< 0.0020	NA	
	2/6/2017	0.44	120	190	0.36	6.99	88	820	< 0.0030	0.0011	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00086	0.014	< 0.00020	0.0056	< 0.389	< 0.0025	< 0.0020	NA	
	4/26/2017	0.35	120	200	0.35	7.27	87	760	< 0.0030	0.0015	0.046	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.0012	< 0.010	< 0.00020	0.0060	< 0.34	< 0.0025	< 0.0020	NA	
	6/14/2017	0.29	91	160	0.43	7.48	91	690	< 0.0030	< 0.0010	0.034	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.012	< 0.00020	0.0072	< 0.356	< 0.0025	< 0.0020	NA	
	8/2/2017	0.45	97	170	0.38	7.23	75	750	< 0.0030	0.0011	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0079	0.429	< 0.0025	< 0.0020	NA	
	10/18/2017	0.61	120	140	0.41	7.11	130	820	< 0.0030	0.0012	0.040	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00059	0.013	< 0.00020	0.0066	< 0.422	< 0.0025	^ < 0.0020	NA	
	4/24/2018	0.4	110	260	0.39	7.28	120	910	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/17/2018	0.63	120	180	0.42	7.30	110	810	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/24/2018 R	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/2019	0.56	130	410	0.39	7.17	95	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/3/2019 R	NA	NA	230	NA	NA	NA	830	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/7/2019	0.35	90	130	0.36	7.40	59	650	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/20/2020	0.85	120	250	0.41	6.90	100	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/11/2020 R	0.26	NA	NA	NA	NA	NA	770	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/22/2020	0.34	110	230	0.41	7.11	93	850	< 0.0030	0.0010	0.043	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0057	NA	< 0.0025	< 0.0020	NA	
	5/18/2021	0.33	140	350	0.39	7.16	210	1200	< 0.0030	0.0014	0.060	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.0055	< 0.480	< 0.0025	< 0.0020	3.73	
	6/29/2021 R	NA	160	420	NA	NA	190	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.49
	8/30/2021	0.28	120	330	0.37	7.56	170	990	^+ < 0.0030	0.0012	0.051	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.012	< 0.00020	0.0065	0.51	< 0.0025	< 0.0020	9.30	
	11/16/2021	0.39	120	260	0.38	7.01	150	1000	< 0.0030	0.0012	0.049	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0066	0.692	< 0.0025	< 0.0020	5.59	
	3/3/2022	0.47	120	280	0.41	7.05	190	1000	< 0.0030	0.0014	0.055	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0066	< 0.40	< 0.0025	< 0.0020	2.86	
	5/26/2022	0.39	120	280	0.41	6.90	160	1000	< 0.0030	0.0013	0.046	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.0064	< 0.593	< 0.0025	< 0.0020	2.08	
	8/31/2022	0.33	110	240	0.41	6.58	160	970	< 0.0030	0.0012	0.042	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.0057	0.534	< 0.0025	< 0.0020	2.93	
	11/9/2022	0.32	110	240	0.57	7.00	150	880	< 0.0030	0.0014	0.043	< 0.0010	< 0.00050	< 0.0050	< 0.0010	^+ < 0.00050	0.010	< 0.00020	0.0055	0.728	< 0.0025	< 0.0020	19.60	
	12/20/2022 R	NA	NA	NA	0.68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/28/2023	0.36	130	330	0.38	7.06	170	1200	< 0.0030	0.0012	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0058	< 0.787	< 0.0025	< 0.0020	17.13	
	5/3/2023	0.37	130	310	0.39	6.99	190	1100	< 0.0030	< 0.0010	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.014	< 0.00020	0.0068	< 0.487	< 0.0025	< 0.0020	2.60	
	7/20/2023	0.33	110	250	0.39	6.95	160	960	< 0.0030	< 0.0010	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0053	0.623	< 0.0025	< 0.0020	5.60	
	10/26/2023	0.40	120	300	0.41	6.96	160	1100	< 0.0030	0.0011	0.050	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0064	0.739	< 0.0025	< 0.0020	1.40	
	1/23/2024	0.49	110	260	0.37	6.96	160	970	^+ < 0.0030	0.0013	0.056	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00064	0.014	< 0.00020	0.0067	0.720	< 0.0025	< 0.0020	82.70	
	5/22/2024	0.38	110	180	0.41	7.17	120	840	< 0.0030	< 0.0010	0.040	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0067	< 0.633	< 0.0025	< 0.0020	49.31	
	7/30/2024	0.44	120	170	0.38	7.58	150	880	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	^+ < 0.00050	0.013	< 0.00020	0.0071	< 0.455	< 0.0025	< 0.0020	2.27	
	10/29/2024	0.46	130	220	0.38	7.30	160	1000	< 0.0030	< 0.0010	0.048	< 0.0010	< 0.00050	< 0.0050	< 0.0010	^+ < 0.00050	0.013	< 0.00020	0.0063	< 0.337	< 0.0025	< 0.0020	3.17	
	1/29/2025	0.50	140	250	0.40	7.13	150	1100	< 0.0030	0.0011	0.011	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00089	0.015	< 0.00020	0.0066	< -0.0345	< 0.0025	< 0.0020	60.43	
	4/30/2025	0.38	120	280	0.42	7.27	170	1100	< 0.0030	< 0.0010	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0068	0.772	< 0.0025	< 0.0020	9.43	
	8/7/2025	0.35	110	240	0.60	7.01	180	1000	< 0.0030	< 0.0010	0.045	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0055	< 0.340	< 0.0025	< 0.0020	8.41	
	11/6/2025	0.39	120	220	0.45	6.97	170	1000	< 0.0030	< 0.0010	0.050	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.0068	< 0.424	< 0.0025	< 0.0020	2.78	
	2/26/2026	0.36	130	290	0.46	7.20	180	1100	< 0.0010	< 0.0010	0.055	< 0.00040	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.0065	< 0.630	< 0.0025	< 0.00040	7.01	
	MW-03 downgradient	10/28/2015	0.34	110	230	0.41	7.11	110	960	< 0.0030	0.0015	0.10	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	< 0.0050	0.41	< 0.0025	< 0.0020	NA
		2/10/2016	0.49	100	220	0.44	7.31	130	790	< 0.0030	0.0017	0.10	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.011	< 0.00020	0.0060	< 1.68	< 0.0025	< 0.0020	NA
		5/10/2016	0.48	95	240	0.44	7.07	130	800	< 0.0030	0.0011	0.095	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.012	< 0.00020	0.0062	< 0.326	0.0030	< 0.0020	NA
		8/31/2016	0.49	100																				

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228	Selenium	Thallium	Turbidity	
MW-04 downgradient	10/28/2015	0.34	94	F1 200	0.45	7.07	83	740	< 0.0030	0.0013	0.082	^ < 0.0010	< 0.00050	< 0.0050	0.0063	< 0.00050	0.013	< 0.00020	0.0065	0.741	< 0.0025	< 0.0020	NA	
	2/10/2016	0.32	97	210	0.47	7.22	140	810	< 0.0030	0.0018	0.088	< 0.0010	< 0.00050	< 0.0050	0.0074	0.00062	0.011	< 0.00020	0.0063	< 1.52	< 0.0025	< 0.0020	NA	
	5/10/2016	0.47	100	260	0.46	6.71	150	900	< 0.0030	0.0014	0.088	< 0.0010	< 0.00050	< 0.0050	0.0086	< 0.00050	0.012	< 0.00020	0.0088	< 0.365	< 0.0025	< 0.0020	NA	
	8/31/2016	0.42	100	210	0.45	7.07	120	890	< 0.0030	0.0014	0.086	^ < 0.0010	< 0.00050	< 0.0050	0.0035	< 0.00050	0.011	< 0.00020	0.0083	0.432	< 0.0025	< 0.0020	NA	
	11/2/2016	0.32	98	160	0.43	7.25	83	750	< 0.0030	0.0025	0.079	< 0.0010	< 0.00050	< 0.0050	0.010	0.0012	0.012	< 0.00020	0.0070	< 0.463	< 0.0025	< 0.0020	NA	
	2/6/2017	0.40	110	200	0.37	7.19	98	790	< 0.0030	0.0015	0.100	< 0.0010	< 0.00050	< 0.0050	0.0160	< 0.00050	0.013	< 0.00020	0.0071	< 0.356	< 0.0025	< 0.0020	NA	
	4/26/2017	0.33	100	220	0.37	7.46	89	770	< 0.0030	0.0021	0.095	< 0.0010	< 0.00050	< 0.0050	0.0078	0.00055	0.012	< 0.00020	0.0069	< 0.35	< 0.0025	< 0.0020	NA	
	6/14/2017	0.37	92	190	0.47	7.45	80	770	< 0.0030	0.0013	0.078	< 0.0010	< 0.00050	< 0.0050	0.012	< 0.00050	0.013	< 0.00020	0.0085	< 0.309	< 0.0025	< 0.0020	NA	
	8/2/2017	0.35	93	180	0.43	7.41	100	770	< 0.0030	0.0013	0.077	< 0.0010	< 0.00050	0.040	0.0031	< 0.00050	0.012	< 0.00020	0.0091	< 0.282	0.0029	< 0.0020	NA	
	10/18/2017	0.54	97	140	0.45	7.20	120	790	< 0.0030	0.0019	0.082	^ < 0.0010	< 0.00050	< 0.0050	0.0046	0.00077	0.015	< 0.00020	0.0071	0.423	0.0030	^ < 0.0020	NA	
	4/24/2018	0.40	110	240	0.43	7.21	160	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/31/2018 R	NA	NA	NA	NA	NA	NA	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/17/2018	0.29	100	230	0.45	7.20	130	840	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/2019	0.76	120	340	0.42	7.27	120	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/3/2019 R	0.23	NA	250	NA	NA	NA	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2019	0.30	77	140	0.41	7.33	53	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/20/2020	0.79	110	250	0.45	7.30	110	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/11/2020 R	0.28	NA	NA	NA	NA	NA	850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/22/2020	0.33	100	190	0.48	7.15	83	770	< 0.0030	0.0015	0.089	^ < 0.0010	< 0.00050	< 0.0050	0.0082	< 0.00050	0.013	< 0.00020	0.0061	NA	< 0.0025	< 0.0020	NA	
	5/18/2021	0.22	120	280	0.42	7.30	190	1100	< 0.0030	0.0019	0.12	< 0.0010	< 0.00050	< 0.0050	0.0037	< 0.00050	0.014	< 0.00020	< 0.0050	< 0.4450	< 0.0025	< 0.0020	2.52	
	6/29/2021 R	NA	NA	NA	NA	7.36	190	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.34
	8/30/2021	0.33	120	330	0.40	7.46	170	1000	^+ < 0.0030	0.0016	0.12	< 0.0010	< 0.00050	< 0.0050	0.0034	< 0.00050	0.013	< 0.00020	0.0057	0.877	0.0030	< 0.0020	18.30	
	11/16/2021	0.30	130	290	0.42	7.11	140	1000	< 0.0030	0.0021	0.12	^1+ < 0.0010	< 0.00050	< 0.0050	0.0040	< 0.00050	0.011	< 0.00020	0.0059	0.892	< 0.0025	< 0.0020	4.20	
	3/3/2022	0.31	120	220	0.42	7.11	170	1300	< 0.0030	0.0018	0.12	< 0.0010	< 0.00050	< 0.0050	0.0029	< 0.00050	0.012	< 0.00020	0.0056	< 0.437	< 0.0025	< 0.0020	0.00	
	5/26/2022	0.26	110	290	0.44	6.94	150	1100	< 0.0030	0.0019	0.10	^+ < 0.0010	< 0.00050	< 0.0050	0.0036	< 0.00050	< 0.010	< 0.00020	< 0.0050	0.624	< 0.0025	< 0.0020	1.23	
	8/31/2022	0.32	120	240	0.45	6.38	150	870	< 0.0030	0.0016	0.11	< 0.0010	< 0.00050	< 0.0050	0.0018	< 0.00050	0.012	< 0.00020	0.0055	0.804	< 0.0025	< 0.0020	3.78	
	11/9/2022	0.34	120	240	0.61	7.08	150	940	< 0.0030	0.0021	0.11	< 0.0010	< 0.00050	< 0.0050	0.0030	^+ < 0.00050	0.012	< 0.00020	0.0056	0.666	< 0.0025	< 0.0020	43.50	
	2/28/2023	0.34	120	280	0.40	7.16	150	1100	< 0.0030	0.0019	0.10	< 0.0010	< 0.00050	< 0.0050	0.0078	< 0.00050	0.011	< 0.00020	0.0058	< 0.593	< 0.0025	< 0.0020	62.10	
	5/3/2023	0.28	110	290	0.40	6.97	160	1100	< 0.0030	0.0014	0.095	< 0.0010	< 0.00050	< 0.0050	0.0074	< 0.00050	0.011	< 0.00020	0.0051	< 0.488	< 0.0025	< 0.0020	6.30	
	7/20/2023	0.37	120	240	0.41	7.02	180	970	< 0.0030	0.0018	0.10	< 0.0010	< 0.00050	< 0.0050	0.0025	< 0.00050	0.012	< 0.00020	< 0.0050	< 0.601	< 0.0025	< 0.0020	6.00	
	10/26/2023	0.31	120	320	0.43	6.95	140	1100	< 0.0030	0.0016	0.094	< 0.0010	< 0.00050	< 0.0050	0.0063	< 0.00050	0.013	< 0.00020	0.0052	1.15	< 0.0025	< 0.0020	1.60	
	1/23/2024	0.42	99	200	0.38	6.93	150	970	^1+ < 0.0030	0.002	0.091	^1+ < 0.0010	< 0.00050	< 0.0050	0.0085	0.00051	0.018	< 0.00020	0.0056	< 0.649	< 0.0025	< 0.0020	80.10	
	5/22/2024	0.39	110	200	0.41	7.12	120	910	< 0.0030	0.0016	0.077	< 0.0010	< 0.00050	< 0.0050	0.0091	0.00054	0.013	< 0.00020	0.0056	0.586	< 0.0025	< 0.0020	24.27	
	7/30/2024	0.34	110	170	0.42	7.45	120	860	< 0.0030	0.0013	0.074	< 0.0010	< 0.00050	< 0.0050	0.0081	^1+ < 0.00050	0.013	< 0.00020	0.0057	< 0.471	< 0.0025	< 0.0020	5.04	
	10/29/2024	0.38	120	190	0.43	7.32	120	980	< 0.0030	0.0013	0.078	< 0.0010	< 0.00050	< 0.0050	0.0095	< 0.00050	0.013	< 0.00020	0.0055	< 0.197	< 0.0025	< 0.0020	5.30	
	1/29/2025	0.36	120	210	0.46	7.16	140	920	< 0.0030	0.0015	0.079	^1+ < 0.0010	< 0.00050	< 0.0050	0.013	< 0.00050	0.013	< 0.00020	0.0059	< 0.442	< 0.0025	< 0.0020	51.63	
	4/30/2025	0.35	130	290	0.39	7.27	160	1000	< 0.0030	0.0012	0.091	< 0.0010	< 0.00050	< 0.0050	0.0079	< 0.00050	0.012	< 0.00020	0.0050	0.927	< 0.0025	< 0.0020	4.03	
	8/7/2025	0.32	110	240	0.65	7.04	160	1100	< 0.0030	0.0011	0.084	< 0.0010	< 0.00050	< 0.0050	0.0026	< 0.00050	0.013	< 0.00020	< 0.0050	0.581	< 0.0025	< 0.0020	23.77	
	11/6/2025	0.33	120	250	0.49	7.01	170	970	< 0.0030	0.0012	0.090	< 0.0010	< 0.00050	< 0.0050	0.0046	< 0.00050	0.014	< 0.00020	0.0062	< 0.679	< 0.0025	< 0.0020	3.22	
	2/26/2026	0.33	130	300	0.46	7.27	170	1100	< 0.0010	0.0012	0.088	< 0.00040	< 0.00050	< 0.0050	0.014	< 0.00050	0.014	< 0.00020	0.0054	< 0.588	< 0.0025	< 0.00040	13.69	
MW-05 downgradient	10/28/2015	0.64	100	160	0.39	7.12	120	790	< 0.0030	0.0011	0.057	^ < 0.0010	< 0.00050	< 0.0050	0.0013	< 0.00050	0.018	< 0.00020	0.0088	0.6231	0.0031	< 0.0020	NA	
	2/10/2016	0.46	110	220	0.39	7.25	120	790	< 0.0030	0.0028	0.071	< 0.0010	< 0.00050	0.0062	0.0013	0.0022	< 0.020	< 0.00020	F1 0.0053	1.09	< 0.0025	< 0.0020	NA	
	5/10/2016	0.80	150	220	0.46	6.88	290	950	< 0.0030	0.0023	0.075	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.0022	0.014	< 0.00020	0.008	< 0.40	< 0.0025	< 0.0020	NA	
	8/31/2016	1.0	140	99	0.56	6.81	260	820	< 0.0030	< 0.0010	0.070	^ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.012	< 0.42	0.020	< 0.0020	NA	
	11/2/2016	0.41	98	130	0.37	7.26	100	700	< 0.0030															

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

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

Generated 3/17/2026 7:57:54 AM

JOB DESCRIPTION

Joliet #29 CCR

JOB NUMBER

500-282400-1

Eurofins Chicago

Job Notes

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Authorization



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3/17/2026 7:57:54 AM

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Case Narrative

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

Job ID: 500-282400-1

Job ID: 500-282400-1

Eurofins Chicago

Job Narrative 500-282400-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/26/2026 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 7.2°C and 9.7°C.

Metals

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.

Field Service / Mobile Lab

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: Joliet #29 CCR

Job ID: 500-282400-1

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
Field Sampling	Field Sampling	EPA	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, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

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

Job ID: 500-282400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-282400-1	MW-03	Water	02/26/26 08:57	02/26/26 15:15	Illinois
500-282400-2	MW-04	Water	02/26/26 10:15	02/26/26 15:15	Illinois
500-282400-3	MW-05	Water	02/26/26 11:23	02/26/26 15:15	Illinois
500-282400-4	MW-10	Water	02/26/26 12:32	02/26/26 15:15	Illinois
500-282400-5	Duplicate	Water	02/26/26 00:00	02/26/26 15:15	Illinois

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Client Sample Results

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

Job ID: 500-282400-1

Client Sample ID: MW-03

Lab Sample ID: 500-282400-1

Date Collected: 02/26/26 08:57

Matrix: Water

Date Received: 02/26/26 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 15:48	1
Arsenic	1.3		1.0		ug/L		02/27/26 08:02	03/02/26 15:48	1
Barium	120		2.5		ug/L		02/27/26 08:02	03/02/26 15:48	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 15:48	1
Boron	350		50		ug/L		02/27/26 08:02	03/02/26 15:48	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 15:48	1
Calcium	120		0.20		mg/L		02/27/26 08:02	03/02/26 15:48	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 15:48	1
Cobalt	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 15:48	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 15:48	1
Lithium	13		10		ug/L		02/27/26 08:02	03/03/26 13:28	1
Molybdenum	5.1		5.0		ug/L		02/27/26 08:02	03/02/26 15:48	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 15:48	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 15:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	270		10		mg/L			03/11/26 17:26	10
Sulfate (EPA 300.0)	170		10		mg/L			03/11/26 17:26	10
Total Dissolved Solids (SM 2540C)	990		10		mg/L			03/03/26 02:11	1
Fluoride (SM 4500 F C)	0.46		0.10		mg/L			03/05/26 15:42	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.24				SU			02/26/26 08:57	1
Field Temperature	47.3				Degrees F			02/26/26 08:57	1
Groundwater Elevation	505.45				ft			02/26/26 08:57	1
Oxidation Reduction Potential	239.1				millivolts			02/26/26 08:57	1
Oxygen, Dissolved	6.38				mg/L			02/26/26 08:57	1
Specific Conductance	1.339				mS/cm			02/26/26 08:57	1
Turbidity	34.36				NTU			02/26/26 08:57	1

Client Sample Results

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

Job ID: 500-282400-1

Client Sample ID: MW-04

Lab Sample ID: 500-282400-2

Date Collected: 02/26/26 10:15

Matrix: Water

Date Received: 02/26/26 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:02	1
Arsenic	1.2		1.0		ug/L		02/27/26 08:02	03/02/26 16:02	1
Barium	88		2.5		ug/L		02/27/26 08:02	03/02/26 16:02	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:02	1
Boron	330		50		ug/L		02/27/26 08:02	03/02/26 16:02	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:02	1
Calcium	130		0.20		mg/L		02/27/26 08:02	03/02/26 16:02	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:02	1
Cobalt	14		1.0		ug/L		02/27/26 08:02	03/02/26 16:02	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:02	1
Lithium	14		10		ug/L		02/27/26 08:02	03/03/26 13:31	1
Molybdenum	5.4		5.0		ug/L		02/27/26 08:02	03/02/26 16:02	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 16:02	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	300		10		mg/L			03/11/26 17:42	10
Sulfate (EPA 300.0)	170		10		mg/L			03/11/26 17:42	10
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			03/03/26 02:14	1
Fluoride (SM 4500 F C)	0.46		0.10		mg/L			03/05/26 15:44	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.27				SU			02/26/26 10:15	1
Field Temperature	50.2				Degrees F			02/26/26 10:15	1
Groundwater Elevation	505.37				ft			02/26/26 10:15	1
Oxidation Reduction Potential	229.1				millivolts			02/26/26 10:15	1
Oxygen, Dissolved	7.08				mg/L			02/26/26 10:15	1
Specific Conductance	1.392				mS/cm			02/26/26 10:15	1
Turbidity	13.69				NTU			02/26/26 10:15	1

Client Sample Results

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

Job ID: 500-282400-1

Client Sample ID: MW-05

Lab Sample ID: 500-282400-3

Date Collected: 02/26/26 11:23

Matrix: Water

Date Received: 02/26/26 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:05	1
Arsenic	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:05	1
Barium	87		2.5		ug/L		02/27/26 08:02	03/02/26 16:05	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:05	1
Boron	410		50		ug/L		02/27/26 08:02	03/02/26 16:05	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:05	1
Calcium	120		0.20		mg/L		02/27/26 08:02	03/02/26 16:05	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:05	1
Cobalt	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:05	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:05	1
Lithium	18		10		ug/L		02/27/26 08:02	03/03/26 13:34	1
Molybdenum	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:05	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 16:05	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	280		10		mg/L			03/11/26 17:57	10
Sulfate (EPA 300.0)	180		10		mg/L			03/11/26 17:57	10
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			03/03/26 02:16	1
Fluoride (SM 4500 F C)	0.34		0.10		mg/L			03/05/26 15:56	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.31				SU			02/26/26 11:23	1
Field Temperature	51.8				Degrees F			02/26/26 11:23	1
Groundwater Elevation	504.91				ft			02/26/26 11:23	1
Oxidation Reduction Potential	228.6				millivolts			02/26/26 11:23	1
Oxygen, Dissolved	6.34				mg/L			02/26/26 11:23	1
Specific Conductance	1.361				mS/cm			02/26/26 11:23	1
Turbidity	6.83				NTU			02/26/26 11:23	1

Client Sample Results

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

Job ID: 500-282400-1

Client Sample ID: MW-10

Lab Sample ID: 500-282400-4

Date Collected: 02/26/26 12:32

Matrix: Water

Date Received: 02/26/26 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:08	1
Arsenic	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:08	1
Barium	55		2.5		ug/L		02/27/26 08:02	03/02/26 16:08	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:08	1
Boron	360		50		ug/L		02/27/26 08:02	03/02/26 16:08	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:08	1
Calcium	130		0.20		mg/L		02/27/26 08:02	03/02/26 16:08	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:08	1
Cobalt	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:08	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:08	1
Lithium	15		10		ug/L		02/27/26 08:02	03/03/26 13:37	1
Molybdenum	6.5		5.0		ug/L		02/27/26 08:02	03/02/26 16:08	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 16:08	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:08	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	290		10		mg/L			03/11/26 18:13	10
Sulfate (EPA 300.0)	180		10		mg/L			03/11/26 18:13	10
Total Dissolved Solids (SM 2540C)	1100		10		mg/L			03/03/26 02:19	1
Fluoride (SM 4500 F C)	0.46		0.10		mg/L			03/05/26 15:59	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.2				SU			02/26/26 12:32	1
Field Temperature	52.3				Degrees F			02/26/26 12:32	1
Groundwater Elevation	505.45				ft			02/26/26 12:32	1
Oxidation Reduction Potential	249.4				millivolts			02/26/26 12:32	1
Oxygen, Dissolved	7.41				mg/L			02/26/26 12:32	1
Specific Conductance	1.462				mS/cm			02/26/26 12:32	1
Turbidity	7.01				NTU			02/26/26 12:32	1

Client Sample Results

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

Job ID: 500-282400-1

Client Sample ID: Duplicate

Lab Sample ID: 500-282400-5

Date Collected: 02/26/26 00:00

Matrix: Water

Date Received: 02/26/26 15:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:10	1
Arsenic	1.3		1.0		ug/L		02/27/26 08:02	03/02/26 16:10	1
Barium	120		2.5		ug/L		02/27/26 08:02	03/02/26 16:10	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:10	1
Boron	350		50		ug/L		02/27/26 08:02	03/02/26 16:10	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:10	1
Calcium	120		0.20		mg/L		02/27/26 08:02	03/02/26 16:10	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:10	1
Cobalt	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 16:10	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 16:10	1
Lithium	13		10		ug/L		02/27/26 08:02	03/03/26 13:40	1
Molybdenum	5.0		5.0		ug/L		02/27/26 08:02	03/02/26 16:10	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 16:10	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 16:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	270		10		mg/L			03/11/26 18:29	10
Sulfate (EPA 300.0)	180		10		mg/L			03/11/26 18:29	10
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			03/03/26 02:32	1
Fluoride (SM 4500 F C)	0.47		0.10		mg/L			03/05/26 16:02	1

Definitions/Glossary

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

Job ID: 500-282400-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

QC Association Summary

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

Job ID: 500-282400-1

Metals

Prep Batch: 855358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total Recoverable	Water	3005A	
500-282400-2	MW-04	Total Recoverable	Water	3005A	
500-282400-3	MW-05	Total Recoverable	Water	3005A	
500-282400-4	MW-10	Total Recoverable	Water	3005A	
500-282400-5	Duplicate	Total Recoverable	Water	3005A	
MB 500-855358/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-855358/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 855757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total Recoverable	Water	6020B	855358
500-282400-2	MW-04	Total Recoverable	Water	6020B	855358
500-282400-3	MW-05	Total Recoverable	Water	6020B	855358
500-282400-4	MW-10	Total Recoverable	Water	6020B	855358
500-282400-5	Duplicate	Total Recoverable	Water	6020B	855358
MB 500-855358/1-A	Method Blank	Total Recoverable	Water	6020B	855358
LCS 500-855358/2-A	Lab Control Sample	Total Recoverable	Water	6020B	855358

Analysis Batch: 855866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total Recoverable	Water	6020B	855358
500-282400-2	MW-04	Total Recoverable	Water	6020B	855358
500-282400-3	MW-05	Total Recoverable	Water	6020B	855358
500-282400-4	MW-10	Total Recoverable	Water	6020B	855358
500-282400-5	Duplicate	Total Recoverable	Water	6020B	855358

Prep Batch: 855976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	7470A	
500-282400-2	MW-04	Total/NA	Water	7470A	
500-282400-3	MW-05	Total/NA	Water	7470A	
500-282400-4	MW-10	Total/NA	Water	7470A	
500-282400-5	Duplicate	Total/NA	Water	7470A	
MB 500-855976/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-855976/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 856177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	7470A	855976
500-282400-2	MW-04	Total/NA	Water	7470A	855976
500-282400-3	MW-05	Total/NA	Water	7470A	855976
500-282400-4	MW-10	Total/NA	Water	7470A	855976
500-282400-5	Duplicate	Total/NA	Water	7470A	855976
MB 500-855976/12-A	Method Blank	Total/NA	Water	7470A	855976
LCS 500-855976/13-A	Lab Control Sample	Total/NA	Water	7470A	855976

General Chemistry

Analysis Batch: 855746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	SM 2540C	

Eurofins Chicago

QC Association Summary

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

Job ID: 500-282400-1

General Chemistry (Continued)

Analysis Batch: 855746 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-2	MW-04	Total/NA	Water	SM 2540C	
500-282400-3	MW-05	Total/NA	Water	SM 2540C	
500-282400-4	MW-10	Total/NA	Water	SM 2540C	
MB 500-855746/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-855746/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 855750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-5	Duplicate	Total/NA	Water	SM 2540C	
MB 500-855750/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-855750/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-282400-5 MS	Duplicate	Total/NA	Water	SM 2540C	
500-282400-5 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 856411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	SM 4500 F C	
500-282400-2	MW-04	Total/NA	Water	SM 4500 F C	
500-282400-3	MW-05	Total/NA	Water	SM 4500 F C	
500-282400-4	MW-10	Total/NA	Water	SM 4500 F C	
500-282400-5	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-856411/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-856411/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 856914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	300.0	
500-282400-2	MW-04	Total/NA	Water	300.0	
500-282400-3	MW-05	Total/NA	Water	300.0	
500-282400-4	MW-10	Total/NA	Water	300.0	
500-282400-5	Duplicate	Total/NA	Water	300.0	
MB 500-856914/3	Method Blank	Total/NA	Water	300.0	
LCS 500-856914/4	Lab Control Sample	Total/NA	Water	300.0	

Field Service / Mobile Lab

Analysis Batch: 855842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	Field Sampling	
500-282400-2	MW-04	Total/NA	Water	Field Sampling	
500-282400-3	MW-05	Total/NA	Water	Field Sampling	
500-282400-4	MW-10	Total/NA	Water	Field Sampling	

QC Sample Results

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

Job ID: 500-282400-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-855358/1-A
Matrix: Water
Analysis Batch: 855757

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 855358

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 14:46	1
Arsenic	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 14:46	1
Barium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 14:46	1
Beryllium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 14:46	1
Boron	<50		50		ug/L		02/27/26 08:02	03/02/26 14:46	1
Cadmium	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 14:46	1
Calcium	<0.20		0.20		mg/L		02/27/26 08:02	03/02/26 14:46	1
Chromium	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 14:46	1
Cobalt	<1.0		1.0		ug/L		02/27/26 08:02	03/02/26 14:46	1
Lead	<0.50		0.50		ug/L		02/27/26 08:02	03/02/26 14:46	1
Lithium	<10		10		ug/L		02/27/26 08:02	03/02/26 14:46	1
Molybdenum	<5.0		5.0		ug/L		02/27/26 08:02	03/02/26 14:46	1
Selenium	<2.5		2.5		ug/L		02/27/26 08:02	03/02/26 14:46	1
Thallium	<0.40		0.40		ug/L		02/27/26 08:02	03/02/26 14:46	1

Lab Sample ID: LCS 500-855358/2-A
Matrix: Water
Analysis Batch: 855757

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 855358

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Antimony	500	537		ug/L		107		80 - 120
Arsenic	100	100		ug/L		100		80 - 120
Barium	500	511		ug/L		102		80 - 120
Beryllium	50.0	51.0		ug/L		102		80 - 120
Boron	1000	1070		ug/L		107		80 - 120
Cadmium	50.0	52.7		ug/L		105		80 - 120
Calcium	10.0	9.82		mg/L		98		80 - 120
Chromium	200	202		ug/L		101		80 - 120
Cobalt	500	539		ug/L		108		80 - 120
Lead	100	101		ug/L		101		80 - 120
Lithium	100	111		ug/L		111		80 - 120
Molybdenum	1000	1030		ug/L		103		80 - 120
Selenium	100	99.0		ug/L		99		80 - 120
Thallium	100	104		ug/L		104		80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-855976/12-A
Matrix: Water
Analysis Batch: 856177

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 855976

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.20		0.20		ug/L		03/04/26 09:55	03/05/26 11:01	1

QC Sample Results

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

Job ID: 500-282400-1

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

Lab Sample ID: LCS 500-855976/13-A
 Matrix: Water
 Analysis Batch: 856177

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 855976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.00	1.97		ug/L		98	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-856914/3
 Matrix: Water
 Analysis Batch: 856914

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			03/11/26 13:17	1
Sulfate	<1.0		1.0		mg/L			03/11/26 13:17	1

Lab Sample ID: LCS 500-856914/4
 Matrix: Water
 Analysis Batch: 856914

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	21.1		mg/L		105	90 - 110
Sulfate	20.0	20.4		mg/L		102	90 - 110

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

Lab Sample ID: MB 500-855746/1
 Matrix: Water
 Analysis Batch: 855746

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			03/03/26 01:20	1

Lab Sample ID: LCS 500-855746/2
 Matrix: Water
 Analysis Batch: 855746

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	268		mg/L		107	80 - 120

Lab Sample ID: MB 500-855750/1
 Matrix: Water
 Analysis Batch: 855750

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			03/03/26 02:27	1

Lab Sample ID: LCS 500-855750/2
 Matrix: Water
 Analysis Batch: 855750

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

QC Sample Results

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

Job ID: 500-282400-1

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

Lab Sample ID: 500-282400-5 MS
Matrix: Water
Analysis Batch: 855750

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000		250	1300	4	mg/L		111	75 - 125

Lab Sample ID: 500-282400-5 DU
Matrix: Water
Analysis Batch: 855750

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1040		mg/L		2	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-856411/3
Matrix: Water
Analysis Batch: 856411

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			03/05/26 14:39	1

Lab Sample ID: LCS 500-856411/4
Matrix: Water
Analysis Batch: 856411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.73		mg/L		97	90 - 110

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-282400-1

Login Number: 282400

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	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	7.2,9.7
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.

Lab Chronicle

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

Job ID: 500-282400-1

Client Sample ID: MW-03

Lab Sample ID: 500-282400-1

Date Collected: 02/26/26 08:57

Matrix: Water

Date Received: 02/26/26 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855757	RN	EET CHI	03/02/26 15:48
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855866	RN	EET CHI	03/03/26 13:28
Total/NA	Prep	7470A			855976	MJG	EET CHI	03/04/26 09:55 - 03/04/26 11:55 ¹
Total/NA	Analysis	7470A		1	856177	MJG	EET CHI	03/05/26 11:39
Total/NA	Analysis	300.0		10	856914	MM	EET CHI	03/11/26 17:26
Total/NA	Analysis	SM 2540C		1	855746	CLB	EET CHI	03/03/26 02:11
Total/NA	Analysis	SM 4500 F C		1	856411	AC	EET CHI	03/05/26 15:42
Total/NA	Analysis	Field Sampling		1	855842	DN	EET CHI	02/26/26 08:57

Client Sample ID: MW-04

Lab Sample ID: 500-282400-2

Date Collected: 02/26/26 10:15

Matrix: Water

Date Received: 02/26/26 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855757	RN	EET CHI	03/02/26 16:02
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855866	RN	EET CHI	03/03/26 13:31
Total/NA	Prep	7470A			855976	MJG	EET CHI	03/04/26 09:55 - 03/04/26 11:55 ¹
Total/NA	Analysis	7470A		1	856177	MJG	EET CHI	03/05/26 11:45
Total/NA	Analysis	300.0		10	856914	MM	EET CHI	03/11/26 17:42
Total/NA	Analysis	SM 2540C		1	855746	CLB	EET CHI	03/03/26 02:14
Total/NA	Analysis	SM 4500 F C		1	856411	AC	EET CHI	03/05/26 15:44
Total/NA	Analysis	Field Sampling		1	855842	DN	EET CHI	02/26/26 10:15

Client Sample ID: MW-05

Lab Sample ID: 500-282400-3

Date Collected: 02/26/26 11:23

Matrix: Water

Date Received: 02/26/26 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855757	RN	EET CHI	03/02/26 16:05
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855866	RN	EET CHI	03/03/26 13:34
Total/NA	Prep	7470A			855976	MJG	EET CHI	03/04/26 09:55 - 03/04/26 11:55 ¹
Total/NA	Analysis	7470A		1	856177	MJG	EET CHI	03/05/26 11:47
Total/NA	Analysis	300.0		10	856914	MM	EET CHI	03/11/26 17:57
Total/NA	Analysis	SM 2540C		1	855746	CLB	EET CHI	03/03/26 02:16
Total/NA	Analysis	SM 4500 F C		1	856411	AC	EET CHI	03/05/26 15:56
Total/NA	Analysis	Field Sampling		1	855842	DN	EET CHI	02/26/26 11:23

Lab Chronicle

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

Job ID: 500-282400-1

Client Sample ID: MW-10

Lab Sample ID: 500-282400-4

Date Collected: 02/26/26 12:32

Matrix: Water

Date Received: 02/26/26 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855757	RN	EET CHI	03/02/26 16:08
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855866	RN	EET CHI	03/03/26 13:37
Total/NA	Prep	7470A			855976	MJG	EET CHI	03/04/26 09:55 - 03/04/26 11:55 ¹
Total/NA	Analysis	7470A		1	856177	MJG	EET CHI	03/05/26 11:49
Total/NA	Analysis	300.0		10	856914	MM	EET CHI	03/11/26 18:13
Total/NA	Analysis	SM 2540C		1	855746	CLB	EET CHI	03/03/26 02:19
Total/NA	Analysis	SM 4500 F C		1	856411	AC	EET CHI	03/05/26 15:59
Total/NA	Analysis	Field Sampling		1	855842	DN	EET CHI	02/26/26 12:32

Client Sample ID: Duplicate

Lab Sample ID: 500-282400-5

Date Collected: 02/26/26 00:00

Matrix: Water

Date Received: 02/26/26 15:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855757	RN	EET CHI	03/02/26 16:10
Total Recoverable	Prep	3005A			855358	BDE	EET CHI	02/27/26 08:02 - 02/27/26 14:02 ¹
Total Recoverable	Analysis	6020B		1	855866	RN	EET CHI	03/03/26 13:40
Total/NA	Prep	7470A			855976	MJG	EET CHI	03/04/26 09:55 - 03/04/26 11:55 ¹
Total/NA	Analysis	7470A		1	856177	MJG	EET CHI	03/05/26 11:50
Total/NA	Analysis	300.0		10	856914	MM	EET CHI	03/11/26 18:29
Total/NA	Analysis	SM 2540C		1	855750	CLB	EET CHI	03/03/26 02:32
Total/NA	Analysis	SM 4500 F C		1	856411	AC	EET CHI	03/05/26 16:02

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, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200



Parameter Well	MW-03	MW-04	MW-05	MW-10	
Field pH		7.24	7.27	7.31	7.2
Field Temp (deg C)		8.5	10.1	11.0	11.3
Field Specific Conductance (mS/cm)		1.339	1.392	1.361	1.462
Dissolved Oxygen (mg/L)		6.38	7.08	6.34	7.41
Field Turbidity NTU		34.36	13.69	6.83	7.01
ORP (mV)		239.1	229.1	228.6	249.4
Groundwater Elevation (ft)		505.45	505.37	504.91	505.45
Description	Clear	Clear	Clear	Clear	
	Dedicated Bladder	Dedicated bladder	Dedicated bladder	Dedicated bladder	
Sampling Method	pump	pump	pump	pump	

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

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

Generated 3/27/2026 3:44:41 PM

JOB DESCRIPTION

Joliet #29 CCR (RAD)

JOB NUMBER

500-282400-2

Eurofins Chicago

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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Authorized for release by
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Case Narrative

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

Job ID: 500-282400-2

Job ID: 500-282400-2

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Job Narrative 500-282400-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 2/26/2026 3:15 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 7.2°C and 9.7°C.

Gas Flow Proportional Counter

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.

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Method Summary

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

Job ID: 500-282400-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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



Sample Summary

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

Job ID: 500-282400-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
500-282400-1	MW-03	Water	02/26/26 08:57	02/26/26 15:15	Illinois
500-282400-2	MW-04	Water	02/26/26 10:15	02/26/26 15:15	Illinois
500-282400-3	MW-05	Water	02/26/26 11:23	02/26/26 15:15	Illinois
500-282400-4	MW-10	Water	02/26/26 12:32	02/26/26 15:15	Illinois
500-282400-5	Duplicate	Water	02/26/26 00:00	02/26/26 15:15	Illinois

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Client Sample Results

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

Job ID: 500-282400-2

Client Sample ID: MW-03
Date Collected: 02/26/26 08:57
Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-1
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0388	U	0.189	0.189	1.00	0.367	pCi/L	03/02/26 06:39	03/26/26 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					03/02/26 06:39	03/26/26 14:10	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	0.626	U	0.434	0.438	1.00	0.654	pCi/L	03/02/26 06:43	03/26/26 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					03/02/26 06:43	03/26/26 09:56	1
Y Carrier	83.0		30 - 110					03/02/26 06:43	03/26/26 09:56	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	0.664		0.473	0.477	5.00	0.654	pCi/L		03/27/26 13:21	1

Client Sample Results

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

Job ID: 500-282400-2

Client Sample ID: MW-04

Lab Sample ID: 500-282400-2

Date Collected: 02/26/26 10:15

Matrix: Water

Date Received: 02/26/26 15:15

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	0.193	U	0.225	0.226	1.00	0.367	pCi/L	03/02/26 06:39	03/26/26 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					03/02/26 06:39	03/26/26 14:10	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	0.394	U	0.379	0.381	1.00	0.607	pCi/L	03/02/26 06:43	03/26/26 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					03/02/26 06:43	03/26/26 09:56	1
Y Carrier	80.7		30 - 110					03/02/26 06:43	03/26/26 09:56	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	0.588	U	0.441	0.443	5.00	0.607	pCi/L		03/27/26 13:21	1

Client Sample Results

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

Job ID: 500-282400-2

Client Sample ID: MW-05
Date Collected: 02/26/26 11:23
Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.107	U	0.255	0.256	1.00	0.462	pCi/L	03/02/26 06:39	03/26/26 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					03/02/26 06:39	03/26/26 14:10	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	0.431	U	0.532	0.533	1.00	0.880	pCi/L	03/02/26 06:43	03/26/26 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					03/02/26 06:43	03/26/26 09:56	1
Y Carrier	83.4		30 - 110					03/02/26 06:43	03/26/26 09:56	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	0.539	U	0.590	0.591	5.00	0.880	pCi/L		03/27/26 13:21	1

Client Sample Results

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

Job ID: 500-282400-2

Client Sample ID: MW-10

Lab Sample ID: 500-282400-4

Date Collected: 02/26/26 12:32

Matrix: Water

Date Received: 02/26/26 15:15

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	0.349		0.247	0.249	1.00	0.348	pCi/L	03/02/26 06:39	03/26/26 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					03/02/26 06:39	03/26/26 14:10	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	0.281	U	0.439	0.440	1.00	0.743	pCi/L	03/02/26 06:43	03/26/26 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					03/02/26 06:43	03/26/26 09:56	1
Y Carrier	80.0		30 - 110					03/02/26 06:43	03/26/26 09:56	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	0.630	U	0.504	0.506	5.00	0.743	pCi/L		03/27/26 13:21	1

Client Sample Results

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

Job ID: 500-282400-2

Client Sample ID: Duplicate
Date Collected: 02/26/26 00:00
Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-5
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	-0.0497	U	0.212	0.212	1.00	0.437	pCi/L	03/02/26 06:39	03/26/26 14:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					03/02/26 06:39	03/26/26 14:10	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	0.0904	U	0.357	0.358	1.00	0.641	pCi/L	03/02/26 06:43	03/26/26 09:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.7		30 - 110					03/02/26 06:43	03/26/26 09:56	1
Y Carrier	84.5		30 - 110					03/02/26 06:43	03/26/26 09:56	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	0.0407	U	0.415	0.416	5.00	0.641	pCi/L		03/27/26 13:21	1

Definitions/Glossary

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

Job ID: 500-282400-2

Qualifiers

Rad

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

Glossary

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

QC Association Summary

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

Job ID: 500-282400-2

Rad

Prep Batch: 759245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	PrecSep-21	
500-282400-2	MW-04	Total/NA	Water	PrecSep-21	
500-282400-3	MW-05	Total/NA	Water	PrecSep-21	
500-282400-4	MW-10	Total/NA	Water	PrecSep-21	
500-282400-5	Duplicate	Total/NA	Water	PrecSep-21	
MB 160-759245/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-759245/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-282400-2 DU	MW-04	Total/NA	Water	PrecSep-21	

Prep Batch: 759246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-282400-1	MW-03	Total/NA	Water	PrecSep_0	
500-282400-2	MW-04	Total/NA	Water	PrecSep_0	
500-282400-3	MW-05	Total/NA	Water	PrecSep_0	
500-282400-4	MW-10	Total/NA	Water	PrecSep_0	
500-282400-5	Duplicate	Total/NA	Water	PrecSep_0	
MB 160-759246/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-759246/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-282400-2 DU	MW-04	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-282400-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-759245/1-A
Matrix: Water
Analysis Batch: 763151

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759245

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.02804	U	0.140	0.140	1.00	0.315	pCi/L	03/02/26 06:39	03/26/26 13:58	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	84.3		30 - 110			03/02/26 06:39	03/26/26 13:58	1		

Lab Sample ID: LCS 160-759245/2-A
Matrix: Water
Analysis Batch: 763151

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759245

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	9.57	8.390		1.17	1.00	0.309	pCi/L	88	75 - 125
Carrier	LCS	LCS	Limits			Prepared	Analyzed	Dil Fac	
	%Yield	Qualifier							
Ba Carrier	83.7		30 - 110						

Lab Sample ID: 500-282400-2 DU
Matrix: Water
Analysis Batch: 763152

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 759245

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-226	0.193	U	0.2526	U	0.263	1.00	0.419	pCi/L	0.12	1
Carrier	DU	DU	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	86.3		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-759246/1-A
Matrix: Water
Analysis Batch: 763150

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 759246

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.04527	U	0.381	0.381	1.00	0.712	pCi/L	03/02/26 06:43	03/26/26 09:57	1
Carrier	MB	MB	Limits			Prepared	Analyzed	Dil Fac		
	%Yield	Qualifier								
Ba Carrier	84.3		30 - 110			03/02/26 06:43	03/26/26 09:57	1		
Y Carrier	84.9		30 - 110			03/02/26 06:43	03/26/26 09:57	1		

QC Sample Results

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

Job ID: 500-282400-2

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

Lab Sample ID: LCS 160-759246/2-A
Matrix: Water
Analysis Batch: 763150

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 759246

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
Radium-228	9.30	10.16		1.42	1.00	0.652	pCi/L	109	75 - 125	
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	83.7		30 - 110							
Y Carrier	84.1		30 - 110							

Lab Sample ID: 500-282400-2 DU
Matrix: Water
Analysis Batch: 763150

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 759246

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.394	U	0.05490	U	0.350	1.00	0.638	pCi/L	0.46	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	86.3		30 - 110							
Y Carrier	82.6		30 - 110							

Eurofins Chicago

18410 Crossing Drive Suite E
 Tinley Park, IL 60487
 Phone: 708-534-5200 Fax 708-534-5211

Chain of Custody Record

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Client Information		Sample: JAN JOHN HANSEN	Lab PM: Mockler Diana J	Carrier Tracking No(s)	COC No: 500-146405-45941 1							
Client Contact: Patrick Allenstein		Phone: 320-240-6850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin	Page: Page 1 of 1							
Company: KPRG and Associates, Inc		PWSID	Analysis Requested									
Address: 14665 West Lisbon Road, Suite 1A City: Brockfield State, Zip: WI 53005 Phone: 500-282400 COC		Due Date Requested:	Job #: 500-282400									
Email: patricka@kprginc.com		TAT Requested (days):	Preservation Codes: D HMO3 N N									
Project Name: Joliet #29 CCR/ Event Desc: Quarterly MWG Joliet #29 CCR		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No	Other									
Project #: 50011568		PO #: 4502229632	Total Number of Containers									
Site: Illinois		WO #	Special Instructions/Note.									
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B7=Toxic, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 6020A, 7470A	2540C, 4500_F, C, SM4500_C1_E, SM4500_SO4_E	903.0, 904.0	Total Number of Containers	Special Instructions/Note.
1	MW-03	2-26-26	08:57	G	Water						5	
2	MW-04	2-26-26	10:15	G	Water						5	
3	MW-05	2-26-26	11:23	G	Water						5	
4	MW-10	2-26-26	12:32	G	Water						5	
5	Duplicate	2-26-26	—	G	Water						5	
					Water							
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements						
Empty Kit Relinquished by		Date		Time		Method of Shipment						
Relinquished by: <i>[Signature]</i>		Date/Time: 2-26-26 15:15		Company: KPRG		Received by: <i>[Signature]</i>		Date/Time: 2/26/26 15:15		Company: <i>[Signature]</i>		
Relinquished by		Date/Time		Company		Received by		Date/Time		Company		
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 2.4 → 2.2, 9.9 → 9.7								

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Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Mockler, Diana J	Carrier Tracking No(s): N/A	COC No: 500-218855-1
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.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-282400-1	Preservation Codes:
Address: 13715 Rider Trail North, Earth City, MO, 63045		Due Date Requested: 3/18/2026		Analysis Requested:	
City: Earth City		TAT Requested (days): N/A		Total Number of Containers	
State, Zip: MO, 63045		PO #: N/A		903.0/PrecSep_21Standard Target List	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #: N/A		904.0/PrecSep_05Standard Target List	
Email: N/A		Project #: 50011568		Perform MSM/SD (Yes or No)	
Project Name: Joliet #29 CCR		SSOW#: N/A		Field Filtered Sample (Yes or No)	
Site: NRG Midwest Generation LSO, Joliet#29 CCR		Sample Date		Preservation Code	
Sample Identification - Client ID (Lab ID)		Sample Time		Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	
MW-03 (500-282400-1)	2/26/26	08:57 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-04 (500-282400-2)	2/26/26	10:15 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-05 (500-282400-3)	2/26/26	11:23 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
MW-10 (500-282400-4)	2/26/26	12:32 Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
Duplicate (500-282400-5)	2/26/26	Central	G	Water	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume.
<p>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.</p>					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Date: _____ Time: _____					
Empty Kit Relinquished by: _____					
Relinquished by: <i>Stephanie Hemondy</i> Date/Time: 2/26/26 1000 Company: EETA					
Relinquished by: _____ Date/Time: _____ Company: _____					
Relinquished by: _____ Date/Time: _____ Company: _____					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Custody Seal No.: _____					
Cooler Temperature(s) °C and Other Remarks: _____					
<p>Special Instructions/Note:</p> <p><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months</p> <p>Special Instructions/QC Requirements:</p>					



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-282400-2

Login Number: 282400

List Source: Eurofins Chicago

List Number: 1

Creator: Scott, Sherri L

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.	True	
Cooler Temperature is acceptable.	True	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	7.2,9.7
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 <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: 500-282400-2

Login Number: 282400

List Number: 2

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

List Creation: 02/27/26 11:00 AM

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

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



Lab Chronicle

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

Job ID: 500-282400-2

Client Sample ID: MW-03

Date Collected: 02/26/26 08:57

Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759245	AMS	EET SL	03/02/26 06:39
Total/NA	Analysis	903.0		1	763152	SWS	EET SL	03/26/26 14:10
Total/NA	Prep	PrecSep_0			759246	AMS	EET SL	03/02/26 06:43
Total/NA	Analysis	904.0		1	763150	SWS	EET SL	03/26/26 09:56
Total/NA	Analysis	Ra226_Ra228		1	762845	FLC	EET SL	03/27/26 13:21

Client Sample ID: MW-04

Date Collected: 02/26/26 10:15

Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759245	AMS	EET SL	03/02/26 06:39
Total/NA	Analysis	903.0		1	763152	SWS	EET SL	03/26/26 14:10
Total/NA	Prep	PrecSep_0			759246	AMS	EET SL	03/02/26 06:43
Total/NA	Analysis	904.0		1	763150	SWS	EET SL	03/26/26 09:56
Total/NA	Analysis	Ra226_Ra228		1	762845	FLC	EET SL	03/27/26 13:21

Client Sample ID: MW-05

Date Collected: 02/26/26 11:23

Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759245	AMS	EET SL	03/02/26 06:39
Total/NA	Analysis	903.0		1	763152	SWS	EET SL	03/26/26 14:10
Total/NA	Prep	PrecSep_0			759246	AMS	EET SL	03/02/26 06:43
Total/NA	Analysis	904.0		1	763150	SWS	EET SL	03/26/26 09:56
Total/NA	Analysis	Ra226_Ra228		1	762845	FLC	EET SL	03/27/26 13:21

Client Sample ID: MW-10

Date Collected: 02/26/26 12:32

Date Received: 02/26/26 15:15

Lab Sample ID: 500-282400-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			759245	AMS	EET SL	03/02/26 06:39
Total/NA	Analysis	903.0		1	763152	SWS	EET SL	03/26/26 14:10
Total/NA	Prep	PrecSep_0			759246	AMS	EET SL	03/02/26 06:43
Total/NA	Analysis	904.0		1	763150	SWS	EET SL	03/26/26 09:56
Total/NA	Analysis	Ra226_Ra228		1	762845	FLC	EET SL	03/27/26 13:21

Lab Chronicle

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

Job ID: 500-282400-2

Client Sample ID: Duplicate

Lab Sample ID: 500-282400-5

Date Collected: 02/26/26 00:00

Matrix: Water

Date Received: 02/26/26 15:15

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	PrecSep-21			759245	AMS	EET SL	03/02/26 06:39
Total/NA	Analysis	903.0		1	763152	SWS	EET SL	03/26/26 14:10
Total/NA	Prep	PrecSep_0			759246	AMS	EET SL	03/02/26 06:43
Total/NA	Analysis	904.0		1	763150	SWS	EET SL	03/26/26 09:56
Total/NA	Analysis	Ra226_Ra228		1	762845	FLC	EET SL	03/27/26 13:21

Laboratory References:

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



Tracer/Carrier Summary

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

Job ID: 500-282400-2

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)	
500-282400-1	MW-03	82.6	
500-282400-2	MW-04	88.6	
500-282400-2 DU	MW-04	86.3	
500-282400-3	MW-05	74.9	
500-282400-4	MW-10	87.1	
500-282400-5	Duplicate	85.7	
LCS 160-759245/2-A	Lab Control Sample	83.7	
MB 160-759245/1-A	Method Blank	84.3	

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)
500-282400-1	MW-03	82.6	83.0
500-282400-2	MW-04	88.6	80.7
500-282400-2 DU	MW-04	86.3	82.6
500-282400-3	MW-05	74.9	83.4
500-282400-4	MW-10	87.1	80.0
500-282400-5	Duplicate	85.7	84.5
LCS 160-759246/2-A	Lab Control Sample	83.7	84.1
MB 160-759246/1-A	Method Blank	84.3	84.9

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

PROJECT NAME	NRG - JOLIET #29 STATION (12313.0)		DATE	2-26-26
Sample Name	MW-03	Start Time	08:42	
Condition of Well	GOOD			
Water Level	33.39	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	CONDENSED TRACE ODORLESS TURB	
Volume Removed	1.5 QRS	W L at Sample Time		
Method of Sample	Low-Flow	Sample Characteristics	APPEARS TRACE TURB CLEAR (CA FILTERED)	
Sample Analysis	CCA + CCR + CCR DUPS	Sample Time	08:57	
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)
08:45	33.39	7.35	11.7	1.475	7.37	213.6	46.41
08:48	33.39	7.27	11.1	1.467	7.19	224.5	39.35
08:51	—	7.29	8.6	1.369	6.82	231.5	39.18
08:54	33.39	7.25	8.5	1.343	6.45	237.5	34.08
08:57	33.39	7.24	8.5	1.339	6.38	239.1	34.36
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - JOLIET #29 STATION (12313.0)		DATE	2-26-26
Sample Name	MW-04	Start Time	10:01	
Condition of Well	Good			
Water Level	33.69	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.0 QRS	W L at Sample Time	33.69	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	10:15	
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)
10:04	33.70	7.70	6.8	1.204	8.63	209.3	23.94
10:07	33.70	7.38	8.7	1.304	7.57	219.1	13.90
10:10	—	7.30	9.7	1.371	7.02	223.4	12.41
10:13	33.69	7.28	10.1	1.391	7.01	227.6	12.17
10:15	33.69	7.27	10.1	1.392	7.08	229.1	13.69
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - JOLIET #29 STATION (12313.0)		DATE	2-26-26
Sample Name	MW-05	Start Time	11:08	
Condition of Well	GOOD			
Water Level	34.43	Total Depth	_____	
Well Diameter	PVC - 2 inch	Volume in Well	_____	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.75 Q ₁₀	W L at Sample Time	34.43	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	11:23	
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)
11:11	34.44	8.00	9.5	1.118	9.49	183.6	12.03
11:14	34.43	7.61	10.7	1.246	7.63	204.3	6.11
11:17	34.43	7.40	10.9	1.321	6.72	217.9	5.75
11:20	34.43	7.32	11.1	1.354	6.38	226.6	6.52
11:23	34.43	7.31	11.0	1.361	6.34	228.6	6.83

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - JOLIET #29 STATION (12313.0)		DATE	2-26-26
Sample Name	MW-10	Start Time	12:17	
Condition of Well	GOOD			
Water Level	34.64	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.75 GGS	W L at Sample Time	34.64	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA FILTERED.	
Sample Analysis	CCA + CCR	Sample Time	12:32	
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)
12:20	34.63	7.41	9.4	1.213	9.60	210.3	11.27
12:23	34.64	7.26	10.8	1.390	8.16	228.2	7.55
12:26	—	7.22	11.0	1.435	7.73	239.2	6.81
12:29	34.64	7.20	11.2	1.458	7.46	246.9	6.89
12:32	34.64	7.20	11.3	1.462	7.41	249.4	7.01

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

