

## **DATA SUMMARY POSTING**

Station: Midwest Generation Will County Generating Station

Regulated Unit(s):   Pond 1N (IEPA ID No. W1978100011-01)  
                          Pond 1S (IEPA ID No. W1978100011-02)

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 1<sup>st</sup> 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. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements.

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 for Ponds 1N and 1S dated March 31, 2022. 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 1A. Groundwater Analytical Results-Midwest Generation, LLC, Will County Station, Romeoville, IL, Pond 1N.

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-01 up-gradient	5/3/2021	2.6	170	F1 21	0.62	6.83	390	1200	< 0.003	< 0.001	0.095	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.034	< 0.0002	0.012	0.623	0.0093	< 0.002
	5/24/2021	2.5	200	18	0.63	6.86	350	1100	< 0.003	< 0.001	0.093	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.036	< 0.0002	F1 < 0.012	0.953	0.012	< 0.002
	6/7/2021	3.0	200	18	0.63	6.52	380	510	< 0.003	< 0.001	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	< 0.0002	0.013	< 0.372	0.01	< 0.002
	6/25/2021	B 2.6	200	20	0.59	6.64	410	1200	^+ < 0.003	< 0.001	0.097	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.037	< 0.0002	0.014	0.672	0.0042	< 0.002
	7/12/2021	2.4	190	16	0.60	6.55	320	1000	< 0.003	0.0012	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.013	0.457	0.012	< 0.002
	8/2/2021	2.4	200	18	0.65	6.57	410	1300	< 0.003	0.001	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.014	0.478	0.0095	< 0.002
	8/23/2021	2.4	200	18	0.61	6.99	400	1100	< 0.003	< 0.001	0.100	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.014	0.697	0.0058	< 0.002
	11/19/2021	2.0	170	29	0.56	6.62	260	970	< 0.003	< 0.001	0.090	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.0098	1.16	0.017	< 0.002
	2/21/2022	2.0	190	26	0.55	6.63	370	1200	< 0.003	< 0.001	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.011	0.773	0.0079	< 0.002
	6/15/2022	2.6	180	33	0.61	6.43	350	1100	< 0.003	< 0.001	0.09	< 0.001	0.00054	< 0.005	< 0.001	< 0.0005	0.033	< 0.0002	0.015	0.945	0.0087	< 0.002
	8/24/2022	2.7	180	24	0.61	6.51	370	1400	< 0.003	< 0.001	0.093	< 0.001	^1+ 0.00092	< 0.005	0.0016	0.00078	0.038	< 0.0002	0.015	0.581	0.0047	< 0.002
	11/15/2022	2.9	190	22	1.00	6.59	360	1100	< 0.003	0.0011	0.097	^+ < 0.001	0.00052	< 0.005	0.001	0.00057	0.039	< 0.0002	0.014	< 0.63	0.0085	< 0.002
	2/22/2023	2	170	29	0.49	6.93	360	1000	< 0.003	< 0.001	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.031	< 0.0002	0.013	< 0.544	0.0092	< 0.002
	4/27/2023	2.4	120	77	0.69	6.79	400	1100	< 0.0030	< 0.0010	0.065	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.028	< 0.00020	0.041	0.824	< 0.0025	< 0.0020
	7/27/2023	2.3	170	29	0.58	6.54	320	1000	< 0.0030	< 0.0010	0.088	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.036	< 0.00020	0.016	1.92	0.013	< 0.0020
	10/23/2023	2.1	160	21	0.55	6.47	240	1000	< 0.0030	< 0.0010	B 0.087	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.038	< 0.00020	0.012	< 0.625	0.0099	< 0.0020
2/6/2024	2.8	120	72	0.75	6.83	400	1100	^1+ < 0.0030	< 0.0010	0.076	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.049	0.686	0.0032	< 0.0020	
MW-02 up-gradient	5/3/2021	5.3	87	28	0.41	7.76	500	1100	< 0.003	0.009	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.046	< 0.0002	0.072	1.3	< 0.0025	< 0.002
	5/24/2021	5.2	88	24	0.41	7.77	550	1100	< 0.003	0.0099	0.059	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.047	< 0.0002	0.07	1.19	< 0.0025	< 0.002
	6/7/2021	6.5	100	25	0.4	7.60	540	1100	< 0.003	0.011	0.057	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.081	0.54	< 0.0025	< 0.002
	6/28/2021	B 5.3	95	23	0.36	7.93	500	1200	^+ < 0.003	0.012	0.059	< 0.001	< 0.0005	0.0057	< 0.001	< 0.0005	0.046	< 0.0002	0.075	0.8	< 0.0025	< 0.002
	7/12/2021	5.2	97	21	0.37	7.53	480	970	< 0.003	0.012	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.051	< 0.0002	0.071	1.07	< 0.0025	< 0.002
	8/2/2021	4.8	92	24	0.37	7.54	520	1200	< 0.003	0.011	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.073	0.798	< 0.0025	< 0.002
	8/23/2021	5.0	92	26	0.38	8.02	530	830	< 0.003	0.011	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.075	0.986	< 0.0025	< 0.002
	11/19/2021	5.2	86	27	0.38	7.72	520	1100	< 0.003	0.014	0.057	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.068	1.43	< 0.0025	< 0.002
	2/21/2022	4.9	92	32	0.43	7.65	550	1100	< 0.003	0.01	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.083	< 0.848	< 0.0025	< 0.002
	6/15/2022	5.3	91	30	0.39	7.32	460	1100	< 0.003	0.01	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.073	1.17	< 0.0025	< 0.002
	8/24/2022	5.6	81	28	0.38	7.73	480	1100	< 0.003	0.015	0.059	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.07	0.984	< 0.0025	< 0.002
	11/15/2022	6.5	99	27	0.64	7.64	530	1000	< 0.003	0.017	0.069	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00052	0.047	< 0.0002	0.076	2.13	< 0.0025	< 0.002
	2/22/2023	4.6	89	29	0.38	7.86	460	980	< 0.003	0.0095	0.06	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.075	0.974	< 0.0025	< 0.002
	4/27/2023	4.6	83	29	0.37	7.60	430	1000	< 0.0030	0.0088	0.053	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.043	< 0.00020	0.072	0.961	< 0.0025	< 0.0020
	7/27/2023	5.8	89	28	0.38	7.50	490	990	< 0.0030	0.011	0.056	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.046	< 0.00020	0.073	1.31	< 0.0025	< 0.0020
	10/23/2023	5.7	93	26	0.36	7.56	480	1100	< 0.0030	0.012	B 0.061	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.050	< 0.00020	0.07	0.726	< 0.0025	< 0.0020
2/6/2024	4.7	87	43	0.37	7.58	410	960	^1+ < 0.0030	0.011	0.066	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.067	< 0.532	< 0.0025	< 0.0020	
MW-07 down gradient	5/4/2021	4.0	130	110	0.69	8.29	490	1000	< 0.003	0.022	0.063	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.026	< 0.0002	0.051	0.952	< 0.0025	< 0.002
	5/24/2021	4.2	150	140	0.53	8.38	590	1400	< 0.003	0.022	0.064	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.028	< 0.0002	0.049	1.28	< 0.0025	< 0.0025
	6/7/2021	4.0	110	120	0.69	7.62	480	1000	< 0.003	0.0026	0.064	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.07	1.25	< 0.0025	< 0.002
	6/25/2021	B 6.0	290	250	0.42	6.35	850	2300	^+ < 0.003	0.0024	0.12	< 0.001	< 0.0005	0.034	0.0012	< 0.0005	0.032	< 0.0002	0.051	0.694	0.0039	< 0.002
	7/12/2021	4.6	230	170	0.65	6.87	510	1400	< 0.003	0.0044	0.063	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.05	1.4	0.0031	< 0.002
	8/2/2021	3.1	120	130	0.69	7.97	450	980	< 0.003	0.0036	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.024	< 0.0002	0.068	1.07	< 0.0025	< 0.002
	8/25/2021	2.8	80	130	0.73	8.63	420	800	< 0.003	0.0027	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.019	< 0.0002	0.076	1.21	< 0.0025	< 0.002
	11/19/2021	3.9	170	190	0.48	6.62	680	1800	< 0.003	0.0065	0.048	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.033	2.4	< 0.0025	< 0.002
	2/22/2022	2.6	160	130	0.42	6.50	290	1200	< 0.003	0.0012	0.059	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.022	< 0.0002	0.016	< 0.529	< 0.0025	< 0.002
	6/15/2022	4.4	150	120	0.68	7.24	520	1100	< 0.003	0.0045	0.075	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.0002	0.056	1.3	&	

Table 1B. Groundwater Analytical Results-Midwest Generation, LLC, Will County Station, Romeoville, IL, Pond 1S.

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-03 up gradient	5/3/2021	3.3	140	18	0.31	6.90	240	890	< 0.003	0.0011	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.017	0.993	< 0.0025	< 0.002
	5/24/2021	3.2	120	19	0.34	6.91	270	900	< 0.003	0.001	0.001	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	0.018	0.922	< 0.0025	< 0.002
	6/8/2021	3.7	140	21	0.32	6.75	290	940	< 0.003	0.0014	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	0.017	0.857	< 0.0025	< 0.002
	6/28/2021	B 3.6	120	23	0.32	7.17	290	930	< 0.003	0.0023	0.091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.044	< 0.0002	0.022	1.03	< 0.0025	< 0.002
	7/12/2021	3.8	120	27	0.33	6.88	270	870	< 0.003	0.0033	0.10	< 0.001	0.00053	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.028	1.97	< 0.0025	< 0.002
	8/2/2021	6.2	120	31	0.3	6.86	280	920	< 0.003	0.0053	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.043	< 0.0002	0.021	1.16	< 0.0025	< 0.002
	8/24/2021	3.3	120	F1 F2 50	0.35	7.28	300	890	< 0.003	0.0021	0.091	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.042	< 0.0002	0.022	0.763	< 0.0025	< 0.002
	11/19/2021	3.7	160	27	0.32	6.67	330	970	< 0.003	0.0016	0.12	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.039	< 0.0002	0.025	2.47	< 0.0025	< 0.002
	2/24/2022	2.6	220	18	0.3	6.53	360	1200	< 0.003	0.0015	0.12	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.032	< 0.0002	0.014	1.11	0.046	< 0.002
	6/16/2022	4.0	140	18	0.31	6.62	300	910	< 0.003	0.0014	0.10	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.022	1.38	< 0.0025	< 0.002
	8/24/2022	3.4	140	35	0.34	6.73	360	1200	< 0.003	< 0.001	0.096	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.035	< 0.0002	0.018	1.24	< 0.0025	< 0.002
	11/15/2022	3.5	140	43	F1 0.64	6.79	360	990	< 0.003	0.0039	0.095	^+ < 0.001	< 0.0005	< 0.005	0.0012	0.00063	0.037	< 0.0002	0.021	1.78	< 0.0025	< 0.002
	2/22/2023	2.4	180	14	0.29	6.83	330	1000	< 0.003	< 0.001	0.099	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.03	< 0.0002	0.013	0.76	0.03	< 0.002
	4/27/2023	3.2	150	16	0.28	6.54	320	1000	< 0.0030	0.0013	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.040	< 0.00020	0.021	1.12	0.0057	< 0.0020
	7/27/2023	3.5	160	16	0.25	6.53	280	930	< 0.0030	0.0010	0.11	^+ < 0.0010	< 0.00050	< 0.0050	0.0010	< 0.00050	0.043	< 0.00020	0.013	1.43	0.0053	< 0.0020
	10/23/2023	3.7	140	19	0.26	6.63	200	900	< 0.0030	< 0.0010	B 0.10	< 0.0010	< 0.00050	< 0.0050	0.0012	< 0.00050	0.034	< 0.00020	0.011	1.90	0.0042	< 0.0020
	2/6/2024	3.9	150	14	0.28	6.73	270	890	^1+ < 0.0030	< 0.0010	0.097	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.10	< 0.00020	0.018	1.12	0.0041	< 0.0020
	MW-04 up gradient	5/3/2021	5.1	310	28	0.36	6.76	910	2000	< 0.003	0.003	0.046	< 0.001	< 0.0005	< 0.005	0.0019	< 0.0005	0.026	< 0.0002	0.026	1.16	< 0.0025
5/24/2021		5.5	340	24	0.38	6.90	950	2000	< 0.003	0.0039	0.047	^1+ < 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.027	< 0.0002	0.028	1.72	0.0051	< 0.002
6/8/2021		5.7	310	24	0.37	6.58	910	2000	< 0.003	0.0026	0.043	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.027	< 0.0002	0.028	< 0.459	0.0076	< 0.002
6/28/2021		B 5.6	330	20	0.35	6.95	930	2100	< 0.003	0.011	0.043	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.025	< 0.0002	0.027	1.12	0.019	< 0.002
7/12/2021		5.9	320	16	0.38	6.70	970	2100	< 0.003	0.01	0.049	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.03	< 0.0002	0.033	1.68	0.0056	< 0.002
8/2/2021		5.3	310	21	0.38	6.71	1000	2200	< 0.003	0.0039	0.046	< 0.001	< 0.0005	< 0.005	0.0018	< 0.0005	0.027	< 0.0002	0.032	1.18	< 0.0025	< 0.002
8/24/2021		6.2	320	90	0.40	7.09	1100	1700	< 0.003	0.0075	0.046	< 0.001	< 0.0005	< 0.005	0.002	< 0.0005	0.028	< 0.0002	0.035	< 0.642	< 0.0025	< 0.002
11/19/2021		6.1	300	23	0.36	6.69	840	1900	< 0.003	0.0063	0.044	^1+ < 0.001	< 0.0005	< 0.005	0.0022	< 0.0005	0.022	< 0.0002	0.023	1.17	< 0.0025	< 0.002
2/24/2022		4.7	350	16	0.37	6.50	950	2100	< 0.003	0.037	0.02	^1+ < 0.001	< 0.0005	< 0.005	0.0017	< 0.0005	0.02	< 0.0002	0.028	< 0.424	0.09	< 0.002
6/16/2022		5.5	310	22	0.37	6.55	990	2200	< 0.003	0.003	0.045	< 0.001	< 0.0005	< 0.005	0.0021	< 0.0005	0.023	< 0.0002	0.026	1.39	0.0044	< 0.002
8/24/2022		5.8	280	18	0.40	6.57	810	2000	< 0.003	0.0053	0.044	< 0.001	^1+ < 0.0005	< 0.005	0.003	< 0.0005	0.019	< 0.0002	0.021	1.41	0.003	< 0.002
11/15/2022		5.6	290	19	0.64	6.64	770	1700	< 0.003	0.011	0.047	^+ < 0.001	< 0.0005	< 0.005	0.0032	< 0.0005	0.02	< 0.0002	0.021	4.15	0.0061	< 0.002
2/22/2023		3.7	390	36	0.38	6.77	1200	2500	< 0.003	0.0044	0.035	< 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.02	< 0.0002	0.032	0.795	0.067	< 0.002
4/27/2023		4.3	310	25	0.33	6.51	870	2000	< 0.0030	0.0027	0.039	< 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.021	< 0.00020	0.023	1.19	0.0091	< 0.0020
7/27/2023		4.9	300	20	0.36	6.49	790	1700	< 0.0030	0.0017	0.041	^+ < 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.021	< 0.00020	0.019	1.28	0.026	< 0.0020
10/23/2023		4.6	210	12	0.40	6.55	500	1300	< 0.0030	0.0013	0.043	< 0.0010	< 0.00050	< 0.0050	0.0015	< 0.00050	0.019	< 0.00020	0.022	0.923	0.013	< 0.0020
2/6/2024		4.2	350	59	0.28	6.51	950	2100	^1+ < 0.0030	0.0039	0.037	^+ < 0.0010	< 0.00050	< 0.0050	0.0012	< 0.00050	< 0.10	< 0.00020	0.039	0.770	0.043	< 0.0020
MW-08 down gradient		5/4/2021	2.6	190	290	0.51	6.95	490	1900	< 0.003	0.0073	0.081	< 0.001	< 0.0005	< 0.005	0.0015	< 0.0005	0.015	< 0.0002	0.047	0.873	< 0.0025
	5/25/2021	2.8	170	290	0.51	6.90	540	1600	< 0.003	0.0074	0.083	^1+ < 0.001	< 0.0005	< 0.005	0.001	< 0.0005	0.016	< 0.0002	0.044	1.06	< 0.0025	< 0.002
	6/7/2021	4.2	170	120	0.59	7.24	650	1400	< 0.003	0.01	0.067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.091	0.768	< 0.0025	< 0.002
	6/28/2021	B 3.0	160	190	0.53	7.17	480	1400	^+ < 0.003	0.014	0.083	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0011	0.019	< 0.0002	0.066	0.621	< 0.0025	< 0.002
	7/12/2021	7.0	200	260	0.5	6.64	530	1600	< 0.003	0.013	0.17	^+ < 0.001	< 0.0005	< 0.005	0.0012	< 0.0005	0.022	< 0.0002	0.07	0.841	< 0.0025	< 0.002
	8/2/2021	3.1	160	180	0.53	6.87	530	1400	< 0.003	0.012	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.076	0.533	< 0.0025	< 0.002
	8/25/2021	3.0	130	150	0.61	7.45	500	1100	< 0.003	0.011	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.084	0.888	< 0.0025	< 0.002
	11/19/2021	3.3	200	310	0.5	6.66	630	1900	< 0.003	0.0094	0.065	^1+ < 0.001	< 0.0005	< 0.005	0.0014	< 0.0005	0.013	< 0.0002	0.043	1.69	< 0.0025	< 0.002
	2/24/2022	1.6	170	210	0.52	6.84	270	1200	< 0.003	0.006	0.061	^1+ < 0.001	< 0.0005	< 0.005	0.00068	0.0088	0.026	< 0.0002	0.026	< 0.645	0.048	< 0.002
	6/15/2022	2.9	150	170	0.59	6.66	480	1300	< 0.003	0.0048	0.075	< 0.001	< 0.0005	< 0.005	0.0016	< 0.0005	0.014	< 0.0002	0.064	1.39	< 0.0025	< 0.002
	8/25/2022	3.0	120	140																		

Table 2A. Groundwater Turbidity - Pond 1N, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-01	2/23/2021	0.64
	4/10/2021	5.81
	4/25/2021	7.69
	5/3/2021	1.74
	5/24/2021	1.83
	6/7/2021	2.32
	6/25/2021	3.50
	7/12/2021	4.18
	8/2/2021	2.87
	8/23/2021	1.17
	9/24/2021	3.25
	11/19/2021	16.82
	2/21/2022	3.04
	6/15/2022	10.56
	8/24/2022	15.3
	11/15/2022	19.8
	2/22/2023	19.12
4/27/2023	4.40	
7/27/2023	7.20	
10/23/2023	4.10	
2/6/2024	12.10	
MW-02	2/25/2021	8.84
	4/10/2021	9.17
	4/25/2021	12.03
	5/3/2021	2.42
	5/24/2021	2.7
	6/7/2021	1.82
	6/28/2021	3.15
	7/12/2021	4.23
	8/2/2021	3.11
	8/23/2021	1.37
	9/24/2021	4.63
	11/19/2021	2.1
	2/21/2022	0.45
	6/15/2022	2.69
	8/24/2022	8.71
	11/15/2022	8.21
	2/22/2023	6.07
4/27/2023	2.90	
7/27/2023	7.40	
10/23/2023	7.00	
2/6/2024	12.70	
MW-07	3/1/2021	6.11
	4/10/2021	6.19
	4/25/2021	6.98
	5/4/2021	37.65
	5/24/2021	2.54
	6/7/2021	6.21
	6/25/2021	6.02
	7/12/2021	5.13
	8/2/2021	2.45
	8/25/2021	7.7
	9/24/2021	4.13
	11/19/2021	7.35
	2/22/2022	-0.02
	6/15/2022	5.58
	8/25/2022	2.27
	11/15/2022	41.3
	2/22/2023	13.55
4/27/2023	8.90	
7/27/2023	1.00	
10/23/2023	8.10	
2/7/2024	0.41	
MW-14	5/4/2021	6.88
	5/25/2021	3.5
	6/7/2021	2.55
	6/28/2021	7.44
	7/12/2021	4.89
	8/2/2021	9.8
	8/25/2021	11.7
	9/24/2021	6.87
	11/19/2021	5.19
	2/23/2022	45.11
	6/14/2022	3.98
	8/23/2022	2.71
	11/17/2022	2.8
	2/21/2023	6.71
	4/25/2023	5.0
	7/25/2023	3.7
	10/19/2023	1.7
2/5/2024	2.6	

Table 2A. Groundwater Turbidity - Pond 1N, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

MW-15	5/4/2021	28.65
	5/25/2021	8.89
	6/7/2021	8.82
	6/28/2021	6.48
	7/12/2021	8.52
	8/2/2021	22.71
	8/25/2021	12.4
	9/24/2021	11.44
	11/19/2021	10.83
	2/22/2022	17.05
	6/14/2022	11.83
	8/23/2022	33.2
	11/17/2022	148.2
	2/21/2023	41.83
	4/25/2023	11.2
	7/25/2023	35.6
	10/19/2023	55.2
	2/6/2024	20.5

Table 2B. Groundwater Turbidity - Pond 1S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-03	3/1/2021	0.0
	4/10/2021	1.45
	4/25/2021	3.41
	5/3/2021	1.61
	5/24/2021	2.06
	6/8/2021	2.34
	6/28/2021	2.69
	7/12/2021	4.07
	8/2/2021	1.98
	8/24/2021	5.1
	9/24/2021	4.18
	11/19/2021	0.47
	2/24/2022	-1.1
	6/16/2022	1.7
	8/24/2022	6.4
	11/15/2022	9.7
	2/22/2023	6.9
4/27/2023	2.00	
7/27/2023	7.20	
10/23/2023	0.50	
2/6/2024	0.20	
MW-04	2/22/2021	9.87
	4/10/2021	42.2
	4/25/2021	7.41
	5/3/2021	4.2
	5/24/2021	4.45
	6/8/2021	2.8
	6/28/2021	12.93
	7/12/2021	3.93
	8/2/2021	3.75
	8/24/2021	10.1
	9/24/2021	5.74
	11/19/2021	15.15
	2/24/2022	2.04
	6/16/2022	3.13
	8/24/2022	4.7
	11/15/2022	14.2
	2/22/2023	20.1
4/27/2023	8.40	
7/27/2023	6.00	
10/23/2023	3.5	
2/6/2024	16.3	
MW-08	3/1/2021	2.3
	4/10/2021	270.98
	4/25/2021	26.73
	5/4/2021	6.6
	5/28/2021	6.51
	6/7/2021	4.58
	6/28/2021	5.67
	7/12/2021	6.71
	8/2/2021	14.15
	8/25/2021	8.9
	9/24/2021	7.21
	11/19/2021	2.34
	2/24/2022	40.05
	6/15/2022	5.01
	8/25/2022	9.02
	11/17/2022	13.9
	2/23/2023	43.13
4/27/2023	29.20	
7/26/2023	16.90	
10/24/2023	11.30	
2/7/2024	39.80	
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
	4/26/2023	2.90
7/26/2023	6.50	
10/24/2023	9.50	
2/7/2024	9.30	
MW-13	5/4/2021	20.6
	5/25/2021	9.8
	6/7/2021	6.49
	6/28/2021	8.25
	7/12/2021	5.89
	8/2/2021	2.91
	8/26/2021	12.9
	9/24/2021	9.13
	11/23/2021	17.83
	2/23/2022	34.33
	6/14/2022	81.91
	8/23/2022	47.3
	11/16/2022	77.2
	2/21/2023	41.7
	4/25/2023	41.90
7/25/2023	16.70	
10/19/2023	47.10	
2/5/2024	22.00	

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

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

Generated 3/5/2024 2:02:21 PM

**JOB DESCRIPTION**

Will County CCR 1N/1S

**JOB NUMBER**

500-245764-1

# Eurofins Chicago

## Job Notes

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## Authorization



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3/5/2024 2:02:21 PM

Authorized for release by  
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# Case Narrative

Client: Midwest Generation EME LLC  
Project: Will County CCR 1N/1S

Job ID: 500-245764-1

**Job ID: 500-245764-1**

**Eurofins Chicago**

## Job Narrative 500-245764-1

### Receipt

The samples were received on 2/6/2024 4:03 PM and 2/8/2024 9:02 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4°C, 1.6°C, 2.0°C and 3.2°C.

### Metals

Method 6020B - Total Recoverable: The continuing calibration verification (CCV) associated with batch 753405 recovered above the upper control limit for Be. The samples associated with this CCV were below the reporting limit for the affected analyte; therefore, the data have been reported.

Method 6020B - Total Recoverable: The initial low level calibration verification (ICVL) result for batch 753405 was above the upper control limit. The affected analyte is: Sb. Sample results were below the reporting limit, and have been reported as qualified data.

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.

# Method Summary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET CHI
7470A	Mercury (CVAA)	SW846	EET CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CHI
SM 4500 Cl- E	Chloride, Total	SM	EET CHI
SM 4500 F C	Fluoride	SM	EET CHI
SM 4500 SO4 E	Sulfate, Total	SM	EET CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CHI
7470A	Preparation, Mercury	SW846	EET CHI

#### Protocol References:

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 1N/1S

Job ID: 500-245764-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245764-1	MW-01	Water	02/06/24 10:23	02/06/24 16:03
500-245764-2	MW-02	Water	02/06/24 11:09	02/06/24 16:03
500-245764-3	MW-03	Water	02/06/24 12:43	02/06/24 16:03
500-245764-4	MW-04	Water	02/06/24 13:40	02/06/24 16:03
500-245764-5	MW-13	Water	02/05/24 15:07	02/06/24 16:03
500-245764-6	MW-14	Water	02/05/24 15:47	02/06/24 16:03
500-245764-7	MW-15	Water	02/06/24 09:29	02/06/24 16:03
500-245764-8	1N/1S Duplicate	Water	02/06/24 00:00	02/06/24 16:03
500-245764-9	MW-07	Water	02/07/24 15:40	02/08/24 09:02
500-245764-10	MW-08	Water	02/07/24 14:25	02/08/24 09:02
500-245764-11	MW-09	Water	02/07/24 12:58	02/08/24 09:02

- 1
- 2
- 3
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- 10
- 11
- 12

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-01**  
**Date Collected: 02/06/24 10:23**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-1**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:45	1
<b>Boron</b>	<b>2.8</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:30	10
<b>Barium</b>	<b>0.076</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:45	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:45	1
<b>Calcium</b>	<b>120</b>		0.20		mg/L		02/07/24 09:01	02/08/24 19:45	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:45	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:45	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:45	1
<b>Molybdenum</b>	<b>0.049</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 19:45	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:45	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:45	1
<b>Selenium</b>	<b>0.0032</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:45	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:45	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:30	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1100</b>		10		mg/L			02/06/24 22:19	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>72</b>		4.0		mg/L			02/07/24 13:30	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.75</b>		0.10		mg/L			03/04/24 17:08	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>400</b>		50		mg/L			02/20/24 14:04	10

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-02**  
**Date Collected: 02/06/24 11:09**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.011</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 19:48	1
<b>Boron</b>	<b>4.7</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:34	10
<b>Barium</b>	<b>0.066</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:48	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:48	1
<b>Calcium</b>	<b>87</b>		0.20		mg/L		02/07/24 09:01	02/08/24 19:48	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:48	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:48	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:48	1
<b>Molybdenum</b>	<b>0.067</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 19:48	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:48	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:48	1
Selenium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 19:48	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:48	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:34	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:35	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>960</b>		10		mg/L			02/06/24 22:21	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>43</b>		2.0		mg/L			02/07/24 13:06	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.37</b>		0.10		mg/L			03/04/24 17:13	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>410</b>		50		mg/L			02/20/24 14:04	10

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-03**

**Lab Sample ID: 500-245764-3**

Date Collected: 02/06/24 12:43

Matrix: Water

Date Received: 02/06/24 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:52	1
<b>Boron</b>	<b>3.9</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:38	10
<b>Barium</b>	<b>0.097</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:52	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:52	1
<b>Calcium</b>	<b>150</b>		0.20		mg/L		02/07/24 09:01	02/08/24 19:52	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:52	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:52	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:52	1
<b>Molybdenum</b>	<b>0.018</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 19:52	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:52	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:52	1
<b>Selenium</b>	<b>0.0041</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:52	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:52	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:38	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>890</b>		10		mg/L			02/06/24 22:24	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>14</b>		2.0		mg/L			02/07/24 13:04	1
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			03/04/24 17:25	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>270</b>		100		mg/L			02/20/24 14:03	20

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-04**  
**Date Collected: 02/06/24 13:40**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-4**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0039</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 19:55	1
<b>Boron</b>	<b>4.2</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:41	10
<b>Barium</b>	<b>0.037</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:55	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:55	1
<b>Calcium</b>	<b>350</b>		0.20		mg/L		02/07/24 09:01	02/08/24 19:55	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:55	1
<b>Cobalt</b>	<b>0.0012</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 19:55	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:55	1
<b>Molybdenum</b>	<b>0.039</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 19:55	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:55	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:55	1
<b>Selenium</b>	<b>0.043</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:55	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:55	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:41	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>2100</b>		10		mg/L			02/06/24 22:27	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>59</b>		4.0		mg/L			02/07/24 13:27	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			03/04/24 17:30	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>950</b>		100		mg/L			02/20/24 14:03	20



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-13**  
**Date Collected: 02/05/24 15:07**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-5**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0013</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 19:59	1
<b>Boron</b>	<b>1.1</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:45	10
<b>Barium</b>	<b>0.23</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:59	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:59	1
<b>Calcium</b>	<b>200</b>		0.20		mg/L		02/07/24 09:01	02/08/24 19:59	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:59	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:59	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:59	1
<b>Molybdenum</b>	<b>0.011</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 19:59	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:59	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:59	1
<b>Selenium</b>	<b>0.014</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 19:59	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:59	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:45	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:41	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1600</b>		10		mg/L			02/06/24 22:29	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>600</b>		40		mg/L			02/07/24 14:06	20
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			03/04/24 17:35	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>180</b>		25		mg/L			02/20/24 13:38	5

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-14**  
**Date Collected: 02/05/24 15:47**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-6**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0032</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 20:02	1
<b>Boron</b>	<b>4.2</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:49	10
<b>Barium</b>	<b>0.12</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 20:02	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 20:02	1
<b>Calcium</b>	<b>140</b>		0.20		mg/L		02/07/24 09:01	02/08/24 20:02	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:02	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 20:02	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 20:02	1
<b>Molybdenum</b>	<b>0.062</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 20:02	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:02	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 20:02	1
Selenium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 20:02	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 20:02	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:49	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1300</b>		10		mg/L			02/06/24 22:32	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>110</b>		10		mg/L			02/07/24 13:30	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.61</b>		0.10		mg/L			03/04/24 17:40	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>570</b>		100		mg/L			02/20/24 14:03	20

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-15**

**Lab Sample ID: 500-245764-7**

Date Collected: 02/06/24 09:29

Matrix: Water

Date Received: 02/06/24 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0075</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 20:06	1
<b>Boron</b>	<b>3.5</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:53	10
<b>Barium</b>	<b>0.14</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 20:06	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 20:06	1
<b>Calcium</b>	<b>260</b>		0.20		mg/L		02/07/24 09:01	02/08/24 20:06	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:06	1
<b>Cobalt</b>	<b>0.0018</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 20:06	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 20:06	1
<b>Molybdenum</b>	<b>0.019</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 20:06	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:06	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 20:06	1
Selenium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 20:06	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 20:06	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:53	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1800</b>		10		mg/L			02/06/24 22:34	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>80</b>		4.0		mg/L			02/07/24 13:31	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.27</b>		0.10		mg/L			03/04/24 17:54	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>690</b>		100		mg/L			02/20/24 14:02	20

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: 1N/1S Duplicate**

**Lab Sample ID: 500-245764-8**

Date Collected: 02/06/24 00:00

Matrix: Water

Date Received: 02/06/24 16:03

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0055</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 20:09	1
<b>Boron</b>	<b>3.5</b>		0.50		mg/L		02/07/24 09:01	02/14/24 14:57	10
<b>Barium</b>	<b>0.12</b>		0.0025		mg/L		02/07/24 09:01	02/08/24 20:09	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 20:09	1
<b>Calcium</b>	<b>250</b>		0.20		mg/L		02/07/24 09:01	02/08/24 20:09	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:09	1
<b>Cobalt</b>	<b>0.0016</b>		0.0010		mg/L		02/07/24 09:01	02/08/24 20:09	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 20:09	1
<b>Molybdenum</b>	<b>0.016</b>		0.0050		mg/L		02/07/24 09:01	02/08/24 20:09	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 20:09	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 20:09	1
Selenium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 20:09	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 20:09	1
Lithium	<0.10		0.10		mg/L		02/07/24 09:01	02/14/24 14:57	10

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1800</b>		10		mg/L			02/06/24 22:37	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>77</b>		4.0		mg/L			02/07/24 13:28	2
<b>Fluoride (SM 4500 F C)</b>	<b>0.28</b>		0.10		mg/L			03/04/24 17:59	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>690</b>		100		mg/L			02/20/24 14:03	20

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-07**

**Lab Sample ID: 500-245764-9**

Date Collected: 02/07/24 15:40

Matrix: Water

Date Received: 02/08/24 09:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0013</b>		0.0010		mg/L		02/09/24 08:52	02/09/24 21:46	1
<b>Boron</b>	<b>3.8</b>		0.50		mg/L		02/09/24 08:52	02/13/24 15:38	10
<b>Barium</b>	<b>0.12</b>		0.0025		mg/L		02/09/24 08:52	02/12/24 19:15	1
Beryllium	<0.010	^1+	0.010		mg/L		02/09/24 08:52	02/13/24 15:38	10
<b>Calcium</b>	<b>210</b>		0.20		mg/L		02/09/24 08:52	02/09/24 21:46	1
Cadmium	<0.00050		0.00050		mg/L		02/09/24 08:52	02/09/24 21:46	1
Cobalt	<0.0010		0.0010		mg/L		02/09/24 08:52	02/09/24 21:46	1
Chromium	<0.0050		0.0050		mg/L		02/09/24 08:52	02/12/24 19:15	1
<b>Molybdenum</b>	<b>0.019</b>		0.0050		mg/L		02/09/24 08:52	02/09/24 21:46	1
Lead	<0.00050		0.00050		mg/L		02/09/24 08:52	02/12/24 19:15	1
Antimony	<0.030	^1+	0.030		mg/L		02/09/24 08:52	02/13/24 15:38	10
Selenium	<0.0025		0.0025		mg/L		02/09/24 08:52	02/09/24 21:46	1
Thallium	<0.0020		0.0020		mg/L		02/09/24 08:52	02/09/24 21:46	1
<b>Lithium</b>	<b>0.027</b>		0.010		mg/L		02/09/24 08:52	02/12/24 19:15	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 09:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1500</b>		10		mg/L			02/09/24 00:57	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>120</b>		10		mg/L			02/11/24 14:45	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.31</b>		0.10		mg/L			03/04/24 18:03	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>480</b>		50		mg/L			02/20/24 14:05	10

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-08**

**Lab Sample ID: 500-245764-10**

Date Collected: 02/07/24 14:25

Matrix: Water

Date Received: 02/08/24 09:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0024</b>		0.0010		mg/L		02/09/24 08:52	02/09/24 21:50	1
<b>Boron</b>	<b>2.6</b>		0.50		mg/L		02/09/24 08:52	02/13/24 15:41	10
<b>Barium</b>	<b>0.070</b>		0.0025		mg/L		02/09/24 08:52	02/12/24 19:27	1
Beryllium	<0.010	^1+	0.010		mg/L		02/09/24 08:52	02/13/24 15:41	10
<b>Calcium</b>	<b>190</b>		0.20		mg/L		02/09/24 08:52	02/09/24 21:50	1
Cadmium	<0.00050		0.00050		mg/L		02/09/24 08:52	02/09/24 21:50	1
Cobalt	<0.0010		0.0010		mg/L		02/09/24 08:52	02/09/24 21:50	1
Chromium	<0.0050		0.0050		mg/L		02/09/24 08:52	02/12/24 19:27	1
<b>Molybdenum</b>	<b>0.026</b>		0.0050		mg/L		02/09/24 08:52	02/09/24 21:50	1
Lead	<0.00050		0.00050		mg/L		02/09/24 08:52	02/12/24 19:27	1
Antimony	<0.030	^1+	0.030		mg/L		02/09/24 08:52	02/13/24 15:41	10
<b>Selenium</b>	<b>0.015</b>		0.0025		mg/L		02/09/24 08:52	02/09/24 21:50	1
Thallium	<0.0020		0.0020		mg/L		02/09/24 08:52	02/09/24 21:50	1
<b>Lithium</b>	<b>0.010</b>		0.010		mg/L		02/09/24 08:52	02/12/24 19:27	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 09:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>1400</b>		10		mg/L			02/14/24 03:04	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>180</b>		10		mg/L			02/11/24 14:42	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.45</b>		0.10		mg/L			03/04/24 18:08	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>410</b>		50		mg/L			02/20/24 14:04	10

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-09**

**Lab Sample ID: 500-245764-11**

Date Collected: 02/07/24 12:58

Matrix: Water

Date Received: 02/08/24 09:02

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.0085</b>		0.0010		mg/L		02/09/24 08:52	02/09/24 21:53	1
<b>Boron</b>	<b>2.3</b>		0.50		mg/L		02/09/24 08:52	02/13/24 15:45	10
<b>Barium</b>	<b>0.036</b>		0.0025		mg/L		02/09/24 08:52	02/12/24 19:30	1
Beryllium	<0.010	^1+	0.010		mg/L		02/09/24 08:52	02/13/24 15:45	10
<b>Calcium</b>	<b>39</b>		0.20		mg/L		02/09/24 08:52	02/09/24 21:53	1
Cadmium	<0.00050		0.00050		mg/L		02/09/24 08:52	02/09/24 21:53	1
Cobalt	<0.0010		0.0010		mg/L		02/09/24 08:52	02/09/24 21:53	1
Chromium	<0.0050		0.0050		mg/L		02/09/24 08:52	02/12/24 19:30	1
<b>Molybdenum</b>	<b>0.070</b>		0.0050		mg/L		02/09/24 08:52	02/09/24 21:53	1
Lead	<0.00050		0.00050		mg/L		02/09/24 08:52	02/12/24 19:30	1
Antimony	<0.030	^1+	0.030		mg/L		02/09/24 08:52	02/13/24 15:45	10
Selenium	<0.0025		0.0025		mg/L		02/09/24 08:52	02/09/24 21:53	1
Thallium	<0.0020		0.0020		mg/L		02/09/24 08:52	02/09/24 21:53	1
Lithium	<0.010		0.010		mg/L		02/09/24 08:52	02/12/24 19:30	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.00065</b>		0.00020		mg/L		02/21/24 10:00	02/22/24 09:16	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>730</b>		10		mg/L			02/14/24 03:07	1
<b>Chloride (SM 4500 Cl- E)</b>	<b>190</b>		10		mg/L			02/11/24 14:43	5
<b>Fluoride (SM 4500 F C)</b>	<b>0.60</b>		0.10		mg/L			03/04/24 18:13	1
<b>Sulfate (SM 4500 SO4 E)</b>	<b>230</b>		25		mg/L			02/20/24 13:40	5

# Definitions/Glossary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.

### 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.
α	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 1N/1S

Job ID: 500-245764-1

## Metals

### Prep Batch: 752999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total Recoverable	Water	3005A	
500-245764-2	MW-02	Total Recoverable	Water	3005A	
500-245764-3	MW-03	Total Recoverable	Water	3005A	
500-245764-4	MW-04	Total Recoverable	Water	3005A	
500-245764-5	MW-13	Total Recoverable	Water	3005A	
500-245764-6	MW-14	Total Recoverable	Water	3005A	
500-245764-7	MW-15	Total Recoverable	Water	3005A	
500-245764-8	1N/1S Duplicate	Total Recoverable	Water	3005A	
MB 500-752999/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-752999/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 753405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total Recoverable	Water	6020B	752999
500-245764-2	MW-02	Total Recoverable	Water	6020B	752999
500-245764-3	MW-03	Total Recoverable	Water	6020B	752999
500-245764-4	MW-04	Total Recoverable	Water	6020B	752999
500-245764-5	MW-13	Total Recoverable	Water	6020B	752999
500-245764-6	MW-14	Total Recoverable	Water	6020B	752999
500-245764-7	MW-15	Total Recoverable	Water	6020B	752999
500-245764-8	1N/1S Duplicate	Total Recoverable	Water	6020B	752999
MB 500-752999/1-A	Method Blank	Total Recoverable	Water	6020B	752999
LCS 500-752999/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752999

### Prep Batch: 753415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total Recoverable	Water	3005A	
500-245764-10	MW-08	Total Recoverable	Water	3005A	
500-245764-11	MW-09	Total Recoverable	Water	3005A	
MB 500-753415/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-753415/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 753633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total Recoverable	Water	6020B	753415
500-245764-10	MW-08	Total Recoverable	Water	6020B	753415
500-245764-11	MW-09	Total Recoverable	Water	6020B	753415
MB 500-753415/1-A	Method Blank	Total Recoverable	Water	6020B	753415
LCS 500-753415/2-A	Lab Control Sample	Total Recoverable	Water	6020B	753415

### Analysis Batch: 753801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total Recoverable	Water	6020B	753415
500-245764-10	MW-08	Total Recoverable	Water	6020B	753415
500-245764-11	MW-09	Total Recoverable	Water	6020B	753415
MB 500-753415/1-A	Method Blank	Total Recoverable	Water	6020B	753415
LCS 500-753415/2-A	Lab Control Sample	Total Recoverable	Water	6020B	753415

### Analysis Batch: 753991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total Recoverable	Water	6020B	753415

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# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Metals (Continued)

### Analysis Batch: 753991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-10	MW-08	Total Recoverable	Water	6020B	753415
500-245764-11	MW-09	Total Recoverable	Water	6020B	753415
MB 500-753415/1-A	Method Blank	Total Recoverable	Water	6020B	753415
LCS 500-753415/2-A	Lab Control Sample	Total Recoverable	Water	6020B	753415

### Analysis Batch: 754170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total Recoverable	Water	6020B	752999
500-245764-2	MW-02	Total Recoverable	Water	6020B	752999
500-245764-3	MW-03	Total Recoverable	Water	6020B	752999
500-245764-4	MW-04	Total Recoverable	Water	6020B	752999
500-245764-5	MW-13	Total Recoverable	Water	6020B	752999
500-245764-6	MW-14	Total Recoverable	Water	6020B	752999
500-245764-7	MW-15	Total Recoverable	Water	6020B	752999
500-245764-8	1N/1S Duplicate	Total Recoverable	Water	6020B	752999
MB 500-752999/1-A	Method Blank	Total Recoverable	Water	6020B	752999
LCS 500-752999/2-A	Lab Control Sample	Total Recoverable	Water	6020B	752999

### Prep Batch: 755029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	7470A	
500-245764-2	MW-02	Total/NA	Water	7470A	
500-245764-3	MW-03	Total/NA	Water	7470A	
500-245764-4	MW-04	Total/NA	Water	7470A	
500-245764-5	MW-13	Total/NA	Water	7470A	
500-245764-6	MW-14	Total/NA	Water	7470A	
500-245764-7	MW-15	Total/NA	Water	7470A	
500-245764-8	1N/1S Duplicate	Total/NA	Water	7470A	
500-245764-9	MW-07	Total/NA	Water	7470A	
500-245764-10	MW-08	Total/NA	Water	7470A	
500-245764-11	MW-09	Total/NA	Water	7470A	
MB 500-755029/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-755029/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-245764-8 MS	1N/1S Duplicate	Total/NA	Water	7470A	
500-245764-8 MSD	1N/1S Duplicate	Total/NA	Water	7470A	
500-245764-8 DU	1N/1S Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 755246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	7470A	755029
500-245764-2	MW-02	Total/NA	Water	7470A	755029
500-245764-3	MW-03	Total/NA	Water	7470A	755029
500-245764-4	MW-04	Total/NA	Water	7470A	755029
500-245764-5	MW-13	Total/NA	Water	7470A	755029
500-245764-6	MW-14	Total/NA	Water	7470A	755029
500-245764-7	MW-15	Total/NA	Water	7470A	755029
500-245764-8	1N/1S Duplicate	Total/NA	Water	7470A	755029
500-245764-9	MW-07	Total/NA	Water	7470A	755029
500-245764-10	MW-08	Total/NA	Water	7470A	755029
500-245764-11	MW-09	Total/NA	Water	7470A	755029
MB 500-755029/12-A	Method Blank	Total/NA	Water	7470A	755029

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# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Metals (Continued)

### Analysis Batch: 755246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-755029/13-A	Lab Control Sample	Total/NA	Water	7470A	755029
500-245764-8 MS	1N/1S Duplicate	Total/NA	Water	7470A	755029
500-245764-8 MSD	1N/1S Duplicate	Total/NA	Water	7470A	755029
500-245764-8 DU	1N/1S Duplicate	Total/NA	Water	7470A	755029

## General Chemistry

### Analysis Batch: 752912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	SM 2540C	
500-245764-2	MW-02	Total/NA	Water	SM 2540C	
500-245764-3	MW-03	Total/NA	Water	SM 2540C	
500-245764-4	MW-04	Total/NA	Water	SM 2540C	
500-245764-5	MW-13	Total/NA	Water	SM 2540C	
500-245764-6	MW-14	Total/NA	Water	SM 2540C	
500-245764-7	MW-15	Total/NA	Water	SM 2540C	
500-245764-8	1N/1S Duplicate	Total/NA	Water	SM 2540C	
MB 500-752912/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-752912/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 753095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-245764-2	MW-02	Total/NA	Water	SM 4500 CI- E	
500-245764-3	MW-03	Total/NA	Water	SM 4500 CI- E	
500-245764-4	MW-04	Total/NA	Water	SM 4500 CI- E	
500-245764-5	MW-13	Total/NA	Water	SM 4500 CI- E	
500-245764-6	MW-14	Total/NA	Water	SM 4500 CI- E	
500-245764-7	MW-15	Total/NA	Water	SM 4500 CI- E	
500-245764-8	1N/1S Duplicate	Total/NA	Water	SM 4500 CI- E	
MB 500-753095/16	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-753095/17	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

### Analysis Batch: 753339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total/NA	Water	SM 2540C	
MB 500-753339/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-753339/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 753572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total/NA	Water	SM 4500 CI- E	
500-245764-10	MW-08	Total/NA	Water	SM 4500 CI- E	
500-245764-11	MW-09	Total/NA	Water	SM 4500 CI- E	
MB 500-753572/109	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-753572/110	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-245764-9 MS	MW-07	Total/NA	Water	SM 4500 CI- E	
500-245764-9 MSD	MW-07	Total/NA	Water	SM 4500 CI- E	

# QC Association Summary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## General Chemistry

### Analysis Batch: 753934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-10	MW-08	Total/NA	Water	SM 2540C	
500-245764-11	MW-09	Total/NA	Water	SM 2540C	
MB 500-753934/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-753934/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 754863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-245764-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-245764-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-245764-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-245764-5	MW-13	Total/NA	Water	SM 4500 SO4 E	
500-245764-6	MW-14	Total/NA	Water	SM 4500 SO4 E	
500-245764-7	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-245764-8	1N/1S Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-245764-9	MW-07	Total/NA	Water	SM 4500 SO4 E	
500-245764-10	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-245764-11	MW-09	Total/NA	Water	SM 4500 SO4 E	
MB 500-754863/121	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-754863/122	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

### Analysis Batch: 756829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	SM 4500 F C	
500-245764-2	MW-02	Total/NA	Water	SM 4500 F C	
500-245764-3	MW-03	Total/NA	Water	SM 4500 F C	
500-245764-4	MW-04	Total/NA	Water	SM 4500 F C	
500-245764-5	MW-13	Total/NA	Water	SM 4500 F C	
500-245764-6	MW-14	Total/NA	Water	SM 4500 F C	
500-245764-7	MW-15	Total/NA	Water	SM 4500 F C	
500-245764-8	1N/1S Duplicate	Total/NA	Water	SM 4500 F C	
500-245764-9	MW-07	Total/NA	Water	SM 4500 F C	
500-245764-10	MW-08	Total/NA	Water	SM 4500 F C	
500-245764-11	MW-09	Total/NA	Water	SM 4500 F C	
MB 500-756829/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-756829/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-756829/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-756829/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 500-752999/1-A**  
**Matrix: Water**  
**Analysis Batch: 753405**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 752999**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:00	1
Barium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 19:00	1
Beryllium	<0.0010	^+	0.0010		mg/L		02/07/24 09:01	02/08/24 19:00	1
Calcium	<0.20		0.20		mg/L		02/07/24 09:01	02/08/24 19:00	1
Cadmium	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:00	1
Cobalt	<0.0010		0.0010		mg/L		02/07/24 09:01	02/08/24 19:00	1
Chromium	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:00	1
Molybdenum	<0.0050		0.0050		mg/L		02/07/24 09:01	02/08/24 19:00	1
Lead	<0.00050		0.00050		mg/L		02/07/24 09:01	02/08/24 19:00	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/07/24 09:01	02/08/24 19:00	1
Selenium	<0.0025		0.0025		mg/L		02/07/24 09:01	02/08/24 19:00	1
Thallium	<0.0020		0.0020		mg/L		02/07/24 09:01	02/08/24 19:00	1

**Lab Sample ID: MB 500-752999/1-A**  
**Matrix: Water**  
**Analysis Batch: 754170**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 752999**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		02/07/24 09:01	02/14/24 13:43	1
Lithium	<0.010		0.010		mg/L		02/07/24 09:01	02/14/24 13:43	1

**Lab Sample ID: LCS 500-752999/2-A**  
**Matrix: Water**  
**Analysis Batch: 753405**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 752999**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.530		mg/L		106	80 - 120
Beryllium	0.0500	0.0580	^+	mg/L		116	80 - 120
Calcium	10.0	9.01		mg/L		90	80 - 120
Cadmium	0.0500	0.0521		mg/L		104	80 - 120
Cobalt	0.500	0.472		mg/L		94	80 - 120
Chromium	0.200	0.191		mg/L		96	80 - 120
Molybdenum	1.00	0.962		mg/L		96	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Antimony	0.500	0.521	^1+	mg/L		104	80 - 120
Selenium	0.100	0.0985		mg/L		98	80 - 120
Thallium	0.100	0.0990		mg/L		99	80 - 120

**Lab Sample ID: LCS 500-752999/2-A**  
**Matrix: Water**  
**Analysis Batch: 754170**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 752999**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lithium	0.100	0.106		mg/L		106	80 - 120

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: MB 500-753415/1-A**  
**Matrix: Water**  
**Analysis Batch: 753633**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 753415**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		02/09/24 08:52	02/09/24 20:08	1
Calcium	<0.20		0.20		mg/L		02/09/24 08:52	02/09/24 20:08	1
Cadmium	<0.00050		0.00050		mg/L		02/09/24 08:52	02/09/24 20:08	1
Cobalt	<0.0010		0.0010		mg/L		02/09/24 08:52	02/09/24 20:08	1
Molybdenum	<0.0050		0.0050		mg/L		02/09/24 08:52	02/09/24 20:08	1
Selenium	<0.0025		0.0025		mg/L		02/09/24 08:52	02/09/24 20:08	1
Thallium	<0.0020		0.0020		mg/L		02/09/24 08:52	02/09/24 20:08	1

**Lab Sample ID: MB 500-753415/1-A**  
**Matrix: Water**  
**Analysis Batch: 753801**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 753415**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	<0.0025		0.0025		mg/L		02/09/24 08:52	02/12/24 16:33	1
Chromium	<0.0050		0.0050		mg/L		02/09/24 08:52	02/12/24 16:33	1
Lead	<0.00050		0.00050		mg/L		02/09/24 08:52	02/12/24 16:33	1
Lithium	<0.010		0.010		mg/L		02/09/24 08:52	02/12/24 16:33	1

**Lab Sample ID: MB 500-753415/1-A**  
**Matrix: Water**  
**Analysis Batch: 753991**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 753415**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		02/09/24 08:52	02/13/24 14:07	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/09/24 08:52	02/13/24 14:07	1
Antimony	<0.0030	^1+	0.0030		mg/L		02/09/24 08:52	02/13/24 14:07	1

**Lab Sample ID: LCS 500-753415/2-A**  
**Matrix: Water**  
**Analysis Batch: 753633**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 753415**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	10.0	10.1		mg/L		101	80 - 120
Cadmium	0.0500	0.0602		mg/L		120	80 - 120
Cobalt	0.500	0.591		mg/L		118	80 - 120
Molybdenum	1.00	1.15		mg/L		115	80 - 120
Selenium	0.100	0.118		mg/L		118	80 - 120
Thallium	0.100	0.118		mg/L		118	80 - 120

**Lab Sample ID: LCS 500-753415/2-A**  
**Matrix: Water**  
**Analysis Batch: 753801**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 753415**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.191		mg/L		95	80 - 120
Lead	0.100	0.0947		mg/L		95	80 - 120
Lithium	0.100	0.106		mg/L		106	80 - 120

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-753415/2-A  
 Matrix: Water  
 Analysis Batch: 753991

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 753415

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.04		mg/L		104	80 - 120
Beryllium	0.0500	0.0486	^1+	mg/L		97	80 - 120
Antimony	0.500	0.532	^1+	mg/L		106	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-755029/12-A  
 Matrix: Water  
 Analysis Batch: 755246

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 755029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/21/24 10:00	02/22/24 08:24	1

Lab Sample ID: LCS 500-755029/13-A  
 Matrix: Water  
 Analysis Batch: 755246

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 755029

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00201	0.00201		mg/L		100	80 - 120

Lab Sample ID: 500-245764-8 MS  
 Matrix: Water  
 Analysis Batch: 755246

Client Sample ID: 1N/1S Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 755029

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.00100	0.000983		mg/L		98	75 - 125

Lab Sample ID: 500-245764-8 MSD  
 Matrix: Water  
 Analysis Batch: 755246

Client Sample ID: 1N/1S Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 755029

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000987		mg/L		99	75 - 125	0	20

Lab Sample ID: 500-245764-8 DU  
 Matrix: Water  
 Analysis Batch: 755246

Client Sample ID: 1N/1S Duplicate  
 Prep Type: Total/NA  
 Prep Batch: 755029

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

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

Lab Sample ID: MB 500-752912/1  
 Matrix: Water  
 Analysis Batch: 752912

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			02/06/24 21:38	1

Eurofins Chicago



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

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

**Lab Sample ID: LCS 500-752912/2**  
**Matrix: Water**  
**Analysis Batch: 752912**

**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 500-753339/1**  
**Matrix: Water**  
**Analysis Batch: 753339**

**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			02/09/24 00:29	1

**Lab Sample ID: LCS 500-753339/2**  
**Matrix: Water**  
**Analysis Batch: 753339**

**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	244		mg/L		98	80 - 120

**Lab Sample ID: MB 500-753934/1**  
**Matrix: Water**  
**Analysis Batch: 753934**

**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			02/14/24 02:18	1

**Lab Sample ID: LCS 500-753934/2**  
**Matrix: Water**  
**Analysis Batch: 753934**

**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	242		mg/L		97	80 - 120

## Method: SM 4500 Cl- E - Chloride, Total

**Lab Sample ID: MB 500-753095/16**  
**Matrix: Water**  
**Analysis Batch: 753095**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/07/24 13:03	1

**Lab Sample ID: LCS 500-753095/17**  
**Matrix: Water**  
**Analysis Batch: 753095**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	20.7		mg/L		104	85 - 115



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Method: SM 4500 Cl- E - Chloride, Total (Continued)

**Lab Sample ID: MB 500-753572/109**  
**Matrix: Water**  
**Analysis Batch: 753572**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/11/24 14:22	1

**Lab Sample ID: LCS 500-753572/110**  
**Matrix: Water**  
**Analysis Batch: 753572**

**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	21.9		mg/L		110	85 - 115

**Lab Sample ID: 500-245764-9 MS**  
**Matrix: Water**  
**Analysis Batch: 753572**

**Client Sample ID: MW-07**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		20.0	139	4	mg/L		79	75 - 125

**Lab Sample ID: 500-245764-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 753572**

**Client Sample ID: MW-07**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120		20.0	139	4	mg/L		75	75 - 125	1	20

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 500-756829/3**  
**Matrix: Water**  
**Analysis Batch: 756829**

**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			03/04/24 15:03	1

**Lab Sample ID: MB 500-756829/31**  
**Matrix: Water**  
**Analysis Batch: 756829**

**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			03/04/24 17:17	1

**Lab Sample ID: LCS 500-756829/32**  
**Matrix: Water**  
**Analysis Batch: 756829**

**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

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

## Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-756829/4  
 Matrix: Water  
 Analysis Batch: 756829

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	10.1		mg/L		101	90 - 119

## Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-754863/121  
 Matrix: Water  
 Analysis Batch: 754863

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/20/24 12:55	1

Lab Sample ID: LCS 500-754863/122  
 Matrix: Water  
 Analysis Batch: 754863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	23.2		mg/L		116	88 - 123

**Eurofins Chicago**

2417 Bond Street  
 University Park, IL 60484  
 Phone 708-534-5200 Fax: 708-534-5211

**Chain of Custody Record**

<b>Client Information</b>		Sampler: <u>IAN JOHN HENNINGSON</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-120313-45943 1				
Client Contact: Patrick Allenstein		Phone: <u>630-290-6850</u>		E-Mail: Diana Mockler@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1				
Company: KPRG and Associates, Inc		PWSID:		<b>Analysis Requested</b>		Job # <u>500-245764</u>		<b>Preservation Codes:</b>				
Address: 14665 West Lisbon Road, Suite 1A		Due Date Requested:		Field Filtered Sample (Yes or No) Perchloric Acid (Yes or No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500, F, C, SM4500, Cl, E, SM4500, SO4, E		Total Number of Containers		A - HCL		M - Hexane		
City: Brookfield		TAT Requested (days):						B - NaOH		N - None		O - AsNaO2
State, Zip: WI, 53005		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No						C - Zn Acetate		P - Na2O4S		Q - Na2SO3
Phone: 500-245764 COC		PO #: 4502116506		WO #:		E - NaHSO4		R - Na2S2O3				
Email: patricka@kprginc.com		Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring		Project #: 50011609		F - MeOH		S - H2SO4				
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring		SSOW#:				G - Amchlor		T - TSP Dodecahydrate				
Site: Illinois						H - Ascorbic Acid		U - Acetone				
						I - Ice		V - MCAA				
						J - DI Water		W - pH 4-5				
						K - EDTA		Y - Trizma				
						L - EDTA		Z - other (specify)				
						Other:						
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)	Perchloric Acid (Yes or No)	Special Instructions/Note:				
								Preservation Code				
MW-01		2-6-24	10:23	G	Water	N	N	X	X			
MW-02		2-6-24	11:09	G	Water	N	N	X	X			
MW-03		2-6-24	12:43	G	Water	N	N	X	X			
MW-04		2-6-24	13:40	G	Water	N	N	X	X			
MW-07		-	-	-	Water							
MW-08		-	-	-	Water							
MW-09		-	-	-	Water							
MW-13		2-5-24	15:07	G	Water	N	N	X	X			
MW-14		2-5-24	15:47	G	Water	N	N	X	X			
MW-15		2-6-24	09:29	G	Water	N	N	X	X			
1N/1S Duplicate		2-6-24	-	G	Water	N	N	X	X			
<b>Possible Hazard Identification</b> <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						<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <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>2-6-24 16:03</u>		Company: <u>KPRG</u>		Received by: <u>[Signature]</u>		Date/Time: <u>2/6/24 1603</u>		Company: <u>ETA</u>		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>3.7-73.2/15-72.0/161-7/6</u>								

**Eurofins Chicago**

2417 Bond Street  
 University Park, IL 60484  
 Phone: 708-534-5200 Fax: 708-534-5211

**Chain of Custody Record**

**eurofins** | Environment Testing

<b>Client Information</b>		Sampler: <b>JAN SEAN HONIGSEN</b>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-120313-45943.1					
Client Contact: Patrick Allenstein		Phone: <b>630 290 6850</b>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1					
Company: KPRG and Associates, Inc.		PWSID:		<b>Analysis Requested</b>						Job #: <b>500-245764</b>			
Address: 14665 West Lisbon Road, Suite 1A City: Brookfield State, Zip: WI, 53005 Phone: 500-245764 COC Email: patricka@kprginc.com		Due Date Requested:		TAT Requested (days):		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 4502116508		WO #:		Preservation Codes: A - HCL                      M - Hexane B - NaOH                    N - None C - Zn Acetate              O - AsNaO2 D - Nitric Acid              P - Na2O4S E - NaHSO4                 Q - Na2SO3 F - MeOH                    R - Na2S2O3 G - Amchlor                S - H2SO4 H - Ascorbic Acid         T - TSP Dodecahydrate I - Ice                         U - Acetone J - DI Water                V - MCAA K - EDTA                    W - pH 4-5 L - EDA                      Y - Trizma Z - other (specify)	
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring		Project #: 50011609 <b>CCR</b>		SSOW#:		903.0, 904.0		6010C, 6020A, 7470A		2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E		Other:	
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)		Special Instructions/Note:	
		MW-01		---		---		---		Water			
		MW-02		---		---		---		Water			
		MW-03		---		---		---		Water			
		MW-04		---		---		---		Water			
9		MW-07		2-7-24		15:40		G		Water		N N X X X	
10		MW-08		2-7-24		14:25		G		Water		N N X X X	
11		MW-09		2-7-24		12:58		G		Water		N N X X X	
		MW-13		---		---		---		Water			
		MW-14		---		---		---		Water			
		MW-15		---		---		---		Water			
		1N/1S Duplicate		---		---		---		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 ) <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: 2-8-24 09:02		Company: KPRG		Received by: <i>[Signature]</i>		Date/Time: 2/8/24 0902		Company: EPTA			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <b>-0.1 to 0.4</b>									

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# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-245764-1

**Login Number: 245764**

**List Number: 1**

**Creator: Scott, Sherri L**

**List Source: Eurofins Chicago**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	3.2,2.0,1.6,0.4
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	



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-01**  
**Date Collected: 02/06/24 10:23**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 19:45
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:30
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:28
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:19
Total/NA	Analysis	SM 4500 CI- E		2	753095	TR	EET CHI	02/07/24 13:30
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:08
Total/NA	Analysis	SM 4500 SO4 E		10	754863	TR	EET CHI	02/20/24 14:04

**Client Sample ID: MW-02**  
**Date Collected: 02/06/24 11:09**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 19:48
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:34
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:35
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:21
Total/NA	Analysis	SM 4500 CI- E		1	753095	TR	EET CHI	02/07/24 13:06
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:13
Total/NA	Analysis	SM 4500 SO4 E		10	754863	TR	EET CHI	02/20/24 14:04

**Client Sample ID: MW-03**  
**Date Collected: 02/06/24 12:43**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 19:52
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:38
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:37
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:24
Total/NA	Analysis	SM 4500 CI- E		1	753095	TR	EET CHI	02/07/24 13:04
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:25
Total/NA	Analysis	SM 4500 SO4 E		20	754863	TR	EET CHI	02/20/24 14:03



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-04**  
**Date Collected: 02/06/24 13:40**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 19:55
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:41
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:39
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:27
Total/NA	Analysis	SM 4500 CI- E		2	753095	TR	EET CHI	02/07/24 13:27
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:30
Total/NA	Analysis	SM 4500 SO4 E		20	754863	TR	EET CHI	02/20/24 14:03

**Client Sample ID: MW-13**  
**Date Collected: 02/05/24 15:07**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 19:59
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:45
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:41
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:29
Total/NA	Analysis	SM 4500 CI- E		20	753095	TR	EET CHI	02/07/24 14:06
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:35
Total/NA	Analysis	SM 4500 SO4 E		5	754863	TR	EET CHI	02/20/24 13:38

**Client Sample ID: MW-14**  
**Date Collected: 02/05/24 15:47**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 20:02
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:49
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:43
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:32
Total/NA	Analysis	SM 4500 CI- E		5	753095	TR	EET CHI	02/07/24 13:30
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:40
Total/NA	Analysis	SM 4500 SO4 E		20	754863	TR	EET CHI	02/20/24 14:03

# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-15**  
**Date Collected: 02/06/24 09:29**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-7**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 20:06
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:53
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:45
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:34
Total/NA	Analysis	SM 4500 Cl- E		2	753095	TR	EET CHI	02/07/24 13:31
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:54
Total/NA	Analysis	SM 4500 SO4 E		20	754863	TR	EET CHI	02/20/24 14:02

**Client Sample ID: 1N/1S Duplicate**  
**Date Collected: 02/06/24 00:00**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753405	RN	EET CHI	02/08/24 20:09
Total Recoverable	Prep	3005A			752999	BDE	EET CHI	02/07/24 09:01 - 02/07/24 15:01 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	754170	RN	EET CHI	02/14/24 14:57
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 08:48
Total/NA	Analysis	SM 2540C		1	752912	CLB	EET CHI	02/06/24 22:37
Total/NA	Analysis	SM 4500 Cl- E		2	753095	TR	EET CHI	02/07/24 13:28
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 17:59
Total/NA	Analysis	SM 4500 SO4 E		20	754863	TR	EET CHI	02/20/24 14:03

**Client Sample ID: MW-07**  
**Date Collected: 02/07/24 15:40**  
**Date Received: 02/08/24 09:02**

**Lab Sample ID: 500-245764-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753633	RN	EET CHI	02/09/24 21:46
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753801	RN	EET CHI	02/12/24 19:15
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	753991	RN	EET CHI	02/13/24 15:38
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 09:12
Total/NA	Analysis	SM 2540C		1	753339	CLB	EET CHI	02/09/24 00:57
Total/NA	Analysis	SM 4500 Cl- E		5	753572	TR	EET CHI	02/11/24 14:45
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 18:03
Total/NA	Analysis	SM 4500 SO4 E		10	754863	TR	EET CHI	02/20/24 14:05

Eurofins Chicago



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S

Job ID: 500-245764-1

**Client Sample ID: MW-08**

**Lab Sample ID: 500-245764-10**

**Date Collected: 02/07/24 14:25**

**Matrix: Water**

**Date Received: 02/08/24 09:02**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753633	RN	EET CHI	02/09/24 21:50
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753801	RN	EET CHI	02/12/24 19:27
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	753991	RN	EET CHI	02/13/24 15:41
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 09:14
Total/NA	Analysis	SM 2540C		1	753934	CLB	EET CHI	02/14/24 03:04
Total/NA	Analysis	SM 4500 Cl- E		5	753572	TR	EET CHI	02/11/24 14:42
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 18:08
Total/NA	Analysis	SM 4500 SO4 E		10	754863	TR	EET CHI	02/20/24 14:04

**Client Sample ID: MW-09**

**Lab Sample ID: 500-245764-11**

**Date Collected: 02/07/24 12:58**

**Matrix: Water**

**Date Received: 02/08/24 09:02**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753633	RN	EET CHI	02/09/24 21:53
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		1	753801	RN	EET CHI	02/12/24 19:30
Total Recoverable	Prep	3005A			753415	BDE	EET CHI	02/09/24 08:52 - 02/09/24 15:52 <sup>1</sup>
Total Recoverable	Analysis	6020B		10	753991	RN	EET CHI	02/13/24 15:45
Total/NA	Prep	7470A			755029	MJG	EET CHI	02/21/24 10:00 - 02/21/24 12:00 <sup>1</sup>
Total/NA	Analysis	7470A		1	755246	MJG	EET CHI	02/22/24 09:16
Total/NA	Analysis	SM 2540C		1	753934	CLB	EET CHI	02/14/24 03:07
Total/NA	Analysis	SM 4500 Cl- E		5	753572	TR	EET CHI	02/11/24 14:43
Total/NA	Analysis	SM 4500 F C		1	756829	TR	EET CHI	03/04/24 18:13
Total/NA	Analysis	SM 4500 SO4 E		5	754863	TR	EET CHI	02/20/24 13:40

<sup>1</sup> 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 3/11/2024 1:37:14 PM

**JOB DESCRIPTION**

Will County CCR 1N/1S (RAD)

**JOB NUMBER**

500-245764-2

# 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: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Job ID: 500-245764-2**

**Eurofins Chicago**

## Job Narrative 500-245764-2

### Receipt

The samples were received on 2/6/2024 4:03 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.4° C, 1.6° C, 2.0° C and 3.2° C.

### 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: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

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 1N/1S (RAD)

Job ID: 500-245764-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-245764-1	MW-01	Water	02/06/24 10:23	02/06/24 16:03
500-245764-2	MW-02	Water	02/06/24 11:09	02/06/24 16:03
500-245764-3	MW-03	Water	02/06/24 12:43	02/06/24 16:03
500-245764-4	MW-04	Water	02/06/24 13:40	02/06/24 16:03
500-245764-5	MW-13	Water	02/05/24 15:07	02/06/24 16:03
500-245764-6	MW-14	Water	02/05/24 15:47	02/06/24 16:03
500-245764-7	MW-15	Water	02/06/24 09:29	02/06/24 16:03
500-245764-8	1N/1S Duplicate	Water	02/06/24 00:00	02/06/24 16:03
500-245764-9	MW-07	Water	02/07/24 15:40	02/08/24 09:02
500-245764-10	MW-08	Water	02/07/24 14:25	02/08/24 09:02
500-245764-11	MW-09	Water	02/07/24 12:58	02/08/24 09:02

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# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-01**  
**Date Collected: 02/06/24 10:23**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-1**  
**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	0.125		0.0827	0.0835	1.00	0.111	pCi/L	02/09/24 10:00	03/04/24 17:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					02/09/24 10:00	03/04/24 17:37	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	0.561	U	0.391	0.394	1.00	0.593	pCi/L	02/09/24 10:02	02/27/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.8		30 - 110					02/09/24 10:02	02/27/24 12:05	1
Y Carrier	79.3		30 - 110					02/09/24 10:02	02/27/24 12:05	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	0.686		0.400	0.403	5.00	0.593	pCi/L		03/11/24 12:33	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-02**  
**Date Collected: 02/06/24 11:09**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-2**  
**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	0.248		0.116	0.118	1.00	0.136	pCi/L	02/09/24 10:00	03/04/24 17:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/09/24 10:00	03/04/24 17:37	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	0.251	U	0.320	0.321	1.00	0.532	pCi/L	02/09/24 10:02	02/27/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/09/24 10:02	02/27/24 12:06	1
Y Carrier	83.4		30 - 110					02/09/24 10:02	02/27/24 12:06	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	0.499	U	0.340	0.342	5.00	0.532	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-03**

**Lab Sample ID: 500-245764-3**

Date Collected: 02/06/24 12:43

Matrix: Water

Date Received: 02/06/24 16:03

**Method: EPA 903.0 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-226</b>	<b>0.309</b>		0.113	0.116	1.00	0.104	pCi/L	02/09/24 10:00	03/04/24 17:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					02/09/24 10:00	03/04/24 17:37	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.816</b>		0.372	0.380	1.00	0.489	pCi/L	02/09/24 10:02	02/27/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					02/09/24 10:02	02/27/24 12:06	1
Y Carrier	83.7		30 - 110					02/09/24 10:02	02/27/24 12:06	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
<b>Combined Radium 226 + 228</b>	<b>1.12</b>		0.389	0.397	5.00	0.489	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-04**

**Lab Sample ID: 500-245764-4**

Date Collected: 02/06/24 13:40

Matrix: Water

Date Received: 02/06/24 16:03

**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	0.0909	U	0.0849	0.0853	1.00	0.131	pCi/L	02/09/24 10:00	03/04/24 17:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/09/24 10:00	03/04/24 17:37	1

**Method: EPA 904.0 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
<b>Radium-228</b>	<b>0.679</b>		0.334	0.340	1.00	0.448	pCi/L	02/09/24 10:02	02/27/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		30 - 110					02/09/24 10:02	02/27/24 12:06	1
Y Carrier	86.4		30 - 110					02/09/24 10:02	02/27/24 12:06	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
<b>Combined Radium 226 + 228</b>	<b>0.770</b>		0.345	0.351	5.00	0.448	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-13**

**Lab Sample ID: 500-245764-5**

Date Collected: 02/05/24 15:07

Matrix: Water

Date Received: 02/06/24 16:03

**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	0.356		0.172	0.175	1.00	0.224	pCi/L	02/09/24 10:00	03/04/24 17:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					02/09/24 10:00	03/04/24 17:37	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	0.220	U	0.366	0.366	1.00	0.626	pCi/L	02/09/24 10:02	02/27/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					02/09/24 10:02	02/27/24 12:06	1
Y Carrier	95.0		30 - 110					02/09/24 10:02	02/27/24 12:06	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	0.576	U	0.404	0.406	5.00	0.626	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-14**

**Lab Sample ID: 500-245764-6**

Date Collected: 02/05/24 15:47

Matrix: Water

Date Received: 02/06/24 16:03

**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	0.476		0.137	0.144	1.00	0.129	pCi/L	02/09/24 10:00	03/04/24 17:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					02/09/24 10:00	03/04/24 17:31	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	0.336	U	0.306	0.308	1.00	0.485	pCi/L	02/09/24 10:02	02/27/24 12:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.8		30 - 110					02/09/24 10:02	02/27/24 12:15	1
Y Carrier	87.5		30 - 110					02/09/24 10:02	02/27/24 12:15	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	0.812		0.335	0.340	5.00	0.485	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-15**  
**Date Collected: 02/06/24 09:29**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-7**  
**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	0.302		0.103	0.106	1.00	0.0952	pCi/L	02/12/24 10:38	03/06/24 10:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					02/12/24 10:38	03/06/24 10:01	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	0.457	U	0.313	0.316	1.00	0.462	pCi/L	02/12/24 10:41	02/22/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					02/12/24 10:41	02/22/24 11:56	1
Y Carrier	84.1		30 - 110					02/12/24 10:41	02/22/24 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	0.760		0.330	0.333	5.00	0.462	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: 1N/1S Duplicate**

**Lab Sample ID: 500-245764-8**

Date Collected: 02/06/24 00:00

Matrix: Water

Date Received: 02/06/24 16:03

**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	0.333		0.106	0.111	1.00	0.0934	pCi/L	02/12/24 10:38	03/06/24 10:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					02/12/24 10:38	03/06/24 10:01	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	0.987		0.397	0.408	1.00	0.502	pCi/L	02/12/24 10:41	02/22/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					02/12/24 10:41	02/22/24 11:56	1
Y Carrier	84.1		30 - 110					02/12/24 10:41	02/22/24 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	1.32		0.411	0.423	5.00	0.502	pCi/L		03/11/24 12:33	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-07**

**Lab Sample ID: 500-245764-9**

Date Collected: 02/07/24 15:40

Matrix: Water

Date Received: 02/08/24 09:02

**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	0.138		0.0745	0.0755	1.00	0.0898	pCi/L	02/13/24 10:25	03/07/24 17:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/13/24 10:25	03/07/24 17:42	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	0.437	U	0.337	0.340	1.00	0.523	pCi/L	02/13/24 10:31	02/26/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/13/24 10:31	02/26/24 11:59	1
Y Carrier	84.5		30 - 110					02/13/24 10:31	02/26/24 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	0.575		0.345	0.348	5.00	0.523	pCi/L		03/08/24 16:38	1



# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-08**  
**Date Collected: 02/07/24 14:25**  
**Date Received: 02/08/24 09:02**

**Lab Sample ID: 500-245764-10**  
**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	0.0864	U	0.0725	0.0729	1.00	0.108	pCi/L	02/13/24 10:25	03/07/24 17:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/13/24 10:25	03/07/24 17:42	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	0.406	U	0.343	0.345	1.00	0.536	pCi/L	02/13/24 10:31	02/26/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					02/13/24 10:31	02/26/24 11:59	1
Y Carrier	81.5		30 - 110					02/13/24 10:31	02/26/24 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	0.492	U	0.351	0.353	5.00	0.536	pCi/L		03/08/24 16:38	1

# Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-09**  
**Date Collected: 02/07/24 12:58**  
**Date Received: 02/08/24 09:02**

**Lab Sample ID: 500-245764-11**  
**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	0.0944		0.0661	0.0666	1.00	0.0880	pCi/L	02/13/24 10:25	03/07/24 17:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					02/13/24 10:25	03/07/24 17:42	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	0.397	U	0.364	0.366	1.00	0.580	pCi/L	02/13/24 10:31	02/26/24 11:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					02/13/24 10:31	02/26/24 11:59	1
Y Carrier	84.9		30 - 110					02/13/24 10:31	02/26/24 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	0.491	U	0.370	0.372	5.00	0.580	pCi/L		03/08/24 16:38	1

# Definitions/Glossary

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

## 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.
α	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 1N/1S (RAD)

Job ID: 500-245764-2

## Rad

### Prep Batch: 647502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	PrecSep-21	
500-245764-2	MW-02	Total/NA	Water	PrecSep-21	
500-245764-3	MW-03	Total/NA	Water	PrecSep-21	
500-245764-4	MW-04	Total/NA	Water	PrecSep-21	
500-245764-5	MW-13	Total/NA	Water	PrecSep-21	
500-245764-6	MW-14	Total/NA	Water	PrecSep-21	
MB 160-647502/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-647502/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 647504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-1	MW-01	Total/NA	Water	PrecSep_0	
500-245764-2	MW-02	Total/NA	Water	PrecSep_0	
500-245764-3	MW-03	Total/NA	Water	PrecSep_0	
500-245764-4	MW-04	Total/NA	Water	PrecSep_0	
500-245764-5	MW-13	Total/NA	Water	PrecSep_0	
500-245764-6	MW-14	Total/NA	Water	PrecSep_0	
MB 160-647504/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-647504/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 647872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-7	MW-15	Total/NA	Water	PrecSep-21	
500-245764-8	1N/1S Duplicate	Total/NA	Water	PrecSep-21	
MB 160-647872/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-647872/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 647873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-7	MW-15	Total/NA	Water	PrecSep_0	
500-245764-8	1N/1S Duplicate	Total/NA	Water	PrecSep_0	
MB 160-647873/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-647873/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

### Prep Batch: 647941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total/NA	Water	PrecSep-21	
500-245764-10	MW-08	Total/NA	Water	PrecSep-21	
500-245764-11	MW-09	Total/NA	Water	PrecSep-21	
MB 160-647941/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-647941/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 647942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-245764-9	MW-07	Total/NA	Water	PrecSep_0	
500-245764-10	MW-08	Total/NA	Water	PrecSep_0	
500-245764-11	MW-09	Total/NA	Water	PrecSep_0	
MB 160-647942/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-647942/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

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

**Lab Sample ID: MB 160-647502/1-A**  
**Matrix: Water**  
**Analysis Batch: 650942**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 647502**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.01998	U	0.0467	0.0468	1.00	0.0887	pCi/L	02/09/24 10:00	03/04/24 13:10	1
Carrier	MB		Limits							
Ba Carrier	%Yield	MB Qualifier	30 - 110							
	97.0									
		Prepared	Analyzed	Dil Fac						
		02/09/24 10:00	03/04/24 13:10	1						

**Lab Sample ID: LCS 160-647502/2-A**  
**Matrix: Water**  
**Analysis Batch: 650947**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 647502**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	
				Uncert. (2σ+/-)						
Radium-226	11.3	10.79		1.13	1.00	0.128	pCi/L	95	75 - 125	
Carrier	LCS	LCS								
Ba Carrier	%Yield	Qualifier	Limits							
	98.0		30 - 110							

**Lab Sample ID: MB 160-647872/1-A**  
**Matrix: Water**  
**Analysis Batch: 651299**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 647872**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.08765	U	0.0679	0.0684	1.00	0.0996	pCi/L	02/12/24 10:38	03/06/24 08:14	1
Carrier	MB		Limits							
Ba Carrier	%Yield	MB Qualifier	30 - 110							
	103									
		Prepared	Analyzed	Dil Fac						
		02/12/24 10:38	03/06/24 08:14	1						

**Lab Sample ID: LCS 160-647872/2-A**  
**Matrix: Water**  
**Analysis Batch: 651299**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 647872**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	
				Uncert. (2σ+/-)						
Radium-226	11.3	11.74		1.20	1.00	0.133	pCi/L	104	75 - 125	
Carrier	LCS	LCS								
Ba Carrier	%Yield	Qualifier	Limits							
	94.9		30 - 110							

**Lab Sample ID: MB 160-647941/1-A**  
**Matrix: Water**  
**Analysis Batch: 651424**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 647941**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.02484	U	0.0473	0.0473	1.00	0.0855	pCi/L	02/13/24 10:25	03/07/24 16:13	1

Euofins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

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

Lab Sample ID: MB 160-647941/1-A  
 Matrix: Water  
 Analysis Batch: 651424

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 647941

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.3		30 - 110	02/13/24 10:25	03/07/24 16:13	1

Lab Sample ID: LCS 160-647941/2-A  
 Matrix: Water  
 Analysis Batch: 651424

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 647941

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	11.3	9.806		1.03	1.00	0.137	pCi/L	87	75 - 125

  

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.3		30 - 110

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

Lab Sample ID: MB 160-647504/1-A  
 Matrix: Water  
 Analysis Batch: 650045

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 647504

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.09967	U	0.294	0.294	1.00	0.522	pCi/L	02/09/24 10:02	02/27/24 12:03	1

  

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110	02/09/24 10:02	02/27/24 12:03	1
Y Carrier	83.7		30 - 110	02/09/24 10:02	02/27/24 12:03	1

Lab Sample ID: LCS 160-647504/2-A  
 Matrix: Water  
 Analysis Batch: 650045

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 647504

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.17	9.558		1.27	1.00	0.464	pCi/L	104	75 - 125

  

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	98.0		30 - 110
Y Carrier	84.1		30 - 110

Lab Sample ID: MB 160-647873/1-A  
 Matrix: Water  
 Analysis Batch: 649187

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 647873

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2353	U	0.201	0.202	1.00	0.450	pCi/L	02/12/24 10:41	02/22/24 11:52	1

Euromins Chicago

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

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

**Lab Sample ID: MB 160-647873/1-A**  
**Matrix: Water**  
**Analysis Batch: 649187**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 647873**

Carrier	MB MB		Limits
	%Yield	Qualifier	
Ba Carrier	103		30 - 110
Y Carrier	87.5		30 - 110

Prepared	Analyzed	Dil Fac
02/12/24 10:41	02/22/24 11:52	1
02/12/24 10:41	02/22/24 11:52	1

**Lab Sample ID: LCS 160-647873/2-A**  
**Matrix: Water**  
**Analysis Batch: 649187**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 647873**

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

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	94.9		30 - 110
Y Carrier	83.7		30 - 110

**Lab Sample ID: MB 160-647942/1-A**  
**Matrix: Water**  
**Analysis Batch: 649794**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 647942**

Analyte	MB MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.3657	U	0.302	0.304	1.00	0.469	pCi/L	02/13/24 10:31	02/26/24 11:48	1

Carrier	MB MB		Limits
	%Yield	Qualifier	
Ba Carrier	97.3		30 - 110
Y Carrier	84.1		30 - 110

Prepared	Analyzed	Dil Fac
02/13/24 10:31	02/26/24 11:48	1
02/13/24 10:31	02/26/24 11:48	1

**Lab Sample ID: LCS 160-647942/2-A**  
**Matrix: Water**  
**Analysis Batch: 649794**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 647942**

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

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	98.3		30 - 110
Y Carrier	85.6		30 - 110

Eurofins Chicago

2417 Bond Street
University Park, IL 60484
Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

Client Information: Ian John Howison, Mockler, Diana J. Analysis Requested: Job # A 500-245764. Sample Identification table with columns for Sample ID, Date, Time, Type, Matrix, and various analysis parameters. Includes sections for Hazard Identification and Relinquishment.



**Eurofins Chicago**

2417 Bond Street  
 University Park, IL 60484  
 Phone: 708-534-5200 Fax: 708-534-5211

**Chain of Custody Record**

**eurofins** | Environment Testing

<b>Client Information</b>		Sampler: <b>JAN SEAN HONIGSMAN</b>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-120313-45943.1			
Client Contact: Patrick Allenstein		Phone: <b>630 290 6850</b>		E-Mail: Diana.Mockler@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1			
Company: KPRG and Associates, Inc.		PWSID:		<b>Analysis Requested</b>						Job #: <b>500-245764</b>	
Address: 14665 West Lisbon Road, Suite 1A City: Brookfield State, Zip: WI, 53005 Phone: 500-245764 COC Email: patricka@kprginc.com		Due Date Requested:		TAT Requested (days):		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 4502116508		WO #:	
Project Name: Will County 1N/1S Event Desc: Quarterly GW Monitoring		Project #: 50011609 <b>CCR</b>		SSOW#:		Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)		Preservation Codes:		Other:	
Site: Illinois		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix		Special Instructions/Note:	
<b>Sample Identification</b>											
MW-01		---		---		---		Water			
MW-02		---		---		---		Water			
MW-03		---		---		---		Water			
MW-04		---		---		---		Water			
9 10 11 MW-07		2-7-24		15:40		G		Water		N N X X X	
MW-08		2-7-24		14:25		G		Water		N N X X X	
MW-09		2-7-24		12:58		G		Water		N N X X X	
MW-13		---		---		---		Water			
MW-14		---		---		---		Water			
MW-15		---		---		---		Water			
1N/1S Duplicate		---		---		---		Water			
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>					
<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: 2-8-24 09:02		Company: KPRG		Received by: <i>[Signature]</i>		Date/Time: 2/8/24 0902		Company: EPTA	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks.		-0.1-20.4					

# Chain of Custody Record



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-184534.1																																																																																																																					
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	Page: Page 1 of 1																																																																																																																					
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	Job #: 500-245764-2																																																																																																																					
Address: 13715 Rider Trail North,		<b>Analysis Requested</b>																																																																																																																						
City: Earth City	Due Date Requested: 3/11/2024	<table border="1"> <thead> <tr> <th>Sample ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)</th> <th>Preservation Code:</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>903.0/PreSep_21 Standard Target List</th> <th>904.0/PreSep_0 Standard Target List</th> <th>Raz26Ra228_GFPc</th> <th>Total Number of containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>MW-01 (500-245764-1)</td> <td>2/6/24</td> <td>10:23 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-02 (500-245764-2)</td> <td>2/6/24</td> <td>11:09 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-03 (500-245764-3)</td> <td>2/6/24</td> <td>12:43 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-04 (500-245764-4)</td> <td>2/6/24</td> <td>13:40 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-13 (500-245764-5)</td> <td>2/5/24</td> <td>15:07 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-14 (500-245764-6)</td> <td>2/5/24</td> <td>15:47 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>MW-15 (500-245764-7)</td> <td>2/6/24</td> <td>09:29 Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> <tr> <td>1N/1S Duplicate (500-245764-8)</td> <td>2/6/24</td> <td>Central</td> <td></td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3</td> <td>Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.</td> </tr> </tbody> </table>		Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)	Preservation Code:	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_GFPc	Total Number of containers	Special Instructions/Note:	MW-01 (500-245764-1)	2/6/24	10:23 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-02 (500-245764-2)	2/6/24	11:09 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-03 (500-245764-3)	2/6/24	12:43 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-04 (500-245764-4)	2/6/24	13:40 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-13 (500-245764-5)	2/5/24	15:07 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-14 (500-245764-6)	2/5/24	15:47 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	MW-15 (500-245764-7)	2/6/24	09:29 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.	1N/1S Duplicate (500-245764-8)	2/6/24	Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
Sample ID (Lab ID)	Sample Date			Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)	Preservation Code:	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_GFPc	Total Number of containers	Special Instructions/Note:																																																																																																										
MW-01 (500-245764-1)	2/6/24			10:23 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-02 (500-245764-2)	2/6/24			11:09 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-03 (500-245764-3)	2/6/24			12:43 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-04 (500-245764-4)	2/6/24			13:40 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-13 (500-245764-5)	2/5/24			15:07 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-14 (500-245764-6)	2/5/24			15:47 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
MW-15 (500-245764-7)	2/6/24			09:29 Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
1N/1S Duplicate (500-245764-8)	2/6/24			Central		Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.																																																																																																										
City: Earth City	TAT Requested (days):	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA Other:																																																																																																																						
State, Zip: MO, 63045	PO #:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)																																																																																																																						
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	IWO #:																																																																																																																							
Email:	Project #:																																																																																																																							
Will County CCR 1N/1S (RAD)	50011609																																																																																																																							
Site: NRG Midwest Generation Will County	SSOW#:																																																																																																																							
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte &amp; 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/tests/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>																																																																																																																								
<p><b>Possible Hazard Identification</b>          Unconfirmed          Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2          Empty Kit Relinquished by: _____ Date: _____          Relinquished by: <i>[Signature]</i> Date: 2/24/24          Relinquished by: <i>[Signature]</i> Date: 2/24/24          Relinquished by: _____ Date: _____          Custody Seals Intact: _____          Δ Yes Δ No</p>																																																																																																																								
<p><b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>  <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months          Special Instructions/QC Requirements:</p>																																																																																																																								
<p>Received by: <b>Richard Thornley</b>          Date/Time: <b>FEB 07 2024 0850</b>          Company: <b>ETA 576</b>          Received by: _____ Date/Time: _____ Company: _____          Received by: _____ Date/Time: _____ Company: _____          Cooler Temperature(s) °C and Other Remarks:</p>																																																																																																																								

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PM: Mockler, Diana J	Carrier Tracking No(s): 500-184576-1
Client Contact: Shipping/Receiving		E-Mail: Diana.Mockler@et.eurofins.com	State of Origin: Illinois
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois	
Address: 13715 Rider Trail North, City: Earth City State, Zip: MO, 63045 Phone: 314-298-8566(Tel) 314-298-8757(Fax) Email:		Job #: 500-245764-2	
Project Name: Will County CCR 1N1S (RAD) Site: NRG Midwest Generation Will County		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - Trizma Y - Trizma Z - other (specify) Other:	
Due Date Requested: 2/27/2024 TAT Requested (days):		<b>Analysis Requested</b>	
PO #:	WO #:	903/PreSep_21 Standard Target List	904/PreSep_0 Standard Target List
Project #: 50011609	SSOW#:	Perform MS/MSD (Yes or No)	Total Number of Containers
Sample Identification - Client ID (Lab ID)		Field Filtered Sample (Yes or No)	Special Instructions/Note:
MW-07 (500-245764-9)	2/7/24	15:40 Central	Water
MW-08 (500-245764-10)	2/7/24	14:25 Central	Water
MW-09 (500-245764-11)	2/7/24	12:58 Central	Water
<p>Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte &amp; 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>			
<b>Possible Hazard Identification</b>			
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)			
<input type="checkbox"/> Return To Client		<input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Time:	
Relinquished by: <i>Ami</i>		Date: 2/8/24	
Relinquished by:		Date/Time: 1300	
Relinquished by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Received by: Richard Thomley		Received by: <i>RTS</i>	
Company: Company		Company: <i>ETA-51L</i>	
Received by:		Date/Time:	
Received by:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks:			



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-245764-2

**Login Number: 245764**

**List Source: Eurofins Chicago**

**List Number: 1**

**Creator: Scott, Sherri L**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	3.2,2.0,1.6,0.4
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	



# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-245764-2

**Login Number: 245764**

**List Number: 2**

**Creator: Thornley, Richard W**

**List Source: Eurofins St. Louis**

**List Creation: 02/08/24 02:33 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	

# Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-245764-2

**Login Number: 245764**

**List Number: 3**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

**List Creation: 02/12/24 08:53 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	



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-01**  
**Date Collected: 02/06/24 10:23**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650944	SCB	EET SL	03/04/24 17:37
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	650045	CMM	EET SL	02/27/24 12:05
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

**Client Sample ID: MW-02**  
**Date Collected: 02/06/24 11:09**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650944	SCB	EET SL	03/04/24 17:37
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	650045	CMM	EET SL	02/27/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

**Client Sample ID: MW-03**  
**Date Collected: 02/06/24 12:43**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650944	SCB	EET SL	03/04/24 17:37
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	650045	CMM	EET SL	02/27/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

**Client Sample ID: MW-04**  
**Date Collected: 02/06/24 13:40**  
**Date Received: 02/06/24 16:03**

**Lab Sample ID: 500-245764-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650944	SCB	EET SL	03/04/24 17:37
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	650045	CMM	EET SL	02/27/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

# Lab Chronicle

Client: Midwest Generation EME LLC  
Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

## Client Sample ID: MW-13

Date Collected: 02/05/24 15:07

Date Received: 02/06/24 16:03

## Lab Sample ID: 500-245764-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650944	SCB	EET SL	03/04/24 17:37
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	650045	CMM	EET SL	02/27/24 12:06
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

## Client Sample ID: MW-14

Date Collected: 02/05/24 15:47

Date Received: 02/06/24 16:03

## Lab Sample ID: 500-245764-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647502	KAC	EET SL	02/09/24 10:00
Total/NA	Analysis	903.0		1	650947	SCB	EET SL	03/04/24 17:31
Total/NA	Prep	PrecSep_0			647504	KAC	EET SL	02/09/24 10:02
Total/NA	Analysis	904.0		1	649966	CMM	EET SL	02/27/24 12:15
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

## Client Sample ID: MW-15

Date Collected: 02/06/24 09:29

Date Received: 02/06/24 16:03

## Lab Sample ID: 500-245764-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647872	KAC	EET SL	02/12/24 10:38
Total/NA	Analysis	903.0		1	651299	SWS	EET SL	03/06/24 10:01
Total/NA	Prep	PrecSep_0			647873	KAC	EET SL	02/12/24 10:41
Total/NA	Analysis	904.0		1	649187	CMM	EET SL	02/22/24 11:56
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33

## Client Sample ID: 1N/1S Duplicate

Date Collected: 02/06/24 00:00

Date Received: 02/06/24 16:03

## Lab Sample ID: 500-245764-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647872	KAC	EET SL	02/12/24 10:38
Total/NA	Analysis	903.0		1	651299	SWS	EET SL	03/06/24 10:01
Total/NA	Prep	PrecSep_0			647873	KAC	EET SL	02/12/24 10:41
Total/NA	Analysis	904.0		1	649187	CMM	EET SL	02/22/24 11:56
Total/NA	Analysis	Ra226_Ra228		1	651940	CAH	EET SL	03/11/24 12:33



# Lab Chronicle

Client: Midwest Generation EME LLC  
 Project/Site: Will County CCR 1N/1S (RAD)

Job ID: 500-245764-2

**Client Sample ID: MW-07**

**Lab Sample ID: 500-245764-9**

Date Collected: 02/07/24 15:40

Matrix: Water

Date Received: 02/08/24 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647941	KAC	EET SL	02/13/24 10:25
Total/NA	Analysis	903.0		1	651337	FLC	EET SL	03/07/24 17:42
Total/NA	Prep	PrecSep_0			647942	KAC	EET SL	02/13/24 10:31
Total/NA	Analysis	904.0		1	649842	MLK	EET SL	02/26/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	651666	FLC	EET SL	03/08/24 16:38

**Client Sample ID: MW-08**

**Lab Sample ID: 500-245764-10**

Date Collected: 02/07/24 14:25

Matrix: Water

Date Received: 02/08/24 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647941	KAC	EET SL	02/13/24 10:25
Total/NA	Analysis	903.0		1	651337	FLC	EET SL	03/07/24 17:42
Total/NA	Prep	PrecSep_0			647942	KAC	EET SL	02/13/24 10:31
Total/NA	Analysis	904.0		1	649842	MLK	EET SL	02/26/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	651666	FLC	EET SL	03/08/24 16:38

**Client Sample ID: MW-09**

**Lab Sample ID: 500-245764-11**

Date Collected: 02/07/24 12:58

Matrix: Water

Date Received: 02/08/24 09:02

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			647941	KAC	EET SL	02/13/24 10:25
Total/NA	Analysis	903.0		1	651337	FLC	EET SL	03/07/24 17:42
Total/NA	Prep	PrecSep_0			647942	KAC	EET SL	02/13/24 10:31
Total/NA	Analysis	904.0		1	649842	MLK	EET SL	02/26/24 11:59
Total/NA	Analysis	Ra226_Ra228		1	651666	FLC	EET SL	03/08/24 16:38

**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 1N/1S (RAD)

Job ID: 500-245764-2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	
500-245764-1	MW-01	92.8	
500-245764-2	MW-02	93.8	
500-245764-3	MW-03	91.8	
500-245764-4	MW-04	93.8	
500-245764-5	MW-13	91.0	
500-245764-6	MW-14	95.8	
500-245764-7	MW-15	89.8	
500-245764-8	1N/1S Duplicate	88.8	
500-245764-9	MW-07	101	
500-245764-10	MW-08	90.5	
500-245764-11	MW-09	92.5	
LCS 160-647502/2-A	Lab Control Sample	98.0	
LCS 160-647872/2-A	Lab Control Sample	94.9	
LCS 160-647941/2-A	Lab Control Sample	98.3	
MB 160-647502/1-A	Method Blank	97.0	
MB 160-647872/1-A	Method Blank	103	
MB 160-647941/1-A	Method Blank	97.3	

**Tracer/Carrier Legend**

Ba = Ba Carrier

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
500-245764-1	MW-01	92.8	79.3
500-245764-2	MW-02	93.8	83.4
500-245764-3	MW-03	91.8	83.7
500-245764-4	MW-04	93.8	86.4
500-245764-5	MW-13	91.0	95.0
500-245764-6	MW-14	95.8	87.5
500-245764-7	MW-15	89.8	84.1
500-245764-8	1N/1S Duplicate	88.8	84.1
500-245764-9	MW-07	101	84.5
500-245764-10	MW-08	90.5	81.5
500-245764-11	MW-09	92.5	84.9
LCS 160-647504/2-A	Lab Control Sample	98.0	84.1
LCS 160-647873/2-A	Lab Control Sample	94.9	83.7
LCS 160-647942/2-A	Lab Control Sample	98.3	85.6
MB 160-647504/1-A	Method Blank	97.0	83.7
MB 160-647873/1-A	Method Blank	103	87.5
MB 160-647942/1-A	Method Blank	97.3	84.1

**Tracer/Carrier Legend**

Ba = Ba Carrier

Y = Y Carrier

PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-6-24
Sample Name	MW-01	Start Time	10:05	
Condition of Well	Good			
Water Level	9.95	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLLECTS ODORLESS	
Volume Removed	2.75 GALS.	W L at Sample Time	9.96	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	10:23	
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)
10:08	9.96	7.05	10.0	1.566	5.87	-36.3	65.4
10:11	9.96	6.91	11.9	1.570	3.56	13.1	21.6
10:14	—	6.86	12.1	1.590	2.32	35.5	16.3
10:17	9.96	6.84	12.2	1.596	1.80	42.7	14.7
10:20	9.96	6.84	12.3	1.599	1.51	46.5	13.3
10:23	9.96	6.83	12.3	1.602	1.48	47.5	12.1
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-6-24
Sample Name	MW-02	Start Time	10:54	
Condition of Well	GOOD			
Water Level	11.06	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS TASTE ODORLESS TURB	
Volume Removed	2.5 GALS	W L at Sample Time	11.08	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CCA CLEAR FILTERED	
Sample Analysis	CCA + CCR	Sample Time	11:09	
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)
10:57	11.08	7.45	11.5	1.520	5.19	-67.8	5.4
11:00	11.08	7.56	12.9	1.517	3.44	-45.1	9.0
11:03	11.08	7.58	12.6	1.496	2.16	-26.0	14.2
11:06	—	7.58	12.4	1.497	1.72	-22.1	13.2
11:09	11.08	7.58	11.0	1.511	1.62	-21.0	12.7
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-6-24
Sample Name	MW-03	Start Time	12:25	
Condition of Well	GOOD			
Water Level	10.53	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	2.50 GALS.	W L at Sample Time	10.57	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CCA CLEAR FILTERED	
Sample Analysis	CCA + CCR + CCA DUP.	Sample Time	12:43	
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)
12:28	10.58	6.89	8.9	1.352	6.01	52.3	21.3
12:31	10.63	6.77	10.0	1.350	3.23	54.4	3.9
12:34	10.63	6.75	9.5	1.339	2.37	54.0	0.6
12:37	10.60	6.74	9.1	1.323	1.62	53.2	0.1
12:40	10.58	6.73	8.8	1.319	1.24	52.7	0.1
12:43	10.57	6.73	8.6	1.316	1.17	52.7	0.2
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-6-24
Sample Name	MW-04	Start Time	13:19	
Condition of Well	Good			
Water Level	10.95	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	LIGHT TAN TRACE ODORLESS TURB	
Volume Removed	3.25 Gals.	W L at Sample Time	10.96	
Method of Sample	Low-Flow	Sample Characteristics	APPROX CUA CLEAR FILTERED	
Sample Analysis	ECA + CCR	Sample Time	13:40	
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)
13:22	10.99	6.78	8.5	1.766	7.67	70.6	4.1
13:25	10.99	6.62	10.0	2.241	5.79	80.2	38.6
13:28	10.98	6.55	10.3	2.553	4.53	84.5	30.4
13:31	10.97	6.53	9.5	2.659	4.05	86.3	29.0
13:34	10.96	6.52	9.4	2.712	3.68	87.1	26.5
13:37	10.96	6.51	9.3	2.750	3.45	88.1	17.5
13:40	10.96	6.51	9.2	2.755	3.38	88.5	16.3
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-7-24
Sample Name	MW-07	Start Time	15:19	
Condition of Well	GOOD			
Water Level	10.42	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	3.25 QRS.	W L at Sample Time	10.59	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CCA CLEAR FILTERED	
Sample Analysis	CCA + CCR	Sample Time	15:40	
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)
15:22	10.51	6.65	10.7	1.868	6.88	43.5	3.62
15:25	10.59	6.45	11.6	1.994	3.78	58.1	2.35
15:28	10.56	6.43	11.2	2.022	2.72	60.5	1.63
15:31	10.59	6.42	11.3	2.025	2.37	59.1	1.28
15:34	10.61	6.42	11.5	2.027	2.18	51.7	1.05
15:37	10.62	6.42	11.5	2.031	2.21	42.1	0.82
15:40	10.59	6.42	11.6	2.032	2.08	39.6	0.41
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates





PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-7-24
Sample Name	MW-08	Start Time	14:04	
Condition of Well	Good			
Water Level	10.82	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	RUST COLOR - FIRST # PARTICLES DIPLOLESS MOD TURB	
Volume Removed	3.5 QTS	W L at Sample Time	10.89	
Method of Sample	Low-Flow	Sample Characteristics	RUST COLOR - FIRST AAPCS CLEAR FILTERED CCA	
Sample Analysis	CCA + CCR	Sample Time	14:25	
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)
14:07	10.96	6.94	9.6	1.887	6.22	36.6	331.0
14:10	11.14	6.86	10.1	2.086	3.56	40.1	255.7
14:13	11.02	6.85	9.9	2.136	2.57	39.4	183.4
14:16	11.08	6.85	10.0	2.146	2.45	38.5	123.8
14:19	10.98	6.86	9.9	2.155	2.38	38.2	82.7
14:22	10.94	6.86	9.5	2.157	2.46	38.9	62.2
14:25	10.89	6.86	9.6	2.158	2.49	39.0	39.8
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates





PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-7-24
Sample Name	MW-09	Start Time	12:40	
Condition of Well	Good			
Water Level	11.10	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	200 to 12 KEPS OR LESS	
Volume Removed	3.0 QTS.	W L at Sample Time	11.38	
Method of Sample	Low-Flow	Sample Characteristics	APPEAR CCA CLEAR FILTERED.	
Sample Analysis	11/15 25/35 CCA + CCR + CCR	Sample Time	12:58	
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)
12:43	11.26	8.24	9.5	1.342	5.59	-124.7	9.92
12:46	11.35	8.63	10.8	1.332	3.81	-109.2	14.2
12:49	11.39	8.74	11.2	1.332	3.30	-87.5	11.0
12:52	11.37	8.85	11.2	1.330	2.35	-80.1	10.4
12:55	11.39	8.88	11.4	1.328	1.79	-76.8	9.2
12:58	11.38	8.89	11.4	1.329	1.74	-76.3	9.3
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-5-24
Sample Name	MW-13	Start Time	2-5-24	
Condition of Well	GOOD			
Water Level	10.80	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	3.25 Gals.	W L at Sample Time	11.18	
Method of Sample	Low-Flow	Sample Characteristics	APPARENTLY TRACE CLEAR. TURB.	
Sample Analysis	CLR	Sample Time	15:07	
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)
14:52	10.88	7.26	11.3	1.932	8.58	33.4	42.7
14:55	10.96	7.05	11.0	2.701	8.27	47.6	22.1
14:58	11.06	7.05	10.9	2.710	8.27	49.7	21.0
15:01	11.12	7.06	10.8	2.708	8.29	51.4	22.4
15:04	11.18	7.06	10.7	2.704	8.29	53.6	22.5
15:07	11.18	7.06	10.7	2.709	8.28	54.5	22.0
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-5-24
Sample Name	MW-14	Start Time	15:32	
Condition of Well	Good			
Water Level	10.21	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODR	
Volume Removed	2.50 GALS	W L at Sample Time	10.28	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	15:47	
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)
15:35	10.26	7.45	9.2	1.657	4.63	-43.7	5.8
15:38	10.28	7.59	9.7	1.665	2.85	-85.9	3.6
15:41	10.28	7.68	9.5	1.659	2.03	-103.8	5.1
15:44	10.25	7.71	9.3	1.689	1.42	-112.3	3.2
15:47	10.28	7.70	9.0	1.718	1.23	-113.4	2.6
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-6-24
Sample Name	MW-15	Start Time	09:14	
Condition of Well	Good			
Water Level	9.53	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS TRACE ODORLESS TURB	
Volume Removed	2.75 QOS	W L at Sample Time		
Method of Sample	Low-Flow	Sample Characteristics	APPEARS TRACE CLEAR TURB	
Sample Analysis	CCR + CCR <sup>IN/IS</sup> DUPS	Sample Time	09:29	
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)
09:17	9.76	6.56	10.8	2.250	3.29	-50.4	84.2
09:20	9.94	6.60	10.2	2.425	1.50	-69.5	53.1
09:23	10.01	6.62	10.5	2.478	0.92	-77.5	28.7
09:26	10.06	6.62	10.3	2.486	0.79	-78.1	23.6
09:29	10.02	6.63	10.4	2.485	0.74	-78.5	20.5
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SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

