

DATA SUMMARY POSTING

Station: Midwest Generation Will County Generating Station

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

In accordance with the new Ill. Adm. Code Title 35, Part 845: Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments (State CCR Rule) groundwater monitoring was completed during the 1st quarter 2025 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

Table 1. Groundwater Analytical Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-05 up-gradient	11/11/2015	6.1	220	110	0.31	7.24	770	1900	< 0.003	0.0014	0.071	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.0750	-0.168	0.031	< 0.002
	2/18/2016	4.4	230	120	0.31	6.99	730	1600	< 0.003	0.0021	0.058	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.079	0.468	0.019	< 0.002
	5/26/2016	3.7	170	110	0.33	6.73	670	1500	< 0.003	0.0023	0.055	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.077	< 0.402	0.019	< 0.002
	8/10/2016	3.6	67	120	0.72	8.62	480	970	< 0.003	0.0044	0.043	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	F1 < 0.0002	0.14	< 0.394	0.0049	< 0.002
	10/26/2016	3.6	44	120	0.70	9.08	410	920	< 0.003	0.0047	0.033	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.12	0.592	< 0.0025	< 0.002
	2/1/2017	4.6	250	48	0.35	6.81	530	1600	< 0.003	0.0015	0.058	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	^< 0.0002	0.048	< 0.424	0.029	< 0.002
	5/11/2017	4.0	140	85	0.31	7.86	610	1200	< 0.003	0.0035	0.053	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.093	< 0.388	< 0.0025	< 0.002
	6/27/2017	3.8	83	99	0.53	7.95	500	1000	< 0.003	0.0037	0.045	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.412	< 0.0025	< 0.002
	9/8/2017	4.8	89	78	0.52	9.40	490	1000	< 0.003	0.0038	V 0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.095	0.486	0.0047	< 0.002
	11/16/2017	4.8	180	52	0.45	6.70	650	1500	< 0.003	0.0028	0.065	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.064	< 0.379	0.012	< 0.002
	5/2/2018	3.6	200	32	0.39	7.23	510	1300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	4.9	150	55	0.48	7.07	430	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.1	61	91	0.59	9.10	380	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.9	170	31	0.41	6.95	440	1200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	4.5	52	70	0.59	7.39	300	870	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/4/2020	5.0	130	29	0.38	7.06	410	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/24/2021	4.7	120	28	0.53	7.07	430	1000	< 0.003	0.0011	0.046	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.063	< 0.492	0.042	< 0.002
	8/24/2021	4.6	33	45	0.74	9.42	410	580	< 0.003	0.0054	0.028	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.091	1.230	< 0.0025	< 0.002
	11/23/2021	5.5	140	22	0.44	6.80	370	1100	< 0.003	0.0035	0.066	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.066	0.784	0.012	< 0.002
	2/24/2022	4.9	210	25	0.39	6.73	660	1400	< 0.003	0.0092	0.077	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.059	< 0.415	0.048	< 0.002
	6/16/2022	5.1	120	41	0.34	7.05	510	1100	< 0.003	0.0037	0.055	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.064	< 0.471	0.008	< 0.002
	8/25/2022	6.6	130	20	0.4	6.69	300	940	< 0.003	0.0043	0.072	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.061	< 0.570	0.0056	< 0.002
	11/15/2022	8.9	150	9.8	0.72	6.78	310	930	< 0.003	0.0032	0.099	^+ < 0.001	0.0040	0.008	< 0.001	< 0.0005	0.02	< 0.0002	0.1	< 0.569	0.089	< 0.002
	2/23/2023	6.3	120	26	0.43	6.83	430	1100	< 0.003	0.0018	0.058	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	0.00027	0.067	< 0.655	0.021	< 0.002
	4/26/2023	4.9	210	33	0.47	6.73	670	1600	< 0.0030	0.0022	0.040	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.055	< 0.479	0.039	< 0.002
	7/26/2023	4.8	180	18	0.50	6.91	440	1200	< 0.0030	0.0014	0.061	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.00020	0.053	0.823	0.070	< 0.002
	10/24/2023	6.8	140	8.6	0.52	6.68	210	850	< 0.0030	0.0014	0.074	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	0.023	< 0.00020	0.071	< 0.967	0.077	< 0.002
	12/7/2023 R	5.7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/7/2024	4.8	260	38	0.32	6.62	800	1900	^1+ < 0.030	0.0018	0.060	^1+ < 0.010	^+ < 0.00050	< 0.0050	^+ < 0.0010	< 0.00050	0.017	< 0.00020	0.046	< 0.655	0.055	^+ < 0.0020
	5/8/2024	5.3	83	34	0.65	7.36	450	930	< 0.030	0.0020	0.033	< 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.050	< 0.00020	0.079	< 0.655	0.0054	< 0.0020
	8/6/2024	5.2	120	31	0.52	6.72	420	1000	< 0.0030	0.0015	0.052	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.018	< 0.00020	0.054	< 0.608	0.0049	< 0.0020
	11/5/2024	5.8	110	30	0.58	7.46	410	1000	< 0.0030	0.0020	0.056	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.067	< 0.559	< 0.0025	< 0.0020
	2/5/2025	^5- 4.3	97	17	0.46	7.16	290	760	< 0.0030	0.0011	0.039	^5- ^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^5- 0.012	< 0.00020	0.056	< 0.507	0.016	< 0.0020
MW-06 up-gradient	11/10/2015	3.0	52	100	0.55	8.63	300	660	< 0.003	0.0016	0.048	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.0670	-0.383	0.0039	< 0.002
	2/18/2016	2.5	74	150	0.47	8.58	280	650	< 0.003	0.0014	0.068	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.0630	0.412	< 0.0025	< 0.002
	5/26/2016	2.7	86	92	0.44	7.79	350	800	< 0.003	0.002	0.068	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.042	< 0.422	< 0.0025	< 0.002
	8/11/2016	3.6	110	58	0.35	7.74	330	840	< 0.003	0.0029	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	< 0.339	< 0.0025	< 0.002
	10/26/2016	3.8	86	74	0.40	8.16	220	800														

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Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-09 down-gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750	< 0.003	0.0047	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	-0.2208	< 0.0025	< 0.002
	2/17/2016	1.8	47	160	0.55	9.10	250	600	< 0.003	0.0051	0.027	^< 0.001	< 0.0005	< 0.005	< 0.001	0.00065	< 0.01	< 0.0002	0.089	< 0.373	< 0.0025	< 0.002
	5/24/2016	1.6	48	180	0.51	8.79	240	640	< 0.003	0.0043	0.027	^< 0.001	< 0.0005	< 0.005	< 0.001	0.00071	< 0.01	< 0.0002	0.079	0.508	< 0.0025	< 0.002
	8/9/2016	2.2	53	140	0.48	8.35	280	750	< 0.003	0.0052	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	0.639	< 0.0025	< 0.002
	10/26/2016	2.2	33	130	0.81	9.16	230	660	< 0.003	0.0069	0.019	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.608	< 0.0025	< 0.002
	1/31/2017	2.0	61	250	0.57	8.59	180	710	< 0.003	0.0063	0.038	* < 0.001	< 0.0005	< 0.005	< 0.001	0.0014	< 0.01	^< 0.0002	0.09	< 0.45	< 0.0025	< 0.002
	5/9/2017	1.8	66	340	0.38	8.58	250	900	< 0.003	0.0052	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	< 0.01	< 0.0002	0.093	< 0.361	< 0.0025	< 0.002
	6/27/2017	1.9	64	330	0.51	7.76	240	940	< 0.003	0.0046	0.039	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.091	0.638	< 0.0025	< 0.002
	9/6/2017	1.8	59	310	0.51	8.98	240	890	< 0.003	0.0047	0.038	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.1	0.454	< 0.0025	< 0.002
	11/14/2017	2.6	160	270	0.51	8.1	290	910	< 0.003	0.0017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.026	< 0.372	0.0061	< 0.002
	5/1/2018	1.7	49	200	0.52	7.81	430	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	NA	320	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	2.1	49	170	0.55	8.09	270	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.5	48	280	0.29	8.90	150	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	2.0	38	140	0.46	8.65	160	630	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	1.3	55	320	0.32	8.66	140	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.0	43	240	0.55	8.64	180	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2021	1.6	67	360	0.39	8.74	180	900	< 0.003	0.0044	0.054	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.054	0.741	< 0.0025	< 0.002
	8/25/2021	1.9	60	360	0.43	9.06	210	800	< 0.003	0.0065	0.049	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	< 0.444	< 0.0025	< 0.002
	11/23/2021	1.1	30	290	0.47	8.73	210	900	< 0.003	0.0046	0.024	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.037	0.789	< 0.0025	< 0.002
	2/22/2022	1.5	49	250	0.4	8.65	160	900	< 0.003	0.007	0.037	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.0065	< 0.0002	0.051	< 0.409	< 0.0025	< 0.002
	6/15/2022	1.9	43	230	0.48	8.35	180	730	< 0.003	0.0071	0.036	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.057	< 0.39	< 0.0025	< 0.002
	8/25/2022	2.1	38	210	0.58	8.68	190	770	< 0.003	0.0089	0.034	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.065	1.22	< 0.0025	< 0.002
	11/16/2022	2.3	37	210	0.79	8.82	160	690	< 0.003	0.0094	0.036	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.00066	< 0.01	< 0.0002	0.067	< 0.51	< 0.0025	< 0.002
	2/23/2023	2.0	38	190	0.53	9.04	210	680	< 0.0030	0.0086	0.029	^1+ ^+ < 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.065	< 0.614	< 0.0025	< 0.002
	4/26/2023	1.8	38	190	0.48	8.82	220	750	< 0.0030	0.008	0.029	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.062	< 0.562	< 0.0025	< 0.002
	7/26/2023	2.0	44	190	0.49	8.83	250	720	< 0.0030	0.0087	0.036	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.074	< 0.733	< 0.0025	< 0.002
	10/24/2023	2.0	41	200	0.52	8.68	200	770	< 0.0030	0.010	0.035	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.070	< 0.549	< 0.0025	< 0.002
	2/7/2024	2.1	39	190	0.60	8.89	230	680	^1+ < 0.030	0.0082	0.035	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.068	0.588	< 0.0025	< 0.0020
	5/8/2024	1.8	41	180	0.52	9.33	230	740	< 0.003	0.0075	0.031	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	0.00021	0.063	< 0.634	< 0.0025	< 0.0020
	8/5/2024	1.9	45	200	0.54	8.71	220	800	< 0.0030	0.010	0.042	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.073	< 0.578	< 0.0025	< 0.0020
	11/4/2024	2.2	40	220	0.59	9.01	230	810	< 0.0030	0.010	0.037	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.080	0.726	< 0.0025	< 0.0020
	2/4/2025	1.7	41	210	0.53	8.79	250	800	< 0.0030	0.0093	0.039	^1+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^5- < 0.010	< 0.00020	0.079	< -0.0829	< 0.0025	< 0.0020
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	< 0.003	0.015	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.068	1.341	< 0.0025	< 0.002
	2/16/2016	3.6	150	240	0.79	7.29	290	950	< 0.003	0.014	0.098	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.075	0.952	< 0.0025	< 0.002
	5/25/2016	3.6	120	140	0.83	7.26	260	1000	< 0.003	0.034	0.096	^< 0.001	< 0.0005	< 0.005	< 0.001	0.00055	0.016	< 0.0002	0.065	0.51	< 0.0025	< 0.002
	8/10/2016	4.3	150	120	0.78	7.22	230	970	< 0.003	0.017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.082	0.864	< 0.0025	< 0.002
	10/26/2016	3.0	160	74	0.52	7.30	220	1000	< 0.003	0.022												

Table 1. Groundwater Analytical Data, Pond 2S and Pond 3S, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-11 down-gradient	11/10/2015	2.6	120	89	0.61	7.60	180	620	< 0.003	0.007	0.098	< 0.001	< 0.0005	< 0.005	< 0.001	0.00064	< 0.01	< 0.0002	0.0600	0.736	< 0.0025	< 0.002
	2/16/2016	3.0	100	88	0.68	7.47	170	640	< 0.003	0.0059	0.11	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.078	1.14	< 0.0025	< 0.002
	5/25/2016	2.8	82	98	0.75	7.43	170	640	< 0.003	0.0073	0.093	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.083	0.775	< 0.0025	< 0.002
	8/10/2016	3.1	96	86	0.72	7.57	150	660	< 0.003	0.0072	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.087	0.807	< 0.0025	< 0.002
	10/26/2016	2.5	110	67	0.53	7.82	120	630	< 0.003	0.0082	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	0.00052	< 0.01	< 0.0002	0.043	0.51	< 0.0025	< 0.002
	2/1/2017	3.9	110	72	0.65	7.54	110	600	< 0.003	0.011	0.15	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.076	0.909	< 0.0025	< 0.002
	5/10/2017	3.1	95	84	0.46	8.37	170	590	< 0.003	0.014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.074	1.03	< 0.0025	< 0.002
	6/27/2017	2.8	87	90	0.59	7.57	150	680	< 0.003	0.0058	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.069	0.692	< 0.0025	< 0.002
	9/7/2017	2.8	90	94	0.58	7.40	150	730	< 0.003	0.0074	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.067	0.676	< 0.0025	< 0.002
	11/15/2017	2.9	96	100	0.65	7.41	160	750	< 0.003	0.0082	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.075	1.04	< 0.0025	< 0.002
	5/3/2018	3.8	73	110	0.69	6.74	190	670	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.1	78	110	0.66	7.65	120	680	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.2	86	110	0.49	7.55	120	610	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.5	100	80	0.55	7.26	91	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/26/2020	2.3	89	100	0.54	7.4	90	540	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	4.3	85	140	0.72	7.17	68	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.8	94	130	0.74	7.68	57	660	< 0.003	0.0067	0.16	^1+< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.077	1.29	< 0.0025	< 0.002
	8/26/2021	1.9	110	150	0.39	7.73	100	710	< 0.003	0.0076	0.1	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.011	< 0.0002	0.034	1.29	< 0.0025	< 0.002
	11/23/2021	2.0	130	150	0.48	6.94	94	810	< 0.003	0.0085	0.11	^1+< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.025	2.35	< 0.0025	< 0.002
	12/22/2021 R	NA	NA	150	NA	7.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/23/2022	1.8	130	150	0.38	6.94	91	760	< 0.003	0.013	0.12	^1+< 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.011	< 0.0002	0.031	1.65	< 0.0025	< 0.002
	6/13/2022	2.8	120	140	0.4	7.22	97	700	< 0.003	0.0088	0.17	< 0.001	< 0.0005	< 0.005	0.002	0.0018	0.011	< 0.0002	0.058	1.44	< 0.0025	< 0.002
	8/23/2022	2.5	110	140	0.53	6.94	160	740	< 0.003	0.0082	0.12	< 0.001	^1+< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.033	2.02	< 0.0025	< 0.002
	11/16/2022	3.8	120	130	0.71	7.34	66	700	< 0.003	0.013	0.14	^+< 0.001	< 0.0005	< 0.005	0.002	0.0014	0.01	< 0.0002	0.052	1.61	< 0.0025	< 0.002
	2/21/2023	2.2	120	130	0.45	7.08	81	710	< 0.003	0.016	0.18	< 0.001	< 0.0005	< 0.005	< 0.001	0.00096	< 0.01	< 0.0002	0.037	1.57	< 0.0025	< 0.002
	4/25/2023	2.8	110	130	0.53	7.14	75	730	< 0.0030	0.015	0.18	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.043	< 0.734	< 0.0025	< 0.002
	7/25/2023	2.2	120	120	0.46	7.12	80	740	< 0.0030	0.0077	0.14	< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.031	1.02	< 0.0025	< 0.002
	10/19/2023	3.0	120	120	0.55	7.12	74	770	< 0.0030	0.010	0.16	*+ ^+< 0.0010	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.00020	0.044	1.34	< 0.0025	^1+< 0.002
	2/5/2024	2.4	120	130	0.45	7.12	78	730	^1+< 0.0030	0.025	0.18	^+< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00056	F1< 0.10	< 0.00020	0.029	1.65	< 0.0025	< 0.0020
	5/6/2024	2.9	110	120	0.52	7.37	68	720	< 0.0030	0.032	0.17	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00056	0.010	< 0.00020	0.037	0.817	< 0.0025	< 0.0020
	8/1/2024	3.2	100	120	0.53	7.70	76	790	< 0.0030	0.0075	0.14	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.045	1.55	< 0.0025	< 0.0020
	11/1/2024	3.2	110	130	0.55	7.50	71	760	< 0.0030	0.0073	0.16	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.042	1.43	< 0.0025	< 0.0020
	2/3/2025	2.5	120	130	0.49	7.05	72	710	< 0.0030	0.0073	0.21	^1+< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^5- 0.010	< 0.00020	0.031	1.47	< 0.0025	< 0.0020
MW-12 down-gradient	11/10/2015	2.3	150	160	0.59	7.44	290	1000	< 0.003	0.0016	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.034	0.8139	< 0.0025	< 0.002
	2/16/2016	1.8	130	140	0.52	7.38	220	850	< 0.003	0.0013	0.084	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.031	< 0.407	< 0.0025	< 0.002
	5/25/2016	1.9	130	150	0.54	7.23	250	890	< 0.003	0.0013	0.12	^< 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.014	< 0.0002	0.03	0.41	0.0026	< 0.002
	8/10/2016	2.4	170	140	0.49	7.20	280	1000	< 0.003	0.0017	0.12	< 0.001	< 0.0005	< 0.005	< 0.001	0.0006	0.017	< 0.0002	0.04	< 0.426	0.0077	< 0.002
	10/26/2016	2.6	140	120	0.49	7.44	220	980	< 0.003	0.0016	0.11	< 0.001	< 0.0005	0.025	< 0.001	< 0.0005	0.013	< 0.0002	0.036	< 0.664	< 0.0025	< 0.002
	2/1/2017	2.0	160	120	0.48.																	

Table 2. Groundwater Turbidity - Ponds 25 and 35, Midwest Generation, LLC, Will County Generating Station, Romeoville, IL.

Well ID	Date	Turbidity (NTU)
MW-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
	9/24/2021	3.59
	11/23/2021	4.45
	2/24/2022	0.37
	6/16/2022	1.76
	8/25/2022	2.99
	11/15/2022	38.9
	2/23/2023	2.18
	4/26/2023	1.6
	7/26/2023	7.1
	10/24/2023	0.80
	2/7/2024	0.82
	5/8/2024	6.47
	8/6/2024	0.31
	11/5/2024	1.32
	2/5/2025	52.96
MW-06	2/23/2021	0.31
	4/10/2021	11.17
	4/25/2021	15.04
	5/24/2021	5.18
	6/11/2021	2.96
	6/29/2021	4.06
	7/12/2021	6.43
	8/4/2021	3.5
	8/24/2021	7.0
	9/24/2021	4.2
	11/23/2021	6.38
	2/22/2022	0.47
	6/14/2022	3.87
	8/25/2022	2.6
	11/16/2022	8.12
	2/23/2023	10.08
	4/26/2023	47.6
	7/26/2023	3.7
	10/24/2023	0.80
	2/7/2024	5.24
	5/8/2024	13.11
	8/6/2024	1.49
	11/5/2024	2.79
	2/5/2025	48.71
MW-09	3/1/2021	0.86
	4/10/2021	6.91
	4/25/2021	2.08
	5/25/2021	14.12
	6/11/2021	2.39
	6/29/2021	2.97
	7/12/2021	3.94
	8/4/2021	0.0
	8/25/2021	19.9
	9/24/2021	3.67
	11/23/2021	19.07
	2/22/2022	0.59
	6/15/2022	113.77
	8/25/2022	1.93
	11/16/2022	11.73
	2/23/2023	10.34
	4/27/2023	2.9
	7/26/2023	6.5
	10/24/2023	9.5
	2/7/2024	9.3
	5/8/2024	8.9
	8/5/2024	2.67
	11/4/2024	30.58
	2/4/2025	52.73
MW-10	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	25.45
	8/4/2021	47.68
	8/26/2021	27.5
	9/24/2021	542
	11/23/2021	312.05
	2/24/2022	72.18
	6/14/2022	55.5
	8/25/2022	8.83
	11/16/2022	32.4
	2/23/2023	53.32
	4/26/2023	85.3
	7/26/2023	1.4
	10/24/2023	5.4
	2/7/2024	75.44
	5/8/2024	31.63
	8/5/2024	3.98
	11/4/2024	9.83
	2/4/2025	54.76

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

Well ID	Date	Turbidity (NTU)
MW-11	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
	11/23/2021	1.85
	2/23/2022	162.43
	6/13/2022	27.05
	8/25/2022	10.9
	11/16/2022	60.3
	2/21/2023	51.3
	4/25/2023	56.6
	7/25/2023	1.0
	10/19/2023	3.90
	2/5/2024	39.20
	5/6/2024	42.41
	8/1/2024	13.58
	11/1/2024	4.02
	2/3/2025	63.33
MW-12	4/10/2021	31.67
	4/25/2021	15.04
	5/25/2021	28.65
	6/11/2021	6.1
	6/29/2021	13.04
	7/12/2021	12.99
	8/4/2021	11.97
	8/26/2021	10.9
	9/24/2021	11.97
	11/23/2021	3.88
	2/24/2022	82.8
	6/13/2022	4.24
	8/23/2022	7.35
	11/16/2022	2.85
	2/21/2023	1.82
	4/25/2023	2.1
	7/25/2023	6.8
	10/19/2023	3.00
	2/5/2024	2.96
	5/6/2024	8.31
	8/1/2024	4.12
	11/1/2024	1.61
	2/3/2025	26.73

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/18/2025 3:39:04 PM

JOB DESCRIPTION

Will County CCR

JOB NUMBER

500-263510-1

Eurofins Chicago

Job Notes

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Authorization



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Case Narrative

Client: Midwest Generation EME LLC
Project: Will County CCR

Job ID: 500-263510-1

Job ID: 500-263510-1

Eurofins Chicago

Job Narrative 500-263510-1

Receipt

The samples were received on 02/04/25 16:30. 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 -0.8° C, -0.7° C, 0.8° C and 2.7° C.

Metals

Method 6020B: The linear range check (LRC) recovered outside of control limits for Lithium. Sample results are within the high calibration standard and have been qualified and reported. (LRC 500-805543/14)

Method 6020B: The initial low level calibration verification (ICVL) result for batch 500-805543 was above the upper control limit. The affected analyte is: Beryllium. Sample results were non-detects, and have been reported as qualified data.

Method 6020B: The low level check standard recovery associated with batch 500-806557 is outside the acceptance criteria for the following analyte: Beryllium. This standard was high in the ICVL and not detected in the associated samples. The data has been qualified and reported.

Method 6020B: The linear range check standard for batch 806557 recovered low for Be. The high standard read back was within control limits. Sample results were below the high standard and have qualified and reported. MW-05 (500-263510-8)

Method 6020B: The linear range check standard for AD batch 806880 was slightly below the 90-110% control limits for B (89%). Associated samples have been analyzed in multiple runs with corresponding results. The data have been qualified and reported. (LRC 500-806880/21)

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

General Chemistry

Method 300.0: Due to the high concentration of Sulfate, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 500-805765 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Eurofins Chicago

Method Summary

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

Job ID: 500-263510-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

Sample Summary

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

Job ID: 500-263510-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-263510-1	MW-09	Water	02/04/25 09:10	02/04/25 16:30
500-263510-2	MW-10	Water	02/04/25 14:55	02/04/25 16:30
500-263510-3	MW-11	Water	02/03/25 14:23	02/04/25 16:30
500-263510-4	MW-12	Water	02/03/25 10:46	02/04/25 16:30
500-263510-5	2S/3S Duplicate	Water	02/03/25 00:00	02/04/25 16:30
500-263510-6	MW-16	Water	02/03/25 13:26	02/04/25 16:30
500-263510-7	MW-17	Water	02/03/25 11:55	02/04/25 16:30
500-263510-8	MW-05	Water	02/05/25 10:19	02/06/25 09:18
500-263510-9	MW-06	Water	02/05/25 09:20	02/06/25 09:18

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-09

Lab Sample ID: 500-263510-1

Date Collected: 02/04/25 09:10

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0093		0.0010		mg/L		02/05/25 14:45	02/06/25 11:57	1
Boron	1.7		0.050		mg/L		02/05/25 14:45	02/06/25 11:57	1
Barium	0.039		0.0025		mg/L		02/05/25 14:45	02/06/25 11:57	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:57	1
Calcium	41		0.20		mg/L		02/05/25 14:45	02/06/25 11:57	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:57	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:57	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:57	1
Molybdenum	0.079		0.0050		mg/L		02/05/25 14:45	02/06/25 11:57	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:57	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:57	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:57	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:57	1
Lithium	<0.010	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	210		10		mg/L			02/08/25 20:09	10
Sulfate (EPA 300.0)	250		10		mg/L			02/08/25 20:09	10
Total Dissolved Solids (SM 2540C)	800		10		mg/L			02/05/25 03:23	1
Fluoride (SM 4500 F C)	0.53		0.10		mg/L			02/06/25 14:37	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-10

Lab Sample ID: 500-263510-2

Date Collected: 02/04/25 14:55

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014		0.0010		mg/L		02/05/25 14:45	02/06/25 12:00	1
Boron	3.2		0.050		mg/L		02/05/25 14:45	02/06/25 12:00	1
Barium	0.14		0.0025		mg/L		02/05/25 14:45	02/06/25 12:00	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:00	1
Calcium	170		0.20		mg/L		02/05/25 14:45	02/06/25 12:00	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:00	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 12:00	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:00	1
Molybdenum	0.045		0.0050		mg/L		02/05/25 14:45	02/06/25 12:00	1
Lead	0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:00	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:00	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 12:00	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:00	1
Lithium	0.018	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:00	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		10		mg/L			02/08/25 20:24	10
Sulfate (EPA 300.0)	230		10		mg/L			02/08/25 20:24	10
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			02/05/25 03:25	1
Fluoride (SM 4500 F C)	0.62		0.10		mg/L			02/06/25 14:41	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-11

Lab Sample ID: 500-263510-3

Date Collected: 02/03/25 14:23

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.013		0.0010		mg/L		02/05/25 14:45	02/06/25 12:02	1
Boron	2.5		0.050		mg/L		02/05/25 14:45	02/06/25 12:02	1
Barium	0.21		0.0025		mg/L		02/05/25 14:45	02/06/25 12:02	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:02	1
Calcium	120		0.20		mg/L		02/05/25 14:45	02/06/25 12:02	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:02	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 12:02	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:02	1
Molybdenum	0.031		0.0050		mg/L		02/05/25 14:45	02/06/25 12:02	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:02	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:02	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 12:02	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:02	1
Lithium	0.010	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:02	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		10		mg/L			02/08/25 20:39	10
Sulfate (EPA 300.0)	72		10		mg/L			02/08/25 20:39	10
Total Dissolved Solids (SM 2540C)	710		10		mg/L			02/07/25 04:09	1
Fluoride (SM 4500 F C)	0.49		0.10		mg/L			02/06/25 14:46	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-12

Lab Sample ID: 500-263510-4

Date Collected: 02/03/25 10:46

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0012		0.0010		mg/L		02/05/25 14:45	02/06/25 12:05	1
Boron	2.1		0.050		mg/L		02/05/25 14:45	02/06/25 12:05	1
Barium	0.15		0.0025		mg/L		02/05/25 14:45	02/06/25 12:05	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:05	1
Calcium	180		0.20		mg/L		02/05/25 14:45	02/06/25 12:05	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:05	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 12:05	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:05	1
Molybdenum	0.021		0.0050		mg/L		02/05/25 14:45	02/06/25 12:05	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:05	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:05	1
Selenium	0.011		0.0025		mg/L		02/05/25 14:45	02/06/25 12:05	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:05	1
Lithium	0.015	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:05	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	140		10		mg/L			02/08/25 20:54	10
Sulfate (EPA 300.0)	170		10		mg/L			02/08/25 20:54	10
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			02/07/25 04:12	1
Fluoride (SM 4500 F C)	0.41		0.10		mg/L			02/07/25 13:06	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-263510-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0060		0.0010		mg/L		02/05/25 14:45	02/06/25 12:07	1
Boron	2.7		0.050		mg/L		02/05/25 14:45	02/06/25 12:07	1
Barium	0.072		0.0025		mg/L		02/05/25 14:45	02/06/25 12:07	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:07	1
Calcium	88		0.20		mg/L		02/05/25 14:45	02/06/25 12:07	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:07	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 12:07	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:07	1
Molybdenum	0.10		0.0050		mg/L		02/05/25 14:45	02/06/25 12:07	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:07	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:07	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 12:07	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:07	1
Lithium	0.018	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:07	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	120		5.0		mg/L			02/09/25 00:44	5
Sulfate (EPA 300.0)	320		5.0		mg/L			02/09/25 00:44	5
Total Dissolved Solids (SM 2540C)	830		10		mg/L			02/07/25 04:14	1
Fluoride (SM 4500 F C)	0.56		0.10		mg/L			02/07/25 13:11	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-16

Lab Sample ID: 500-263510-6

Date Collected: 02/03/25 13:26

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0025		0.0010		mg/L		02/05/25 14:45	02/06/25 12:10	1
Boron	0.89		0.050		mg/L		02/05/25 14:45	02/06/25 12:10	1
Barium	0.11		0.0025		mg/L		02/05/25 14:45	02/06/25 12:10	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:10	1
Calcium	170		0.20		mg/L		02/05/25 14:45	02/06/25 12:10	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:10	1
Cobalt	0.0029		0.0010		mg/L		02/05/25 14:45	02/06/25 12:10	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:10	1
Molybdenum	0.0073		0.0050		mg/L		02/05/25 14:45	02/06/25 12:10	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:10	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:10	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 12:10	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:10	1
Lithium	0.012	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:10	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	180		5.0		mg/L			02/09/25 01:30	5
Sulfate (EPA 300.0)	220		5.0		mg/L			02/09/25 01:30	5
Total Dissolved Solids (SM 2540C)	1000		10		mg/L			02/07/25 04:17	1
Fluoride (SM 4500 F C)	0.38		0.10		mg/L			02/07/25 13:25	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-17

Lab Sample ID: 500-263510-7

Date Collected: 02/03/25 11:55

Matrix: Water

Date Received: 02/04/25 16:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0057		0.0010		mg/L		02/05/25 14:45	02/06/25 12:12	1
Boron	2.6		0.050		mg/L		02/05/25 14:45	02/06/25 12:12	1
Barium	0.070		0.0025		mg/L		02/05/25 14:45	02/06/25 12:12	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 12:12	1
Calcium	84		0.20		mg/L		02/05/25 14:45	02/06/25 12:12	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:12	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 12:12	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 12:12	1
Molybdenum	0.10		0.0050		mg/L		02/05/25 14:45	02/06/25 12:12	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 12:12	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 12:12	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 12:12	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 12:12	1
Lithium	0.018	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 12:12	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	130		10		mg/L			02/09/25 01:45	10
Sulfate (EPA 300.0)	330		10		mg/L			02/09/25 01:45	10
Total Dissolved Solids (SM 2540C)	810		10		mg/L			02/07/25 04:20	1
Fluoride (SM 4500 F C)	0.55		0.10		mg/L			02/07/25 13:30	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-05

Lab Sample ID: 500-263510-8

Date Collected: 02/05/25 10:19

Matrix: Water

Date Received: 02/06/25 09:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0011		0.0010		mg/L		02/11/25 09:31	02/13/25 21:24	1
Boron	4.3	^5-	0.050		mg/L		02/11/25 09:31	02/18/25 13:01	1
Barium	0.039		0.0025		mg/L		02/11/25 09:31	02/13/25 21:24	1
Beryllium	<0.0010	^5- ^1+	0.0010		mg/L		02/11/25 09:31	02/13/25 21:24	1
Calcium	97		0.20		mg/L		02/11/25 09:31	02/13/25 21:24	1
Cadmium	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 21:24	1
Cobalt	<0.0010		0.0010		mg/L		02/11/25 09:31	02/13/25 21:24	1
Chromium	<0.0050		0.0050		mg/L		02/11/25 09:31	02/13/25 21:24	1
Molybdenum	0.056		0.0050		mg/L		02/11/25 09:31	02/13/25 21:24	1
Lead	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 21:24	1
Antimony	<0.0030		0.0030		mg/L		02/11/25 09:31	02/13/25 21:24	1
Selenium	0.016		0.0025		mg/L		02/11/25 09:31	02/13/25 21:24	1
Thallium	<0.0020		0.0020		mg/L		02/11/25 09:31	02/13/25 21:24	1
Lithium	0.012	^5-	0.010		mg/L		02/11/25 09:31	02/14/25 15:48	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	17		1.0		mg/L			02/09/25 02:01	1
Sulfate (EPA 300.0)	290		10		mg/L			02/11/25 14:15	10
Total Dissolved Solids (SM 2540C)	760		10		mg/L			02/10/25 23:22	1
Fluoride (SM 4500 F C)	0.46		0.10		mg/L			02/07/25 13:53	1

Client Sample Results

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

Job ID: 500-263510-1

Client Sample ID: MW-06

Lab Sample ID: 500-263510-9

Date Collected: 02/05/25 09:20

Matrix: Water

Date Received: 02/06/25 09:18

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0013		0.0010		mg/L		02/11/25 09:31	02/13/25 21:27	1
Boron	2.2	^5-	0.050		mg/L		02/11/25 09:31	02/18/25 13:04	1
Barium	0.085		0.0025		mg/L		02/11/25 09:31	02/13/25 21:27	1
Beryllium	<0.0010	^5- ^1+	0.0010		mg/L		02/11/25 09:31	02/13/25 21:27	1
Calcium	110		0.20		mg/L		02/11/25 09:31	02/13/25 21:27	1
Cadmium	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 21:27	1
Cobalt	<0.0010		0.0010		mg/L		02/11/25 09:31	02/13/25 21:27	1
Chromium	<0.0050		0.0050		mg/L		02/11/25 09:31	02/13/25 21:27	1
Molybdenum	0.024		0.0050		mg/L		02/11/25 09:31	02/13/25 21:27	1
Lead	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 21:27	1
Antimony	<0.0030		0.0030		mg/L		02/11/25 09:31	02/13/25 21:27	1
Selenium	0.027		0.0025		mg/L		02/11/25 09:31	02/13/25 21:27	1
Thallium	<0.0020		0.0020		mg/L		02/11/25 09:31	02/13/25 21:27	1
Lithium	0.014	^5-	0.010		mg/L		02/11/25 09:31	02/14/25 15:51	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	12		1.0		mg/L			02/09/25 02:16	1
Sulfate (EPA 300.0)	170		1.0		mg/L			02/09/25 02:16	1
Total Dissolved Solids (SM 2540C)	710		10		mg/L			02/10/25 23:24	1
Fluoride (SM 4500 F C)	0.32		0.10		mg/L			02/07/25 13:58	1

Definitions/Glossary

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

Job ID: 500-263510-1

Qualifiers

Metals

Qualifier	Qualifier Description
^1+	Initial Calibration Verification (ICV) is outside acceptance limits, high biased.
^5-	Linear Range Check (LRC) is outside acceptance limits, low 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.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

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

Job ID: 500-263510-1

Metals

Prep Batch: 805432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total Recoverable	Water	3005A	
500-263510-2	MW-10	Total Recoverable	Water	3005A	
500-263510-3	MW-11	Total Recoverable	Water	3005A	
500-263510-4	MW-12	Total Recoverable	Water	3005A	
500-263510-5	2S/3S Duplicate	Total Recoverable	Water	3005A	
500-263510-6	MW-16	Total Recoverable	Water	3005A	
500-263510-7	MW-17	Total Recoverable	Water	3005A	
MB 500-805432/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-805432/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 805543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total Recoverable	Water	6020B	805432
500-263510-2	MW-10	Total Recoverable	Water	6020B	805432
500-263510-3	MW-11	Total Recoverable	Water	6020B	805432
500-263510-4	MW-12	Total Recoverable	Water	6020B	805432
500-263510-5	2S/3S Duplicate	Total Recoverable	Water	6020B	805432
500-263510-6	MW-16	Total Recoverable	Water	6020B	805432
500-263510-7	MW-17	Total Recoverable	Water	6020B	805432
MB 500-805432/1-A	Method Blank	Total Recoverable	Water	6020B	805432
LCS 500-805432/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805432

Prep Batch: 805559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	7470A	
500-263510-2	MW-10	Total/NA	Water	7470A	
500-263510-3	MW-11	Total/NA	Water	7470A	
500-263510-4	MW-12	Total/NA	Water	7470A	
500-263510-5	2S/3S Duplicate	Total/NA	Water	7470A	
500-263510-6	MW-16	Total/NA	Water	7470A	
500-263510-7	MW-17	Total/NA	Water	7470A	
500-263510-8	MW-05	Total/NA	Water	7470A	
500-263510-9	MW-06	Total/NA	Water	7470A	
MB 500-805559/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-805559/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-263510-3 MS	MW-11	Total/NA	Water	7470A	
500-263510-3 MSD	MW-11	Total/NA	Water	7470A	
500-263510-3 DU	MW-11	Total/NA	Water	7470A	

Analysis Batch: 805957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	7470A	805559
500-263510-2	MW-10	Total/NA	Water	7470A	805559
500-263510-3	MW-11	Total/NA	Water	7470A	805559
500-263510-4	MW-12	Total/NA	Water	7470A	805559
500-263510-5	2S/3S Duplicate	Total/NA	Water	7470A	805559
500-263510-6	MW-16	Total/NA	Water	7470A	805559
500-263510-7	MW-17	Total/NA	Water	7470A	805559
500-263510-8	MW-05	Total/NA	Water	7470A	805559
500-263510-9	MW-06	Total/NA	Water	7470A	805559
MB 500-805559/12-A	Method Blank	Total/NA	Water	7470A	805559

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QC Association Summary

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

Job ID: 500-263510-1

Metals (Continued)

Analysis Batch: 805957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-805559/13-A	Lab Control Sample	Total/NA	Water	7470A	805559
500-263510-3 MS	MW-11	Total/NA	Water	7470A	805559
500-263510-3 MSD	MW-11	Total/NA	Water	7470A	805559
500-263510-3 DU	MW-11	Total/NA	Water	7470A	805559

Prep Batch: 806078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total Recoverable	Water	3005A	
500-263510-9	MW-06	Total Recoverable	Water	3005A	
MB 500-806078/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-806078/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 806557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total Recoverable	Water	6020B	806078
500-263510-9	MW-06	Total Recoverable	Water	6020B	806078
MB 500-806078/1-A	Method Blank	Total Recoverable	Water	6020B	806078
LCS 500-806078/2-A	Lab Control Sample	Total Recoverable	Water	6020B	806078

Analysis Batch: 806703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total Recoverable	Water	6020B	806078
500-263510-9	MW-06	Total Recoverable	Water	6020B	806078
MB 500-806078/1-A	Method Blank	Total Recoverable	Water	6020B	806078
LCS 500-806078/2-A	Lab Control Sample	Total Recoverable	Water	6020B	806078

Analysis Batch: 806806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-806078/1-A	Method Blank	Total Recoverable	Water	6020B	806078
LCS 500-806078/2-A	Lab Control Sample	Total Recoverable	Water	6020B	806078

Analysis Batch: 806880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total Recoverable	Water	6020B	806078
500-263510-9	MW-06	Total Recoverable	Water	6020B	806078

General Chemistry

Analysis Batch: 805289

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	SM 2540C	
500-263510-2	MW-10	Total/NA	Water	SM 2540C	
MB 500-805289/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-805289/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 805571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-3	MW-11	Total/NA	Water	SM 2540C	
500-263510-4	MW-12	Total/NA	Water	SM 2540C	
500-263510-5	2S/3S Duplicate	Total/NA	Water	SM 2540C	
500-263510-6	MW-16	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-263510-1

General Chemistry (Continued)

Analysis Batch: 805571 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-7	MW-17	Total/NA	Water	SM 2540C	
MB 500-805571/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-805571/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 805605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	SM 4500 F C	
500-263510-2	MW-10	Total/NA	Water	SM 4500 F C	
500-263510-3	MW-11	Total/NA	Water	SM 4500 F C	
MB 500-805605/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-805605/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 805714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-4	MW-12	Total/NA	Water	SM 4500 F C	
500-263510-5	2S/3S Duplicate	Total/NA	Water	SM 4500 F C	
500-263510-6	MW-16	Total/NA	Water	SM 4500 F C	
500-263510-7	MW-17	Total/NA	Water	SM 4500 F C	
500-263510-8	MW-05	Total/NA	Water	SM 4500 F C	
500-263510-9	MW-06	Total/NA	Water	SM 4500 F C	
MB 500-805714/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-805714/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-805714/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-805714/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-263510-7 MS	MW-17	Total/NA	Water	SM 4500 F C	
500-263510-7 MSD	MW-17	Total/NA	Water	SM 4500 F C	

Analysis Batch: 805763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	300.0	
500-263510-2	MW-10	Total/NA	Water	300.0	
500-263510-3	MW-11	Total/NA	Water	300.0	
500-263510-4	MW-12	Total/NA	Water	300.0	
MB 500-805763/3	Method Blank	Total/NA	Water	300.0	
LCS 500-805763/4	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 805765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-5	2S/3S Duplicate	Total/NA	Water	300.0	
500-263510-6	MW-16	Total/NA	Water	300.0	
500-263510-7	MW-17	Total/NA	Water	300.0	
500-263510-8	MW-05	Total/NA	Water	300.0	
500-263510-9	MW-06	Total/NA	Water	300.0	
MB 500-805765/3	Method Blank	Total/NA	Water	300.0	
LCS 500-805765/4	Lab Control Sample	Total/NA	Water	300.0	
500-263510-5 MS	2S/3S Duplicate	Total/NA	Water	300.0	
500-263510-5 MSD	2S/3S Duplicate	Total/NA	Water	300.0	

Analysis Batch: 806006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 500-263510-1

General Chemistry (Continued)

Analysis Batch: 806006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-9	MW-06	Total/NA	Water	SM 2540C	
MB 500-806006/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-806006/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 806052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-8	MW-05	Total/NA	Water	300.0	
MB 500-806052/3	Method Blank	Total/NA	Water	300.0	
LCS 500-806052/4	Lab Control Sample	Total/NA	Water	300.0	

QC Sample Results

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

Job ID: 500-263510-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-805432/1-A

Matrix: Water

Analysis Batch: 805543

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 805432

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Boron	<0.050		0.050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Barium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:19	1
Beryllium	<0.0010	^1+	0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Calcium	<0.20		0.20		mg/L		02/05/25 14:45	02/06/25 11:19	1
Cadmium	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Cobalt	<0.0010		0.0010		mg/L		02/05/25 14:45	02/06/25 11:19	1
Chromium	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Molybdenum	<0.0050		0.0050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Lead	<0.00050		0.00050		mg/L		02/05/25 14:45	02/06/25 11:19	1
Antimony	<0.0030		0.0030		mg/L		02/05/25 14:45	02/06/25 11:19	1
Selenium	<0.0025		0.0025		mg/L		02/05/25 14:45	02/06/25 11:19	1
Thallium	<0.0020		0.0020		mg/L		02/05/25 14:45	02/06/25 11:19	1
Lithium	<0.010	^5-	0.010		mg/L		02/05/25 14:45	02/06/25 11:19	1

Lab Sample ID: LCS 500-805432/2-A

Matrix: Water

Analysis Batch: 805543

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 805432

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0970		mg/L		97	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120
Barium	0.500	0.503		mg/L		101	80 - 120
Beryllium	0.0500	0.0515	^1+	mg/L		103	80 - 120
Calcium	10.0	9.17		mg/L		92	80 - 120
Cadmium	0.0500	0.0512		mg/L		102	80 - 120
Cobalt	0.500	0.523		mg/L		105	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Molybdenum	1.00	0.973		mg/L		97	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Antimony	0.500	0.515		mg/L		103	80 - 120
Selenium	0.100	0.0998		mg/L		100	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120
Lithium	0.100	0.102	^5-	mg/L		102	80 - 120

Lab Sample ID: MB 500-806078/1-A

Matrix: Water

Analysis Batch: 806557

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 806078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		02/11/25 09:31	02/13/25 18:49	1
Calcium	<0.20		0.20		mg/L		02/11/25 09:31	02/13/25 18:49	1
Cadmium	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 18:49	1
Cobalt	<0.0010		0.0010		mg/L		02/11/25 09:31	02/13/25 18:49	1
Chromium	<0.0050		0.0050		mg/L		02/11/25 09:31	02/13/25 18:49	1
Molybdenum	<0.0050		0.0050		mg/L		02/11/25 09:31	02/13/25 18:49	1
Lead	<0.00050		0.00050		mg/L		02/11/25 09:31	02/13/25 18:49	1
Antimony	<0.0030		0.0030		mg/L		02/11/25 09:31	02/13/25 18:49	1
Thallium	<0.0020		0.0020		mg/L		02/11/25 09:31	02/13/25 18:49	1

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QC Sample Results

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

Job ID: 500-263510-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-806078/1-A
Matrix: Water
Analysis Batch: 806703

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 806078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.0025		0.0025		mg/L		02/11/25 09:31	02/14/25 15:41	1
Lithium	<0.010		0.010		mg/L		02/11/25 09:31	02/14/25 15:41	1

Lab Sample ID: MB 500-806078/1-A
Matrix: Water
Analysis Batch: 806806

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 806078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		02/11/25 09:31	02/17/25 14:22	1
Beryllium	<0.0010		0.0010		mg/L		02/11/25 09:31	02/17/25 14:22	1
Selenium	<0.0025		0.0025		mg/L		02/11/25 09:31	02/17/25 14:22	1

Lab Sample ID: LCS 500-806078/2-A
Matrix: Water
Analysis Batch: 806557

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 806078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0957		mg/L		96	80 - 120
Calcium	10.0	8.00		mg/L		80	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Cobalt	0.500	0.495		mg/L		99	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Molybdenum	1.00	0.930		mg/L		93	80 - 120
Lead	0.100	0.100		mg/L		100	80 - 120
Antimony	0.500	0.503		mg/L		101	80 - 120
Thallium	0.100	0.0986		mg/L		99	80 - 120

Lab Sample ID: LCS 500-806078/2-A
Matrix: Water
Analysis Batch: 806703

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 806078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	0.500	0.516		mg/L		103	80 - 120
Lithium	0.100	0.0933		mg/L		93	80 - 120

Lab Sample ID: LCS 500-806078/2-A
Matrix: Water
Analysis Batch: 806806

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 806078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	0.962		mg/L		96	80 - 120
Beryllium	0.0500	0.0490		mg/L		98	80 - 120
Selenium	0.100	0.0940		mg/L		94	80 - 120

QC Sample Results

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

Job ID: 500-263510-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-805559/12-A
Matrix: Water
Analysis Batch: 805957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 805559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/06/25 16:00	02/10/25 11:20	1

Lab Sample ID: LCS 500-805559/13-A
Matrix: Water
Analysis Batch: 805957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 805559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00200	0.00192		mg/L		96	80 - 120

Lab Sample ID: 500-263510-3 MS
Matrix: Water
Analysis Batch: 805957

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 805559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.00020		0.000999	0.000874		mg/L		87	75 - 125

Lab Sample ID: 500-263510-3 MSD
Matrix: Water
Analysis Batch: 805957

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 805559

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000895		mg/L		90	75 - 125	2	20

Lab Sample ID: 500-263510-3 DU
Matrix: Water
Analysis Batch: 805957

Client Sample ID: MW-11
Prep Type: Total/NA
Prep Batch: 805559

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-805763/3
Matrix: Water
Analysis Batch: 805763

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			02/08/25 15:33	1
Sulfate	<1.0		1.0		mg/L			02/08/25 15:33	1

Lab Sample ID: LCS 500-805763/4
Matrix: Water
Analysis Batch: 805763

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	98.8		mg/L		99	90 - 110
Sulfate	100	102		mg/L		102	90 - 110

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QC Sample Results

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

Job ID: 500-263510-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 500-805765/3

Matrix: Water

Analysis Batch: 805765

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<1.0		1.0		mg/L			02/09/25 00:13	1
Sulfate	<1.0		1.0		mg/L			02/09/25 00:13	1

Lab Sample ID: LCS 500-805765/4

Matrix: Water

Analysis Batch: 805765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	102		mg/L		102	90 - 110
Sulfate	100	106		mg/L		106	90 - 110

Lab Sample ID: 500-263510-5 MS

Matrix: Water

Analysis Batch: 805765

Client Sample ID: 2S/3S Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		50.0	176		mg/L		107	80 - 120
Sulfate	320		50.0	377	4	mg/L		122	80 - 120

Lab Sample ID: 500-263510-5 MSD

Matrix: Water

Analysis Batch: 805765

Client Sample ID: 2S/3S Duplicate

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		50.0	173		mg/L		100	80 - 120	2	20
Sulfate	320		50.0	369	4	mg/L		106	80 - 120	2	20

Lab Sample ID: MB 500-806052/3

Matrix: Water

Analysis Batch: 806052

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<1.0		1.0		mg/L			02/11/25 10:57	1

Lab Sample ID: LCS 500-806052/4

Matrix: Water

Analysis Batch: 806052

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	100	104		mg/L		104	90 - 110

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

Lab Sample ID: MB 500-805289/1

Matrix: Water

Analysis Batch: 805289

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			02/05/25 02:29	1

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QC Sample Results

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

Job ID: 500-263510-1

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

Lab Sample ID: LCS 500-805289/2
Matrix: Water
Analysis Batch: 805289

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	252		mg/L		101	80 - 120

Lab Sample ID: MB 500-805571/1
Matrix: Water
Analysis Batch: 805571

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			02/07/25 03:49	1

Lab Sample ID: LCS 500-805571/2
Matrix: Water
Analysis Batch: 805571

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	270		mg/L		108	80 - 120

Lab Sample ID: MB 500-806006/1
Matrix: Water
Analysis Batch: 806006

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			02/10/25 22:41	1

Lab Sample ID: LCS 500-806006/2
Matrix: Water
Analysis Batch: 806006

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	252		mg/L		101	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-805605/3
Matrix: Water
Analysis Batch: 805605

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			02/06/25 12:41	1

Lab Sample ID: LCS 500-805605/4
Matrix: Water
Analysis Batch: 805605

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	10.0	9.87		mg/L		99	90 - 119

Eurofins Chicago

QC Sample Results

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

Job ID: 500-263510-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-805714/3
Matrix: Water
Analysis Batch: 805714

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			02/07/25 11:08	1

Lab Sample ID: MB 500-805714/31
Matrix: Water
Analysis Batch: 805714

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			02/07/25 13:15	1

Lab Sample ID: LCS 500-805714/32
Matrix: Water
Analysis Batch: 805714

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

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

Lab Sample ID: LCS 500-805714/4
Matrix: Water
Analysis Batch: 805714

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

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

Lab Sample ID: 500-263510-7 MS
Matrix: Water
Analysis Batch: 805714

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.55		5.00	5.75		mg/L		104	75 - 125

Lab Sample ID: 500-263510-7 MSD
Matrix: Water
Analysis Batch: 805714

Client Sample ID: MW-17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.55		5.00	5.75		mg/L		104	75 - 125	0	20

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Tim Stohner</u>		Lab PM: Mockler, Diana J							
Client Contact: Mr Tim Stohner		Phone: <u>630-290-6850</u>		E-Mail: Diana.Mockler@et.eurofinsus.com							
Company: KPRG and Associates, Inc		PWSID:		500-263510 COC							
Address: 414 Plaza Drive Suite 106		Due Date Requested:		Analysis R							
City: Westmont		TAT Requested (days):		Preservation Codes:							
State Zip: IL, 60559		Compliance Project. ☐ Yes ☐ No		D HNO3							
Phone:		PO #: 4502187743		N None							
Email: tims@kprginc.com		WO #:		Job #: <u>500-263510</u>							
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring <u>CCR</u>		Project #: 50011609		Other:							
Site: Illinois		SSOW#:		Total Number of containers							
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)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_CL_E, SM4500_SO4_E	Special Instructions/Note:
				Preservation Code:							
MW-05					Water						
MW-06					Water						
1 MW-09		2-4-25	09:10	G	Water	N	N	X	X	X	5
2 MW-10		2-4-25	14:55	G	Water	N	N	X	X	X	5
3 MW-11		2-3-25	14:23	G	Water	N	N	X	X	X	5
4 MW-12		2-3-25	10:46	G	Water	N	N	X	X	X	5
5 2S/3S Duplicate		2-3-25		G	Water	N	N	X	X	X	5
6 MW-16		2-3-25	13:26	G	Water	N	N	X	X	X	5
7 MW-17		2-3-25	11:55	G	Water	N	N	X	X	X	5
Possible Hazard Identification											
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
☐ Return To Client ☐ Disposal By Lab ☐ 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>2-4-25 16:30</u>		Company: <u>KPRG</u>		Received by: <u>[Signature]</u>		Date/Time: <u>2/4/25 1630</u>		Company: <u>EBT</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>11-20.8, 23-22.7, 24-20.7</u>							

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Jan John Holkeon</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-126447-48726 1				
Client Contact: Mr Tim Stohner		Phone: <u>630 290 6850</u>		E-Mail: Diana Mockler@et.eurofins.com		State of Origin:		Page 1 of 1				
Company: KPRG and Associates, Inc.		PWSID:		Analysis Requested								
Address: 414 Plaza Drive Suite 106		Due Date Requested:		Field Filtered Sample (Yes or No) <table border="1"><tr><td>903.0, 904.0</td><td>6010C, 6020A, 7470A</td><td>2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E</td></tr></table> Total Number of Containers						903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E
903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E										
City: Westmont		TAT Requested (days):										
State, Zip: IL, 60559		Compliance Project: ☐ Yes ☐ No										
Phone:		PO #: 4502116506										
Email: tims@kprginc.com		WO #:										
Project Name: Will County 2S/3S Event Desc Quarterly GW Monitoring <u>CCR</u>		Project #: 50011809		Preservation Codes: D - HNO3 N - None								
Site: Illinois		SSOW#:										
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Special Instructions/Note:						
MW-05	2-5-25	10:19	G	Water	XX	D	B	N				
MW-06	2-5-25	09:20	G	Water	NN	X	X	X				
MW-09	—	—	—	Water								
MW-10	—	—	—	Water								
MW-11	—	—	—	Water								
MW-12	—	—	—	Water								
2S/3S Duplicate	—	—	—	Water								
MW-16	—	—	—	Water								
MW-17	—	—	—	Water								
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months								
Empty Kit Relinquished by:		Date		Time		Method of Shipment:						
Relinquished by: <u>[Signature]</u>		Date/Time: <u>2-6-25 09:18</u>		Company: <u>KPRG</u>		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>2/6/25 09:18</u>				
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:				
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:				
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>0.5 → 0.8</u>								

[illegible]

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-263510-1

Login Number: 263510

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8,2.7,-0.7 Samples not frozen,-0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-263510-1

Client Sample ID: MW-09

Date Collected: 02/04/25 09:10

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 11:57
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:28
Total/NA	Analysis	300.0		10	805763	MM	EET CHI	02/08/25 20:09
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:23
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 14:37

Client Sample ID: MW-10

Date Collected: 02/04/25 14:55

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:00
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:31
Total/NA	Analysis	300.0		10	805763	MM	EET CHI	02/08/25 20:24
Total/NA	Analysis	SM 2540C		1	805289	CLB	EET CHI	02/05/25 03:25
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 14:41

Client Sample ID: MW-11

Date Collected: 02/03/25 14:23

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:02
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:37
Total/NA	Analysis	300.0		10	805763	MM	EET CHI	02/08/25 20:39
Total/NA	Analysis	SM 2540C		1	805571	CLB	EET CHI	02/07/25 04:09
Total/NA	Analysis	SM 4500 F C		1	805605	SO	EET CHI	02/06/25 14:46

Client Sample ID: MW-12

Date Collected: 02/03/25 10:46

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:05
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:46
Total/NA	Analysis	300.0		10	805763	MM	EET CHI	02/08/25 20:54

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-263510-1

Client Sample ID: MW-12

Date Collected: 02/03/25 10:46

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 2540C		1	805571	CLB	EET CHI	02/07/25 04:12
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:06

Client Sample ID: 2S/3S Duplicate

Date Collected: 02/03/25 00:00

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:07
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:48
Total/NA	Analysis	300.0		5	805765	MM	EET CHI	02/09/25 00:44
Total/NA	Analysis	SM 2540C		1	805571	CLB	EET CHI	02/07/25 04:14
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:11

Client Sample ID: MW-16

Date Collected: 02/03/25 13:26

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:10
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:51
Total/NA	Analysis	300.0		5	805765	MM	EET CHI	02/09/25 01:30
Total/NA	Analysis	SM 2540C		1	805571	CLB	EET CHI	02/07/25 04:17
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:25

Client Sample ID: MW-17

Date Collected: 02/03/25 11:55

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			805432	S1Z	EET CHI	02/05/25 14:45 - 02/05/25 20:45 ¹
Total Recoverable	Analysis	6020B		1	805543	RN	EET CHI	02/06/25 12:12
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:53
Total/NA	Analysis	300.0		10	805765	MM	EET CHI	02/09/25 01:45
Total/NA	Analysis	SM 2540C		1	805571	CLB	EET CHI	02/07/25 04:20
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:30

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-263510-1

Client Sample ID: MW-05

Date Collected: 02/05/25 10:19

Date Received: 02/06/25 09:18

Lab Sample ID: 500-263510-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806557	S1Z	EET CHI	02/13/25 21:24
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806703	S1Z	EET CHI	02/14/25 15:48
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806880	S1Z	EET CHI	02/18/25 13:01
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:55
Total/NA	Analysis	300.0		1	805765	MM	EET CHI	02/09/25 02:01
Total/NA	Analysis	300.0		10	806052	MM	EET CHI	02/11/25 14:15
Total/NA	Analysis	SM 2540C		1	806006	CLB	EET CHI	02/10/25 23:22
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:53

Client Sample ID: MW-06

Date Collected: 02/05/25 09:20

Date Received: 02/06/25 09:18

Lab Sample ID: 500-263510-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806557	S1Z	EET CHI	02/13/25 21:27
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806703	S1Z	EET CHI	02/14/25 15:51
Total Recoverable	Prep	3005A			806078	BDE	EET CHI	02/11/25 09:31 - 02/11/25 15:31 ¹
Total Recoverable	Analysis	6020B		1	806880	S1Z	EET CHI	02/18/25 13:04
Total/NA	Prep	7470A			805559	S1Z	EET CHI	02/06/25 16:00 - 02/06/25 18:00 ¹
Total/NA	Analysis	7470A		1	805957	MJG	EET CHI	02/10/25 11:57
Total/NA	Analysis	300.0		1	805765	MM	EET CHI	02/09/25 02:16
Total/NA	Analysis	SM 2540C		1	806006	CLB	EET CHI	02/10/25 23:24
Total/NA	Analysis	SM 4500 F C		1	805714	SO	EET CHI	02/07/25 13:58

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

Laboratory References:

EET CHI = Eurofins Chicago, 18410 Crossing Drive, Suite E, Tinley Park, IL 60487, TEL (708)534-5200

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/10/2025 3:41:57 PM

JOB DESCRIPTION

Will County CCR (RAD)

JOB NUMBER

500-263510-2

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



Generated
3/10/2025 3:41:57 PM

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

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Case Narrative

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

Job ID: 500-263510-2

Job ID: 500-263510-2

Eurofins Chicago

Job Narrative 500-263510-2

Receipt

The samples were received on 2/4/2025 4:30 PM and 2/6/2025 9:18 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 -0.8°C, -0.7°C, 0.8°C and 2.7°C.

Gas Flow Proportional Counter

Method 903.0: Radium 226 Batch 702044

The laboratory control sample (LCS) recovery is outside the upper QC limit indicating a potential positive bias for that analyte. This analyte was not observed above the RL in the associated samples; therefore the sample data is not adversely affected by this excursion. The data have been reported with this narrative. (LCS 160-702044/2-A)

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

Rad

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

Eurofins Chicago

Method Summary

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

Job ID: 500-263510-2

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

Protocol References:

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-263510-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-263510-1	MW-09	Water	02/04/25 09:10	02/04/25 16:30
500-263510-2	MW-10	Water	02/04/25 14:55	02/04/25 16:30
500-263510-3	MW-11	Water	02/03/25 14:23	02/04/25 16:30
500-263510-4	MW-12	Water	02/03/25 10:46	02/04/25 16:30
500-263510-5	2S/3S Duplicate	Water	02/03/25 00:00	02/04/25 16:30
500-263510-6	MW-16	Water	02/03/25 13:26	02/04/25 16:30
500-263510-7	MW-17	Water	02/03/25 11:55	02/04/25 16:30
500-263510-8	MW-05	Water	02/05/25 10:19	02/06/25 09:18
500-263510-9	MW-06	Water	02/05/25 09:20	02/06/25 09:18

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-09

Lab Sample ID: 500-263510-1

Date Collected: 02/04/25 09:10

Matrix: Water

Date Received: 02/04/25 16:30

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	0.0751	U *	0.106	0.106	1.00	0.179	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					02/07/25 07:47	03/03/25 09:59	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	-0.158	U	0.304	0.304	1.00	0.611	pCi/L	02/07/25 07:56	02/27/25 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.0		30 - 110					02/07/25 07:56	02/27/25 12:30	1
Y Carrier	84.1		30 - 110					02/07/25 07:56	02/27/25 12:30	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	-0.0829	U	0.322	0.322	5.00	0.611	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-10

Lab Sample ID: 500-263510-2

Date Collected: 02/04/25 14:55

Matrix: Water

Date Received: 02/04/25 16:30

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	0.479	*	0.170	0.175	1.00	0.174	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					02/07/25 07:47	03/03/25 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.34		0.526	0.540	1.00	0.653	pCi/L	02/07/25 07:56	02/27/25 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.1		30 - 110					02/07/25 07:56	02/27/25 12:30	1
Y Carrier	72.9		30 - 110					02/07/25 07:56	02/27/25 12:30	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	1.82		0.553	0.568	5.00	0.653	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-11

Lab Sample ID: 500-263510-3

Date Collected: 02/03/25 14:23

Matrix: Water

Date Received: 02/04/25 16:30

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	0.368	*	0.153	0.157	1.00	0.175	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					02/07/25 07:47	03/03/25 09:59	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.515	0.525	1.00	0.715	pCi/L	02/07/25 07:56	02/27/25 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.4		30 - 110					02/07/25 07:56	02/27/25 12:30	1
Y Carrier	79.6		30 - 110					02/07/25 07:56	02/27/25 12:30	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	1.47		0.537	0.548	5.00	0.715	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-12

Lab Sample ID: 500-263510-4

Date Collected: 02/03/25 10:46

Matrix: Water

Date Received: 02/04/25 16:30

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	0.179	*	0.107	0.108	1.00	0.135	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					02/07/25 07:47	03/03/25 09:59	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	0.292	U	0.388	0.389	1.00	0.648	pCi/L	02/07/25 07:56	02/27/25 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.5		30 - 110					02/07/25 07:56	02/27/25 12:24	1
Y Carrier	81.5		30 - 110					02/07/25 07:56	02/27/25 12:24	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	0.471	U	0.402	0.404	5.00	0.648	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-263510-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 16:30

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	0.640	*	0.174	0.183	1.00	0.129	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					02/07/25 07:47	03/03/25 09:59	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	0.441	U	0.383	0.385	1.00	0.605	pCi/L	02/07/25 07:56	02/27/25 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.0		30 - 110					02/07/25 07:56	02/27/25 12:24	1
Y Carrier	80.0		30 - 110					02/07/25 07:56	02/27/25 12:24	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	1.08		0.421	0.426	5.00	0.605	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-16

Lab Sample ID: 500-263510-6

Date Collected: 02/03/25 13:26

Matrix: Water

Date Received: 02/04/25 16:30

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	0.211	*	0.113	0.114	1.00	0.134	pCi/L	02/07/25 07:47	03/03/25 09:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					02/07/25 07:47	03/03/25 09:59	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	0.352	U	0.384	0.385	1.00	0.625	pCi/L	02/07/25 07:56	02/27/25 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					02/07/25 07:56	02/27/25 12:24	1
Y Carrier	72.1		30 - 110					02/07/25 07:56	02/27/25 12:24	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	0.564	U	0.400	0.402	5.00	0.625	pCi/L		03/04/25 16:48	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-17

Lab Sample ID: 500-263510-7

Date Collected: 02/03/25 11:55

Matrix: Water

Date Received: 02/04/25 16:30

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	0.512		0.173	0.179	1.00	0.162	pCi/L	02/13/25 08:11	03/07/25 17:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					02/13/25 08:11	03/07/25 17:36	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	0.615		0.371	0.376	1.00	0.531	pCi/L	02/13/25 08:17	03/04/25 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					02/13/25 08:17	03/04/25 12:11	1
Y Carrier	79.3		30 - 110					02/13/25 08:17	03/04/25 12:11	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	1.13		0.409	0.416	5.00	0.531	pCi/L		03/10/25 12:32	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-05

Date Collected: 02/05/25 10:19

Date Received: 02/06/25 09:18

Lab Sample ID: 500-263510-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0500	U	0.123	0.123	1.00	0.222	pCi/L	02/13/25 08:11	03/07/25 17:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/13/25 08:11	03/07/25 17:36	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	0.396	0.398	1.00	0.625	pCi/L	02/13/25 08:17	03/04/25 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.6		30 - 110					02/13/25 08:17	03/04/25 12:21	1
Y Carrier	78.5		30 - 110					02/13/25 08:17	03/04/25 12:21	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	0.507	U	0.415	0.417	5.00	0.625	pCi/L		03/10/25 12:32	1

Client Sample Results

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

Job ID: 500-263510-2

Client Sample ID: MW-06

Lab Sample ID: 500-263510-9

Date Collected: 02/05/25 09:20

Matrix: Water

Date Received: 02/06/25 09:18

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	0.234		0.112	0.114	1.00	0.130	pCi/L	02/11/25 07:12	03/05/25 10:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					02/11/25 07:12	03/05/25 10:25	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	0.343	U	0.365	0.366	1.00	0.591	pCi/L	02/11/25 07:15	02/27/25 12:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.6		30 - 110					02/11/25 07:15	02/27/25 12:18	1
Y Carrier	83.0		30 - 110					02/11/25 07:15	02/27/25 12:18	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	0.577	U	0.382	0.383	5.00	0.591	pCi/L		03/06/25 11:20	1

Definitions/Glossary

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

Job ID: 500-263510-2

Qualifiers

Rad

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Result is less than the sample detection limit.

Glossary

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

QC Association Summary

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

Job ID: 500-263510-2

Rad

Prep Batch: 702044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	PrecSep-21	
500-263510-2	MW-10	Total/NA	Water	PrecSep-21	
500-263510-3	MW-11	Total/NA	Water	PrecSep-21	
500-263510-4	MW-12	Total/NA	Water	PrecSep-21	
500-263510-5	2S/3S Duplicate	Total/NA	Water	PrecSep-21	
500-263510-6	MW-16	Total/NA	Water	PrecSep-21	
MB 160-702044/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-702044/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 702045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-1	MW-09	Total/NA	Water	PrecSep_0	
500-263510-2	MW-10	Total/NA	Water	PrecSep_0	
500-263510-3	MW-11	Total/NA	Water	PrecSep_0	
500-263510-4	MW-12	Total/NA	Water	PrecSep_0	
500-263510-5	2S/3S Duplicate	Total/NA	Water	PrecSep_0	
500-263510-6	MW-16	Total/NA	Water	PrecSep_0	
MB 160-702045/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-702045/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 702327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-9	MW-06	Total/NA	Water	PrecSep-21	
MB 160-702327/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-702327/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 702328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-9	MW-06	Total/NA	Water	PrecSep_0	
MB 160-702328/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-702328/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 702745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-7	MW-17	Total/NA	Water	PrecSep-21	
500-263510-8	MW-05	Total/NA	Water	PrecSep-21	
MB 160-702745/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-702745/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
500-263510-7 DU	MW-17	Total/NA	Water	PrecSep-21	

Prep Batch: 702746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-263510-7	MW-17	Total/NA	Water	PrecSep_0	
500-263510-8	MW-05	Total/NA	Water	PrecSep_0	
MB 160-702746/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-702746/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
500-263510-7 DU	MW-17	Total/NA	Water	PrecSep_0	

QC Sample Results

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

Job ID: 500-263510-2

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-702044/1-A

Matrix: Water

Analysis Batch: 705675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702044

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01849	U	0.0616	0.0616	1.00	0.142	pCi/L	02/07/25 07:47	03/03/25 07:58	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					02/07/25 07:47	03/03/25 07:58	1

Lab Sample ID: LCS 160-702044/2-A

Matrix: Water

Analysis Batch: 705677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702044

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	12.43	*	1.41	1.00	0.185	pCi/L	130	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	87.2		30 - 110							

Lab Sample ID: MB 160-702327/1-A

Matrix: Water

Analysis Batch: 706177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702327

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.009114	U	0.0607	0.0607	1.00	0.132	pCi/L	02/11/25 07:12	03/05/25 07:37	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.7		30 - 110					02/11/25 07:12	03/05/25 07:37	1

Lab Sample ID: LCS 160-702327/2-A

Matrix: Water

Analysis Batch: 706177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702327

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.284		1.02	1.00	0.163	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.7		30 - 110							

Lab Sample ID: MB 160-702745/1-A

Matrix: Water

Analysis Batch: 706560

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702745

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.003075	U	0.00639	0.00640	1.00	0.0153	pCi/L	02/13/25 08:11	03/07/25 17:32	1

Eurofins Chicago

QC Sample Results

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

Job ID: 500-263510-2

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

Lab Sample ID: MB 160-702745/1-A
Matrix: Water
Analysis Batch: 706560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702745

	MB	MB									
Carrier	%Yield	Qualifier	Limits						Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110						02/13/25 08:11	03/07/25 17:32	1

Lab Sample ID: LCS 160-702745/2-A
Matrix: Water
Analysis Batch: 706560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702745

					Total						
Analyte		Spike	LCS	LCS	Uncert.	RL	MDC	Unit	%Rec	%Rec	Limits
Radium-226		Added	Result	Qual	(2σ+/-)				86		75 - 125
		0.948	0.8146		0.0975	1.00	0.0193	pCi/L			

	LCS	LCS		
Carrier	%Yield	Qualifier	Limits	
Ba Carrier	85.3		30 - 110	

Lab Sample ID: 500-263510-7 DU
Matrix: Water
Analysis Batch: 706560

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 702745

	Sample	Sample			Total						
Analyte	Result	Qual	DU	DU	Uncert.	RL	MDC	Unit		RER	Limit
Radium-226	0.512		Result	Qual	(2σ+/-)					0.26	1
			0.4252		0.163	1.00	0.165	pCi/L			

	DU	DU		
Carrier	%Yield	Qualifier	Limits	
Ba Carrier	90.8		30 - 110	

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-702045/1-A
Matrix: Water
Analysis Batch: 705085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702045

	MB	MB	Count	Total							
Analyte	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil Fac	
Radium-228	0.4821	U	(2σ+/-)	(2σ+/-)				02/07/25 07:56	02/27/25 12:28	1	
			0.355	0.357	1.00	0.535	pCi/L				

	MB	MB									
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac	
Ba Carrier	91.3		30 - 110					02/07/25 07:56	02/27/25 12:28	1	
Y Carrier	77.4		30 - 110					02/07/25 07:56	02/27/25 12:28	1	

Lab Sample ID: LCS 160-702045/2-A
Matrix: Water
Analysis Batch: 705085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702045

					Total						
Analyte		Spike	LCS	LCS	Uncert.	RL	MDC	Unit	%Rec	%Rec	Limits
Radium-228		Added	Result	Qual	(2σ+/-)				109		75 - 125
		8.06	8.810		1.27	1.00	0.523	pCi/L			

Eurofins Chicago

QC Sample Results

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

Job ID: 500-263510-2

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

Lab Sample ID: LCS 160-702045/2-A

Matrix: Water

Analysis Batch: 705085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702045

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Ba Carrier	87.2		30 - 110
Y Carrier	78.5		30 - 110

Lab Sample ID: MB 160-702328/1-A

Matrix: Water

Analysis Batch: 705036

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702328

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.09046	U	0.345	0.346	1.00	0.671	pCi/L	02/11/25 07:15	02/27/25 12:16	1
MB MB										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	82.7		30 - 110							
Y Carrier	77.0		30 - 110							
				Prepared	Analyzed	Dil Fac				
				02/11/25 07:15	02/27/25 12:16	1				
				02/11/25 07:15	02/27/25 12:16	1				

Lab Sample ID: LCS 160-702328/2-A

Matrix: Water

Analysis Batch: 705036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702328

					Total							
Analyte		Spike	LCS	LCS	Uncert.	RL	MDC	Unit	%Rec	%Rec		
		Added	Result	Qual	(2σ+/-)					Limits		
Radium-228		8.06	8.288		1.24	1.00	0.602	pCi/L	103	75 - 125		
Carrier	LCS	LCS										
	%Yield	Qualifier	Limits									
Ba Carrier	85.7		30 - 110									
Y Carrier	78.1		30 - 110									

Lab Sample ID: MB 160-702746/1-A

Matrix: Water

Analysis Batch: 705882

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 702746

Analyte	MB MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.01296	U	0.0237	0.0238	1.00	0.0494	pCi/L	02/13/25 08:17	03/04/25 12:11	1
MB MB										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.5		30 - 110							
Y Carrier	81.1		30 - 110							
				Prepared	Analyzed	Dil Fac				
				02/13/25 08:17	03/04/25 12:11	1				
				02/13/25 08:17	03/04/25 12:11	1				

Lab Sample ID: LCS 160-702746/2-A

Matrix: Water

Analysis Batch: 705882

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 702746

Analyte	Spike Added	LCS LCS		Total	RL	MDC	Unit	%Rec	%Rec Limits	
		Result	Qual	Uncert. (2σ+/-)						
Radium-228	0.797	0.7327		0.111	1.00	0.0528	pCi/L	92	75 - 125	

Eurofins Chicago

QC Sample Results

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

Job ID: 500-263510-2

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

Lab Sample ID: LCS 160-702746/2-A
Matrix: Water
Analysis Batch: 705882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702746

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	85.3		30 - 110
Y Carrier	79.6		30 - 110

Lab Sample ID: 500-263510-7 DU
Matrix: Water
Analysis Batch: 705883

Client Sample ID: MW-17
Prep Type: Total/NA
Prep Batch: 702746

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-228	0.615		0.8842		0.406	1.00	0.530	pCi/L	0.34	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	90.8		30 - 110							
Y Carrier	80.4		30 - 110							

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record



Environment Testing



Client Information		Sampler: <u>Tim Stohner</u>		Lab PM: Mockler, Diana J	
Client Contact: Mr Tim Stohner		Phone: <u>630-290-6850</u>		E-Mail: Diana.Mockler@et.eurofinsus.com	
Company: KPRG and Associates, Inc		PWSID:		Analysis R	
Address: 414 Plaza Drive Suite 106		Due Date Requested:		500-263510 COC	
City: Westmont		TAT Requested (days):		Job #: <u>500-263510</u>	
State Zip: IL, 60559		Compliance Project. ☐ Yes ☐ No		Preservation Codes: D HNO3 N None	
Phone:		PO #: 4502187743		Other:	
Email: tims@kprginc.com		WO #:		Total Number of containers	
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring <u>CCR</u>		Project #: 50011609		Special Instructions/Note:	
Site: Illinois		SSOW#:			
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)
				Preservation Code:	
MW-05		—	—	—	Water
MW-06		—	—	—	Water
1 MW-09		2-4-25	09:10	G	Water
2 MW-10		2-4-25	14:55	G	Water
3 MW-11		2-3-25	14:23	G	Water
4 MW-12		2-3-25	10:46	G	Water
5 2S/3S Duplicate		2-3-25	—	G	Water
6 MW-16		2-3-25	13:26	G	Water
7 MW-17		2-3-25	11:55	G	Water
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☐ Disposal By Lab ☐ 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>2-4-25 16:30</u>	Company: <u>KPRG</u>	Received by: <u>[Signature]</u>	Date/Time: <u>2/4/25 1630</u>
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>11-20.8, 2.8-7.2, 0.4-7.0</u>	

Eurofins Chicago

2417 Bond Street

University Park, IL 60484

Phone 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing

Client Information		Sampler: <u>Jan John Holkeon</u>		Lab PM: Mockler, Diana J		Carrier Tracking No(s):		COC No: 500-126447-48726 1	
Client Contact: Mr Tim Stohner		Phone: <u>630 290 6850</u>		E-Mail: Diana Mockler@et.eurofins.com		State of Origin:		Page 1 of 1	
Company: KPRG and Associates, Inc.		PWSID:		Analysis Requested					
Address: 414 Plaza Drive Suite 106		Due Date Requested:		Field Filtered Sample (Yes/No) 903.0, 904.0 6010C, 6020A, 7470A 2540C, 4500_F_C, SM4500_CI_E, SM4500_SO4_E Total Number of Containers					
City: Westmont		TAT Requested (days):							
State, Zip: IL, 60559		Compliance Project: ☐ Yes ☐ No							
Phone:		PO #: 4502116506							
Email: tims@kprginc.com		WO #:							
Project Name: Will County 2S/3S Event Desc Quarterly GW Monitoring <u>CCR</u>		Project #: 50011809		Preservation Codes: D - HNO3 N - None					
Site: Illinois		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Special Instructions/Note:			
MW-05	2-5-25	10:19	G	Water	XX	D	B	N	
MW-06	2-5-25	09:20	G	Water	NN	X	X	X	
MW-09	—	—	—	Water					
MW-10	—	—	—	Water					
MW-11	—	—	—	Water					
MW-12	—	—	—	Water					
2S/3S Duplicate	—	—	—	Water					
MW-16	—	—	—	Water					
MW-17	—	—	—	Water					
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months					
Empty Kit Relinquished by:		Date		Time		Method of Shipment:			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>2-6-25 09:18</u>		Company: <u>KPRG</u>		Received by: <u>Stephanie Hernandez</u>		Date/Time: <u>2/6/25 0918</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact ☐ Yes ☐ No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>0.5 → 0.8</u>					

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler N/A		Lab PM Mockler, Diana J		Carrier Tracking No(s) N/A		COC No 500-198022.1				
Client Contact Shipping/Receiving		Phone N/A		E-Mail Diana.Mockler@et.eurofins.com		State of Origin Illinois		Page Page 1 of 1				
Company TestAmerica Laboratories, Inc.		Address 13715 Rider Trail North,		Due Date Requested: 3/6/2025		Accreditations Required (See note) NELAP - Illinois		Job # 500-263510-2				
City Earth City		State, Zip MO, 63045		TAT Requested (days): N/A		Analysis Requested		Preservation Codes:				
Phone 314-298-8566(Tel) 314-298-8757(Fax)		PO # N/A										
Email N/A		WO # N/A										
Project Name Will County CCR (RAD)		Project # 50011609										
Site NRG Midwest Generation Will County		SSOW# N/A										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=wastewater, I=st+issue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:
MW-09 (500-263510-1)	2/4/25	09:10 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-10 (500-263510-2)	2/4/25	14:55 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-11 (500-263510-3)	2/3/25	14:23 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-12 (500-263510-4)	2/3/25	10:46 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
2S/3S Duplicate (500-263510-5)	2/3/25	Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-16 (500-263510-6)	2/3/25	13:26 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
MW-17 (500-263510-7)	2/3/25	11:55 Central	G	Water		X	X	X	X		3	Batch QC must be performed (dup. spikes, etc) - no NCMs concerning limited volume.
Note: Since laboratory accreditations are subject to change, Eurofins Chicago places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.												
Possible Hazard Identification												
Unconfirmed												
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2												
Empty Kit Relinquished by: _____ Date: _____ Time: _____												
Relinquished by: _____ Date/Time: 2/5/25 1430 Company: _____												
Relinquished by: _____ Date/Time: _____ Company: _____												
Relinquished by: _____ Date/Time: _____ Company: _____												
Custody Seals Intact: _____ Custody Seal No.: _____												
Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks:												

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-263510-2

Login Number: 263510

List Source: Eurofins Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8,2.7,-0.7 Samples not frozen,-0.8
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-263510-2

Login Number: 263510

List Number: 2

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 02/06/25 12:24 PM

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

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

Eurofins Chicago

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-263510-2

Login Number: 263510

List Number: 3

Creator: Forrest, Cheyenne L

List Source: Eurofins St. Louis

List Creation: 02/07/25 01:39 PM

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

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

Eurofins Chicago

Lab Chronicle

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

Job ID: 500-263510-2

Client Sample ID: MW-09

Date Collected: 02/04/25 09:10

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:30
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-10

Date Collected: 02/04/25 14:55

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:30
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-11

Date Collected: 02/03/25 14:23

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705085	SWS	EET SL	02/27/25 12:30
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-12

Date Collected: 02/03/25 10:46

Date Received: 02/04/25 16:30

Lab Sample ID: 500-263510-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705086	SWS	EET SL	02/27/25 12:24
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Lab Chronicle

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

Job ID: 500-263510-2

Client Sample ID: 2S/3S Duplicate

Lab Sample ID: 500-263510-5

Date Collected: 02/03/25 00:00

Matrix: Water

Date Received: 02/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705086	SWS	EET SL	02/27/25 12:24
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-16

Lab Sample ID: 500-263510-6

Date Collected: 02/03/25 13:26

Matrix: Water

Date Received: 02/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702044	OGC	EET SL	02/07/25 07:47
Total/NA	Analysis	903.0		1	705677	SWS	EET SL	03/03/25 09:59
Total/NA	Prep	PrecSep_0			702045	OGC	EET SL	02/07/25 07:56
Total/NA	Analysis	904.0		1	705086	SWS	EET SL	02/27/25 12:24
Total/NA	Analysis	Ra226_Ra228		1	706011	SCB	EET SL	03/04/25 16:48

Client Sample ID: MW-17

Lab Sample ID: 500-263510-7

Date Collected: 02/03/25 11:55

Matrix: Water

Date Received: 02/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702745	OGC	EET SL	02/13/25 08:11
Total/NA	Analysis	903.0		1	706560	SWS	EET SL	03/07/25 17:36
Total/NA	Prep	PrecSep_0			702746	OGC	EET SL	02/13/25 08:17
Total/NA	Analysis	904.0		1	705882	SRE	EET SL	03/04/25 12:11
Total/NA	Analysis	Ra226_Ra228		1	706950	SCB	EET SL	03/10/25 12:32

Client Sample ID: MW-05

Lab Sample ID: 500-263510-8

Date Collected: 02/05/25 10:19

Matrix: Water

Date Received: 02/06/25 09:18

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702745	OGC	EET SL	02/13/25 08:11
Total/NA	Analysis	903.0		1	706560	SWS	EET SL	03/07/25 17:36
Total/NA	Prep	PrecSep_0			702746	OGC	EET SL	02/13/25 08:17
Total/NA	Analysis	904.0		1	705883	SWS	EET SL	03/04/25 12:21
Total/NA	Analysis	Ra226_Ra228		1	706950	SCB	EET SL	03/10/25 12:32

Lab Chronicle

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

Job ID: 500-263510-2

Client Sample ID: MW-06
Date Collected: 02/05/25 09:20
Date Received: 02/06/25 09:18

Lab Sample ID: 500-263510-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			702327	OGC	EET SL	02/11/25 07:12
Total/NA	Analysis	903.0		1	706176	SWS	EET SL	03/05/25 10:25
Total/NA	Prep	PrecSep_0			702328	OGC	EET SL	02/11/25 07:15
Total/NA	Analysis	904.0		1	705036	SWS	EET SL	02/27/25 12:18
Total/NA	Analysis	Ra226_Ra228		1	706390	EMH	EET SL	03/06/25 11:20

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

Tracer/Carrier Summary

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

Job ID: 500-263510-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba					
		(30-110)					
500-263510-1	MW-09	86.0					
500-263510-2	MW-10	82.1					
500-263510-3	MW-11	83.4					
500-263510-4	MW-12	89.5					
500-263510-5	2S/3S Duplicate	89.0					
500-263510-6	MW-16	87.2					
500-263510-7	MW-17	84.3					
500-263510-7 DU	MW-17	90.8					
500-263510-8	MW-05	85.6					
500-263510-9	MW-06	81.6					
LCS 160-702044/2-A	Lab Control Sample	87.2					
LCS 160-702327/2-A	Lab Control Sample	85.7					
LCS 160-702745/2-A	Lab Control Sample	85.3					
MB 160-702044/1-A	Method Blank	91.3					
MB 160-702327/1-A	Method Blank	82.7					
MB 160-702745/1-A	Method Blank	90.5					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
Lab Sample ID	Client Sample ID	Ba	Y				
		(30-110)	(30-110)				
500-263510-1	MW-09	86.0	84.1				
500-263510-2	MW-10	82.1	72.9				
500-263510-3	MW-11	83.4	79.6				
500-263510-4	MW-12	89.5	81.5				
500-263510-5	2S/3S Duplicate	89.0	80.0				
500-263510-6	MW-16	87.2	72.1				
500-263510-7	MW-17	84.3	79.3				
500-263510-7 DU	MW-17	90.8	80.4				
500-263510-8	MW-05	85.6	78.5				
500-263510-9	MW-06	81.6	83.0				
LCS 160-702045/2-A	Lab Control Sample	87.2	78.5				
LCS 160-702328/2-A	Lab Control Sample	85.7	78.1				
LCS 160-702746/2-A	Lab Control Sample	85.3	79.6				
MB 160-702045/1-A	Method Blank	91.3	77.4				
MB 160-702328/1-A	Method Blank	82.7	77.0				
MB 160-702746/1-A	Method Blank	90.5	81.1				
Tracer/Carrier Legend							
Ba = Ba Carrier							
Y = Y Carrier							

PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-5-25
Sample Name	MW-05	Start Time	10:01	
Condition of Well	Good			
Water Level	10.41	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT MOD TURB ODORLESS	
Volume Removed	2.75 Gals	W L at Sample Time	10.41	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR TRACE CCA-FILTERED TURB	
Sample Analysis	CCA + CCR	Sample Time	10:19	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
10:04	10.42	7.53	4.8	0.663	1.92	67.7	226.17
10:07	10.43	7.37	4.8	0.859	2.96	83.7	114.03
10:10	10.41	7.17	10.7	1.066	3.56	89.8	65.60
10:13	10.41	7.14	11.1	1.041	1.84	93.8	63.29
10:16	10.42	7.15	10.9	1.017	1.23	94.7	58.21
10:19	10.41	7.16	10.8	0.997	1.13	95.1	52.96
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-5-25
Sample Name	MW-06	Start Time	09:05	
Condition of Well	GOOD			
Water Level	11.93	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT SHAPE LIKE PARTICLES ODORLESS HIGH TURB	
Volume Removed	2.0 GTS	W L at Sample Time	11.93	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR TRACE CCA-FILTERED TURB	
Sample Analysis	CCA + CCR	Sample Time	09:20	
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)
09:08	11.94	7.52	9.3	0.785	4.51	105.7	260.72
09:11	11.93	7.50	8.9	0.762	3.10	105.8	171.38
09:14	11.93	7.49	8.7	0.750	2.09	104.5	122.03
09:17	11.93	7.49	8.6	0.744	1.51	102.3	89.13
09:20	11.93	7.49	8.6	0.744	1.40	101.4	48.71
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-4-25
Sample Name	MW-9	Start Time	08:55	
Condition of Well	Good			
Water Level	11.81	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODORLESS TURB	
Volume Removed	2.5 GALS.	W L at Sample Time	12.10	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR CCA - FILTERED	
Sample Analysis	25/35 IN/15 CCA + CCR + CCR	Sample Time	09:10	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
08:58	12.11	8.27	9.8	1.061	9.82	55.4	117.11
08:01	12.12	8.48	10.3	1.113	4.08	53.9	101.02
09:04	12.11	8.70	9.8	1.096	1.56	53.8	74.64
09:07	12.11	8.77	9.6	1.093	0.97	52.7	63.22
09:10	12.10	8.79	9.6	1.089	0.78	51.8	52.73

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-4-25
Sample Name	MW-10	Start Time	14:37	
Condition of Well	Good			
Water Level	10.43	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT HIGH TURB ODORLESS	
Volume Removed	2.25 GTS	W L at Sample Time	10.53	
Method of Sample	Low-Flow	Sample Characteristics	TAN TINT SLIGHT (CA-FILINGS) TURB	
Sample Analysis	CCA + CCR	Sample Time	14:55	
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)
14:40	10.51	7.34	5.4	1.048	3.86	42.6	221-14
14:43	10.55	6.98	9.7	1.265	2.08	13.1	173.99
14:46	10.55	6.96	8.3	1.310	1.31	-1.9	150.13
14:49	—	6.97	7.3	1.284	0.97	-11.1	103.67
14:52	10.53	6.97	6.9	1.276	0.87	-14.0	84.22
14:55	10.53	6.96	6.8	1.269	0.71	-15.6	54.76
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-3-25
Sample Name	MW-11	Start Time	14:02	
Condition of Well	Good			
Water Level	9.86	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	TAN TINT HIGH ODORLESS TURBIDITY	
Volume Removed	2.75 QTS	W L at Sample Time	10.02	
Method of Sample	Low-Flow	Sample Characteristics	TAN TINT LIGHT TURB.	
Sample Analysis	CCR	Sample Time	14:23	
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)
14:05	10.04	7.42	10.3	1.068	7.38	25.1	213.27
14:08	10.07	7.29	10.7	1.075	2.90	-5.8	230.01
14:11	10.10	7.17	10.9	1.089	1.78	-25.9	164.12
14:14	10.08	7.11	10.9	1.090	1.35	-32.1	119.41
14:17	10.06	7.08	10.8	1.086	0.98	-37.1	95.22
14:20	10.05	7.06	10.5	1.078	0.77	-40.4	83.61
14:23	10.02	7.05	10.4	1.076	0.68	-41.4	61.37

SAMPLING NOTES:

Sampler Name and
Company:

KPRG and Associates



PROJECT NAME	NRG - WILL COUNTY STATION (12313.3)		DATE	2-3-25
Sample Name	MW-12	Start Time	10:28	
Condition of Well	GOOD			
Water Level	10.04	Total Depth	—	
Well Diameter	PVC - 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS ODORLESS	
Volume Removed	1.75 Gall	W L at Sample Time	10.04	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR	Sample Time	10:46	
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)
10:31	10.05	7.13	11.1	1.519	5.12	233.0	39.87
10:34	10.04	7.11	10.8	1.484	3.54	231.6	37.33
10:37	10.04	7.11	10.8	1.473	2.73	235.4	37.68
10:40	10.04	7.11	10.5	1.462	2.52	237.5	31.02
10:43	—	7.10	10.1	1.446	2.07	237.9	28.31
10:46	10.04	7.10	10.1	1.443	1.97	237.8	26.73
—							

SAMPLING NOTES:

Sampler Name and Company:

KPRG and Associates

