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 3rd quarter 2024 which includes the entire list of parameters specified under Section 845.600(a)(1) and (b). Table 1 is a summary table of all available CCR monitoring data to date including any data generated previously as part of the Federal CCR Rule monitoring. In addition, Table 2 provides a summary of turbidity data which was collected as part of State CCR Rule requirements which is a data parameter that was not required under the Federal CCR Rule.

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

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-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	0.032	0.099	^+ < 0.001	0.004	0.0083	< 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	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.0002	0.055	< 0.479	0.039	< 0.0020
	7/26/2023	4.8	180	18	0.50	6.91	440	1200	< 0.0030	0.0014	0.061	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.021	< 0.00020	0.053	0.823	0.070	< 0.0020
	10/24/2023	6.8	140	8.6	0.52	6.68	210	850	< 0.0030	0.0014	0.074	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.023	< 0.00020	0.071	< 0.967	0.077	< 0.0020
	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
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	< 0.003	0.003	0.074	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.043	< 0.531	< 0.0025	< 0.002
	2/1/2017	3.4	70	83	0.41	7.88	260	700	< 0.003	0.0043	0.068	* < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	^< 0.0002	0.05	< 0.511	0.0035	< 0.002
	5/11/2017	3.0	75	84	0.28	8.68	330	570	< 0.003	0.002	0.054	< 0.001	< 0.0005	< 0.005	< 0.001	0.00054	0.011	< 0.0002	0.054	< 0.388	< 0.0025	< 0.002
	6/27/2017	3.1	65	74	0.38	8.15	330	710	< 0.003	0.0014	0.069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.046	0.408	< 0.0025	< 0.002
	9/7/2017	3.5	75	67	0.40	8.20	300	740	< 0.003	0.0025	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.044	0.397	< 0.0025	< 0.002
	11/16/2017	3.9	88	54	0.39	7.59	280	810	< 0.003	0.0028	0.077	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.038	0.491	0.012	< 0.002
	5/3/2018	3.0	91	52	0.26	6.91	530	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/25/2018 R	NA	NA	NA	NA	7.47	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	3.5	93	44	0.31	7.83	240	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	4.3	120	38	0.21	7.51	350	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/3/2019 R	3.2	NA	NA	NA	8.28	NA	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/6/2019	4.2	98	31	0.33	7.91	210	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	3.4	98	56	0.31	7.47	180	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.3	100	43	0.36	7.29	170	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/24/2021	2.6	99	46	0.33	7.65	160	610	< 0.003	0.0025	0.08	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.017	0.576	< 0.0025	< 0.002
	8/24/2021	2.9	100	100	0.35	7.09	170	370	< 0.003	0.0029	0.093	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.018	< 0.468	< 0.0025	< 0.002
	11/23/2021	2.6	85	43	0.37	7.48	150	720	< 0.003	0.002	0.07	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.017	1.02	< 0.0025	< 0.002
	2/22/2022	2.8	130	35	0.33	7.29	260	940	< 0.003	0.0019	0.09	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.033	0.551	0.05	< 0.002
	6/14/2022	2.5	110	22	0.35	7.06	210	610	< 0.003	0.0018	0.082	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.018	1.22	< 0.0025	< 0.002
	8/25/2022	2.7	110	20	0.42	7.31	170	750	< 0.003	0.0023	0.088	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.021	< 0.519	< 0.0025	< 0.002
	11/15/2022	3.2	110	19	0.47	7.41	160	600	< 0.003	0.0017	0.083	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.021	1.08	< 0.0025	< 0.002
	2/23/2023	3	110	17	0.35	7.54	190	680	< 0.003	0.0023	0.086	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.016	< 0.0002	0.023	0.948	0.022	< 0.002
	4/26/2023	2.0	100	15	0.36	7.42	150	610	< 0.0030	0.0023	0.070	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.014	< 0.0002	0.019	< 0.422	< 0.0025	< 0.0020
	7/26/2023	2.5	110	16	0.42	7.60	170	610	< 0.0030	0.0022	0.083	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.018	< 0.00020	0.022	< 0.653	< 0.0025	< 0.0020
	10/24/2023	2.5	100	13	0.40	7.34	140	580	< 0.0030	0.0025	0.079	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.020	< 0.00020	0.021	< 0.482	< 0.0025	< 0.0020
	2/7/2024	2.5	96	12	0.39	7.39	150	570	^1+ < 0.030	0.0017	0.077	^1+ < 0.010	^+ < 0.00050	< 0.0050	^+ < 0.0010	< 0.00050	0.015	< 0.00020	0.021	< 0.483	^+ < 0.0025	^+ < 0.0020
	5/8/2024	2.3	110	13	0.37	7.66	180	630	< 0.0030	0.0013	0.081	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.021	< 0.600	0.0065	< 0.0020
	8/6/2024	2.3	110	15	0.38	7.34	180	580	< 0.0030	0.0025	0.090	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.019	< 0.00020	0.020	0.587	< 0.0025	< 0.0020

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

Italics Date - First round of Detection Monitoring and resample after statistical background establishment.

F1 - MS and/or MSD Recovery outside of limits.

NA - Not analyzed. No confirmation resample required.

R - Resample

V - Serial Dilution exceeds the control limits

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

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

Well	Date	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	Total Dissolved Solids	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Lead	Lithium	Mercury	Molybdenum	Radium 226 + 228 Combined	Selenium	Thallium
MW-09 down-gradient	11/11/2015	1.9	56	190	0.55	9.12	460	750	< 0.003	0.0047	0.027	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	-0.2208	< 0.0025	< 0.002
	2/17/2016	1.8	47	160	0.55	9.10	250	600	< 0.003	0.0051	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	< 0.01	< 0.0002	0.089	< 0.373	< 0.0025	< 0.002
	5/24/2016	1.6	48	180	0.51	8.79	240	640	< 0.003	0.0043	0.027	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00071	< 0.01	< 0.0002	0.079	0.508	< 0.0025	< 0.002
	8/9/2016	2.2	53	140	0.48	8.35	280	750	< 0.003	0.0052	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.14	0.639	< 0.0025	< 0.002
	10/26/2016	2.2	33	130	0.81	9.16	230	660	< 0.003	0.0069	0.019	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.11	0.608	< 0.0025	< 0.002
	1/31/2017	2.0	61	250	0.57	8.59	180	710	< 0.003	0.0063	0.038	* < 0.001	< 0.0005	< 0.005	< 0.0010	0.0014	< 0.01	^ < 0.0002	0.09	< 0.45	< 0.0025	< 0.002
	5/9/2017	1.8	66	340	0.38	8.58	250	900	< 0.003	0.0052	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	0.00054	< 0.01	< 0.0002	0.093	< 0.361	< 0.0025	< 0.002
	6/27/2017	1.9	64	330	0.51	7.76	240	940	< 0.003	0.0046	0.039	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.091	0.638	< 0.0025	< 0.002
	9/6/2017	1.8	59	310	0.51	8.98	240	890	< 0.003	0.0047	0.038	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	< 0.01	< 0.0002	0.1	0.454	< 0.0025	< 0.002
	11/14/2017	2.6	160	270	0.51	8.1	290	910	< 0.003	0.0017	0.11	< 0.001	< 0.0005	< 0.005	< 0.0010	< 0.0005	0.018	< 0.0002	0.026	< 0.372	0.0061	< 0.002
	5/1/2018	1.7	49	200	0.52	7.81	430	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	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	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.065	< 0.614	< 0.0025	< 0.0020
	4/26/2023	1.8	38	190	0.48	8.82	220	750	< 0.0030	0.008	0.029	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.062	< 0.562	< 0.0025	< 0.0020
	7/26/2023	2.0	44	190	0.49	8.83	250	720	< 0.0030	0.0087	0.036	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.074	< 0.733	< 0.0025	< 0.0020
	10/24/2023	2.0	41	200	0.52	8.68	200	770	< 0.0030	0.010	0.035	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.070	< 0.549	< 0.0025	< 0.0020
	2/7/2024	2.1	39	190	0.60	8.89	230	680	^1+ < 0.030	0.0082	0.035	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.068	0.588	< 0.0025	< 0.0020
	5/8/2024	1.8	41	180	0.52	9.33	230	740	< 0.003	0.0075	0.031	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	^+ < 0.010	0.00021	0.063	< 0.634	< 0.0025	< 0.0020
	8/5/2024	1.9	45	200	0.54	8.71	220	800	< 0.0030	0.010	0.042	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.073	< 0.578	< 0.0025	< 0.0020
MW-10 down-gradient	11/10/2015	3.9	140	140	0.77	7.34	310	980	< 0.003	0.015	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.018	< 0.0002	0.068	1.341	< 0.0025	< 0.002
	2/16/2016	3.6	150	240	0.79	7.29	290	950	< 0.003	0.014	0.098	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.075	0.952	< 0.0025	< 0.002
	5/25/2016	3.6	120	140	0.83	7.26	260	1000	< 0.003	0.034	0.096	^ < 0.001	< 0.0005	< 0.005	< 0.001	0.00055	0.016	< 0.0002	0.065	0.51	< 0.0025	< 0.002
	8/10/2016	4.3	150	120	0.78	7.22	230	970	< 0.003	0.017	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.082	0.864	< 0.0025	< 0.002
	10/26/2016	3.0	160	74	0.52	7.30	220	1000	< 0.003	0.022	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.030	0.458	< 0.0025	< 0.002
	2/2/2017	3.7	180	81	0.54	7.16	160	930	< 0.003	0.05	0.14	* < 0.001	< 0.0005	< 0.005	< 0.001	0.0013	0.02	^ < 0.0002	0.031	< 0.464	< 0.0025	< 0.002
	5/10/2017	3.0	150	100	0.44	7.83	340	860	< 0.003	0.02	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.066	0.882	< 0.0025	< 0.002
	6/27/2017	2.8	130	110	0.67	7.49	250	930	< 0.003	0.0072	0.096	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.080	0.953	< 0.0025	< 0.002
	9/7/2017	2.8	120	120	0.77	7.37	290	920	< 0.003	0.0076	0.086	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	0.00058	0.096	0.921	< 0.0025	< 0.002
	11/15/2017	4.1	140	120	0.77	7.10	270	1000	< 0.003	0.015	0.11	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.021	< 0.0002	0.071	0.893	< 0.0025	< 0.002
	5/1/2018	3.2	150	130	0.65	7.31	280	990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/3/2018	2.5	110	140	0.89	7.60	200	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	2.8	100	140	0.82	7.53	260	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	3.7	120	110	0.93	7.21	190	940	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/2020	2.3	100	170	0.90	7.29	280	850	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	3.7	130	140	0.87	7.02	180	920	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	3.0	160	130	0.62	7.16	160	910	< 0.003	0.018	0.18	^1+ < 0.001	< 0.0005	< 0.005	0.0013	0.0054	0.02	< 0.0002	0.036	< 1.14	< 0.0025	< 0.002
	8/26/2021	2.5	110	140	0.82	7.70	250	740	< 0.003	0.009	0.085	< 0.001	< 0.0005	< 0.005	< 0.001	0.00073	0.017	< 0.0002	0.12	1.48	< 0.0025	< 0.002
	11/23/2021	2.7	110	130	0.71	7.07	230	990	< 0.003	0.012	0.091	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	0.0011	0.013	< 0.0002	0.048	2.22	< 0.0025	< 0.002
	2/24/2022	2.6	130	120	0.53	7.02	170	840	< 0.003	0.0072	0.1	^1+ < 0.001	< 0.0005	< 0.005	0.0012	0.001	0.014	< 0.0002	0.043	0.768	< 0.0025	< 0.002
	6/14/2022	2.9	100	140	0.86	6.99	280	790	< 0.003	0.008	0.081	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.12	1.55	< 0.0025	< 0.002
	8/25/2022	2.6	130	140	0.99	7.47	280	910	< 0.003	0.019	0.11	< 0.001	^1+ < 0.0005	0.0053	0.001	0.0077	0.015	< 0.0002	0.12	1.2	< 0.0025	< 0.002
	9/28/2022 (R)	NA	NA	NA	NA	NA	NA	NA	NA	0.0088	NA	NA	NA	NA	NA	0.00093	NA	NA	NA	NA	NA	NA
	11/16/2022	4.4	130	160	0.94	7.15	220	910	< 0.003	0.015	0.1	^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.002	0.018	< 0.0002	0.097	2.74	< 0.0025	< 0.002
	2/23/2023	3.7	140	140	0.71	7.11	250	930	< 0.003	0.015	0.12	^1+ ^+ < 0.001	< 0.0005	< 0.005	< 0.001	0.0008	0.016	< 0.00020	0.073	1.35	< 0.0025	< 0.002
	4/26/2023	2.8	99	150	0.94	7.23	250	900	< 0.0030	0.013	0.079	< 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00067	0.015	< 0.00020	0.12	1.37	< 0.0025	< 0.0020
	7/26/2023	3.7	120	150	0.81	7.37	260	910	< 0.0030	0.017	0.099	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.017	< 0.00020	0.097	0.959	< 0.0025	< 0.0020
	10/24/2023	2.9	99	160	0.89	7.19	230	920	< 0.0030	0.0087	0.083	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.12	1.30	< 0.0025	< 0.0020
	2/7/2024	3.7	130	120	0.69	6.94	290	910	^1+ < 0.030	0.012	0.11	^1+ < 0.010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.016	< 0.00020	0.082	1.52	< 0.0025	< 0.0020
	5/8/2024	2.7	110	130	0.81	7.23	290	860	< 0.0030	0.012	0.079	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.016	< 0.00020	0.11	0.831	< 0.0025	< 0.0020
	8/5/2024	2.4	89	140	0.92	7.43	310	850	< 0.0030	0.0079	0.070	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.016	< 0.00020	0.15	0.653	< 0.0025	< 0.0020

Notes: All units are in mg/l except pH is in standard units and radium is in pCi/L.
Italics Date - First round of Detection Monitoring and resample after statistical background establishment.
F1 - MS and/or MSD Recovery outside of limits.
NA - Not analyzed. No confirmation resample required.
R - Resample
V - Serial Dilution exceeds the control limits

^ - Instrument related QC is outside acceptance limits.
* - LCS or LCSD is outside acceptance limits.
^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

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	0.0022	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	0.0015	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	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.0002	0.043	< 0.734	< 0.0025	< 0.0020
	7/25/2023	2.2	120	120	0.46	7.12	80	740	< 0.0030	0.0077	0.14	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.031	1.02	< 0.0025	< 0.0020
	10/19/2023	3.0	120	120	0.55	7.12	74	770	< 0.0030	0.010	0.16	*+ ^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	< 0.010	< 0.00020	0.044	1.34	< 0.0025	^1+ < 0.0020
	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
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	0.00063	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	7.30	150	900	< 0.003	0.0017	0.11	* < 0.001	< 0.0005	< 0.005	< 0.001	0.00065	0.013	< 0.0002	0.023	0.949	< 0.0025	< 0.002
	5/10/2017	2.3	200	240	0.30	7.65	260	1300	< 0.003	0.0013	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.029	< 0.464	0.017	< 0.002
	6/27/2017	2.4	180	280	0.44	7.31	260	1300	< 0.003	0.0014	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.03	0.455	0.0032	< 0.002
	9/6/2017	2.6	190	270	0.49	7.26	260	1400	< 0.003	0.0017	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.032	< 0.317	0.0043	< 0.002
	11/15/2017	1.7	55	200	0.47	6.90	250	1200	< 0.003	0.0054	0.034	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.11	0.434	< 0.0025	< 0.002
	5/3/2018	1.8	140	170	0.47	6.60	170	960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/2/2018	F1 2.2	150	160	0.49	7.30	170	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/29/2019	1.9	140	140	0.42	7.23	190	930	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/2019	2.1	140	71	0.53	7.02	110	820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/22/2020	1.9	180	120	0.4	6.95	140	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2020	2.2	160	190	0.52	7.27	160	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/25/2021	1.8	140	170	0.49	7.37	180	930	< 0.003	0.0017	0.14	^1+ < 0.001	< 0.0005	< 0.005	0.001	< 0.00085	0.014	< 0.0002	0.029	0.529	< 0.0025	< 0.002
	8/26/2021	2.1	170	200	0.47	7.49	170	1000	< 0.003	0.002	0.14	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.017	< 0.0002	0.027	1.03	< 0.0025	< 0.002
	11/23/2021	2.3	180	210	0.44	7.01	180	1200	< 0.003	0.002	0.15	^1+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.014	< 0.0002	0.022	0.58	0.0055	< 0.002
	2/24/2022	1.7	150	150	0.4	7.06	150	1000	< 0.003	0.0025	0.27	^1+ < 0.001	< 0.0005	< 0.005	0.0011	0.0016	0.018	< 0.0002	0.024	< 1.62	0.0061	< 0.002
	6/13/2022	1.9	160	^+ 210	0.45	7.03	170	1000	< 0.003	0.0015	0.15	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.024	0.957	0.0045	< 0.002
	8/23/2022	1.9	150	170	0.37	6.62	160	1000	< 0.003	0.0011	0.18	< 0.001	^1+ < 0.0005	< 0.005	< 0.001	< 0.0005	0.013	< 0.0002	0.015	0.709	0.0086	< 0.002
	11/16/2022	2.3	160	180	0.97	7.34	180	1000	< 0.003	0.0017	0.14	^+ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.015	< 0.0002	0.029	< 0.139	< 0.0025	< 0.002
	2/21/2023	1.6	150	150	0.41	7.15	180	980	< 0.003	0.0015	0.13	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.012	< 0.0002	0.025	< 0.651	< 0.0025	< 0.002
	4/25/2023	1.8	150	170	0.42	6.91	180	980	< 0.0030	0.0017	0.12	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.012	< 0.0002	0.022	< 0.510	0.0044	< 0.0020
	7/25/2023	2.1	180	180	0.44	6.96	190	1100	< 0.0030	0.0017	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.017	< 0.0002	0.026	< 0.664	0.0180	< 0.0020
	10/19/2023	2.2	180	180	0.47	6.99	170	1100	< 0.0030	0.0013	0.18	*+ ^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.014	< 0.00020	0.027	0.889	0.0040	^1+ < 0.0020
	2/5/2024	2.2	170	140	0.36	7.07	160	1100	^1+ < 0.0030	0.0017	0.18	^+ < 0.0010	< 0.00050	< 0.0050	< 0.0010	0.00060	< 0.10	< 0.00020	0.024	< 0.585	0.0044	< 0.0020
	5/6/2024	1.9	180	190	0.42	7.02	160	1100	< 0.0030	0.0011	0.13	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.013	< 0.00020	0.020	0.638	0.0041	< 0.0020
	8/1/2024	2.2	180	F1 180	0.44	7.66	200	1100	< 0.0030	0.0011	0.15	< 0.0010	< 0.00050	< 0.0050	< 0.0010	< 0.00050	0.015	< 0.00020	0.027	< 0.629	0.014	< 0.0020

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

Italics Date - First round of Detection Monitoring and resample after statistical background establishment.

F1 - MS and/or MSD Recovery outside of limits.

NA - Not analyzed. No confirmation resample required.

R - Resample

V - Serial Dilution exceeds the control limits

^ - Instrument related QC is outside acceptance limits.

* - LCS or LCSD is outside acceptance limits.

^1+ or ^+ - Initial or Continuing Calibration Verification limits is outside acceptable limits, high biased.

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

Well ID	Date	Turbidity (NTU)
MW-05	2/23/2021	0.63
	4/10/2021	1.28
	4/25/2021	2.41
	5/24/2021	3.78
	6/11/2021	2.4
	6/28/2021	2.89
	7/12/2021	3.93
	8/4/2021	1.35
	8/24/2021	3.5
	9/24/2021	3.59
	11/23/2021	4.45
	2/24/2022	0.37
	6/16/2022	1.76
	8/25/2022	2.99
	11/15/2022	38.9
	2/23/2023	2.18
	4/26/2023	1.6
	7/26/2023	7.1
	10/24/2023	0.80
	2/7/2024	0.82
	5/8/2024	6.47
	8/6/2024	0.31
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
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
MW-10	2/25/2021	172.14
	4/10/2021	29.99
	4/25/2021	34.77
	5/25/2021	44.14
	6/11/2021	92.03
	6/29/2021	29.35
	7/12/2021	23.45
	8/4/2021	47.68
	8/26/2021	27.5
	9/24/2021	542
	11/23/2021	312.05
	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

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

Well ID	Date	Turbidity (NTU)
MW-11	4/10/2021	269.25
	4/25/2021	60.28
	5/25/2021	9.56
	6/11/2021	77.09
	6/29/2021	7.43
	7/12/2021	39.12
	8/4/2021	9.53
	8/26/2021	11.4
	9/24/2021	9.68
	11/23/2021	1.85
	2/23/2022	162.43
	6/13/2022	27.05
	8/23/2022	10.9
	11/16/2022	60.3
	2/21/2023	51.3
	4/25/2023	56.6
	7/25/2023	1.0
	10/19/2023	3.90
	2/5/2024	39.20
	5/6/2024	42.41
	8/1/2024	13.58
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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/21/2024 2:46:19 PM

JOB DESCRIPTION

Will County CCR

JOB NUMBER

500-254554-1

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Authorization

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

Table of Contents

Job ID: 500-254554-1 — Eurofins Chicago

Job Narrative
500-254554-1

Receipt
The samples were received on 8/2/2024 11:05 AM, 8/5/2024 4:27 PM and 8/7/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.2°C, 2.2°C, 2.5°C, 2.8°C, 3.7°C and 4.7°C.

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

General Chemistry
Method SM4500_Cl_E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 500-780589 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Method Summary

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

Job ID: 500-254554-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

Job ID: 500-254554-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-254554-1	MW-11	Water	08/01/24 11:47	08/02/24 11:05
500-254554-2	MW-12	Water	08/01/24 14:54	08/02/24 11:05
500-254554-3	2S/3S Duplicate	Water	08/01/24 00:00	08/02/24 11:05
500-254554-4	MW-16	Water	08/01/24 13:08	08/02/24 11:05
500-254554-5	MW-17	Water	08/01/24 14:12	08/02/24 11:05
500-254554-6	MW-09	Water	08/05/24 12:47	08/05/24 16:27
500-254554-7	MW-10	Water	08/05/24 14:03	08/05/24 16:27
500-254554-8	MW-05	Water	08/06/24 15:10	08/07/24 08:40
500-254554-9	MW-06	Water	08/06/24 10:24	08/07/24 08:40

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

Job ID: 500-254554-1

Client Sample ID: MW-11

Date Collected: 08/01/24 11:47
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0075**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:04	1
Boron	**3.2**		0.25		mg/L		08/15/24 09:25	08/20/24 15:27	5
Barium	**0.14**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:04	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:04	1
Calcium	**100**		0.20		mg/L		08/15/24 09:25	08/19/24 18:04	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:04	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:04	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:04	1
Molybdenum	**0.045**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:04	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:04	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:04	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:04	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:04	1
Lithium	<0.010		0.010		mg/L		08/15/24 09:25	08/19/24 18:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**790**		10		mg/L			08/06/24 00:57	1
Chloride (SM 4500 Cl- E)	**120**		10		mg/L			08/08/24 14:26	5
Fluoride (SM 4500 F C)	**0.53**		0.10		mg/L			08/15/24 13:33	1
Sulfate (SM 4500 SO4 E)	**76**		10		mg/L			08/12/24 14:47	2

Client Sample Results

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

Job ID: 500-254554-1

Client Sample ID: MW-12

Date Collected: 08/01/24 14:54
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-2

Matrix: Water

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		08/15/24 09:25	08/19/24 18:06	1
Boron	**2.2**		0.25		mg/L		08/15/24 09:25	08/20/24 15:30	5
Barium	**0.15**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:06	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:06	1
Calcium	**180**		0.20		mg/L		08/15/24 09:25	08/19/24 18:06	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:06	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:06	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:06	1
Molybdenum	**0.027**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:06	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:06	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:06	1
Selenium	**0.014**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:06	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:06	1
Lithium	**0.015**		0.010		mg/L		08/15/24 09:25	08/19/24 18:06	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1100**		10		mg/L			08/06/24 01:00	1
Chloride (SM 4500 Cl- E)	**180**	**F1**	10		mg/L			08/08/24 14:26	5
Fluoride (SM 4500 F C)	**0.44**		0.10		mg/L			08/15/24 13:37	1
Sulfate (SM 4500 SO4 E)	**200**		25		mg/L			08/12/24 14:48	5

Client Sample Results

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

Job ID: 500-254554-1

Client Sample ID: 2S/3S Duplicate

Date Collected: 08/01/24 00:00
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0077**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:09	1
Boron	**3.1**		0.25		mg/L		08/15/24 09:25	08/20/24 15:32	5
Barium	**0.15**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:09	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:09	1
Calcium	**110**		0.20		mg/L		08/15/24 09:25	08/19/24 18:09	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:09	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:09	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:09	1
Molybdenum	**0.046**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:09	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:09	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:09	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:09	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:09	1
Lithium	<0.010		0.010		mg/L		08/15/24 09:25	08/19/24 18:09	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**770**		10		mg/L			08/06/24 01:03	1
Chloride (SM 4500 Cl- E)	**120**		10		mg/L			08/08/24 17:44	5
Fluoride (SM 4500 F C)	**0.59**		0.10		mg/L			08/15/24 13:42	1
Sulfate (SM 4500 SO4 E)	**71**		10		mg/L			08/12/24 14:48	2

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

Job ID: 500-254554-1

Client Sample ID: MW-16

Date Collected: 08/01/24 13:08
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:11	1
Boron	**0.83**		0.050		mg/L		08/15/24 09:25	08/20/24 15:34	1
Barium	**0.071**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:11	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:11	1
Calcium	**110**		0.20		mg/L		08/15/24 09:25	08/19/24 18:11	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:11	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:11	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:11	1
Molybdenum	**0.018**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:11	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:11	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:11	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:11	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:11	1
Lithium	**0.014**		0.010		mg/L		08/15/24 09:25	08/19/24 18:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**820**		10		mg/L			08/06/24 01:05	1
Chloride (SM 4500 Cl- E)	**140**		10		mg/L			08/08/24 17:45	5
Fluoride (SM 4500 F C)	**0.35**		0.10		mg/L			08/15/24 13:46	1
Sulfate (SM 4500 SO4 E)	**140**		25		mg/L			08/12/24 15:04	5

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

Job ID: 500-254554-1

Client Sample ID: MW-17

Date Collected: 08/01/24 14:12
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0064**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:18	1
Boron	**2.9**		0.25		mg/L		08/15/24 09:25	08/20/24 15:37	5
Barium	**0.054**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:18	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:18	1
Calcium	**63**		0.20		mg/L		08/15/24 09:25	08/19/24 18:18	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:18	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:18	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:18	1
Molybdenum	**0.13**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:18	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:18	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:18	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:18	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:18	1
Lithium	**0.019**		0.010		mg/L		08/15/24 09:25	08/19/24 18:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**810**		10		mg/L			08/06/24 01:08	1
Chloride (SM 4500 Cl- E)	**120**		10		mg/L			08/08/24 17:45	5
Fluoride (SM 4500 F C)	**0.75**		0.10		mg/L			08/15/24 13:51	1
Sulfate (SM 4500 SO4 E)	**340**		50		mg/L			08/12/24 15:05	10

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

Job ID: 500-254554-1

Client Sample ID: MW-09

Date Collected: 08/05/24 12:47
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0095**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:21	1
Boron	**1.9**		0.25		mg/L		08/15/24 09:25	08/20/24 15:43	5
Barium	**0.042**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:21	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:21	1
Calcium	**45**		0.20		mg/L		08/15/24 09:25	08/19/24 18:21	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:21	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:21	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:21	1
Molybdenum	**0.073**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:21	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:21	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:21	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:21	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:21	1
Lithium	<0.010		0.010		mg/L		08/15/24 09:25	08/19/24 18:21	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**800**		10		mg/L			08/06/24 01:10	1
Chloride (SM 4500 Cl- E)	**200**		10		mg/L			08/08/24 17:45	5
Fluoride (SM 4500 F C)	**0.54**		0.10		mg/L			08/15/24 13:56	1
Sulfate (SM 4500 SO4 E)	**220**		25		mg/L			08/12/24 14:49	5

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

Job ID: 500-254554-1

Client Sample ID: MW-10

Date Collected: 08/05/24 14:03
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0079**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:23	1
Boron	**2.4**		0.25		mg/L		08/15/24 09:25	08/20/24 15:46	5
Barium	**0.070**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:23	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:23	1
Calcium	**89**		0.20		mg/L		08/15/24 09:25	08/19/24 18:23	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:23	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:23	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:23	1
Molybdenum	**0.15**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:23	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:23	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:23	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:23	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:23	1
Lithium	**0.016**		0.010		mg/L		08/15/24 09:25	08/19/24 18:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**850**		10		mg/L			08/06/24 01:13	1
Chloride (SM 4500 Cl- E)	**140**		10		mg/L			08/08/24 17:46	5
Fluoride (SM 4500 F C)	**0.92**		0.10		mg/L			08/15/24 14:01	1
Sulfate (SM 4500 SO4 E)	**310**		50		mg/L			08/12/24 15:05	10

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

Job ID: 500-254554-1

Client Sample ID: MW-05

Date Collected: 08/06/24 15:10
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0015**		0.0010		mg/L		08/15/24 09:25	08/19/24 18:26	1
Boron	**5.2**		0.25		mg/L		08/15/24 09:25	08/20/24 15:48	5
Barium	**0.052**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:26	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:26	1
Calcium	**120**		0.20		mg/L		08/15/24 09:25	08/19/24 18:26	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:26	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:26	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:26	1
Molybdenum	**0.054**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:26	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:26	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:26	1
Selenium	**0.0049**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:26	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:26	1
Lithium	**0.018**		0.010		mg/L		08/15/24 09:25	08/19/24 18:26	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 10:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**1000**		10		mg/L			08/11/24 22:55	1
Chloride (SM 4500 Cl- E)	**31**		2.0		mg/L			08/08/24 16:10	1
Fluoride (SM 4500 F C)	**0.52**		0.10		mg/L			08/15/24 14:06	1
Sulfate (SM 4500 SO4 E)	**420**		50		mg/L			08/12/24 15:05	10

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

Job ID: 500-254554-1

Client Sample ID: MW-06

Date Collected: 08/06/24 10:24
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-9

Matrix: Water

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		08/15/24 09:25	08/19/24 18:35	1
Boron	**2.3**		0.25		mg/L		08/15/24 09:25	08/20/24 15:50	5
Barium	**0.090**		0.0025		mg/L		08/15/24 09:25	08/19/24 18:35	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:35	1
Calcium	**110**		0.20		mg/L		08/15/24 09:25	08/19/24 18:35	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:35	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 18:35	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 18:35	1
Molybdenum	**0.020**		0.0050		mg/L		08/15/24 09:25	08/19/24 18:35	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 18:35	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 18:35	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 18:35	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 18:35	1
Lithium	**0.019**		0.010		mg/L		08/15/24 09:25	08/19/24 18:35	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**580**		10		mg/L			08/11/24 22:57	1
Chloride (SM 4500 Cl- E)	**15**		2.0		mg/L			08/08/24 16:10	1
Fluoride (SM 4500 F C)	**0.38**		0.10		mg/L			08/15/24 14:11	1
Sulfate (SM 4500 SO4 E)	**180**		25		mg/L			08/12/24 14:50	5

Definitions/Glossary

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

Job ID: 500-254554-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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

Metals

Prep Batch: 781599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total Recoverable	Water	3005A	
500-254554-2	MW-12	Total Recoverable	Water	3005A	
500-254554-3	2S/3S Duplicate	Total Recoverable	Water	3005A	
500-254554-4	MW-16	Total Recoverable	Water	3005A	
500-254554-5	MW-17	Total Recoverable	Water	3005A	
500-254554-6	MW-09	Total Recoverable	Water	3005A	
500-254554-7	MW-10	Total Recoverable	Water	3005A	
500-254554-8	MW-05	Total Recoverable	Water	3005A	
500-254554-9	MW-06	Total Recoverable	Water	3005A	
MB 500-781599/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-781599/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 782177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	7470A	
500-254554-2	MW-12	Total/NA	Water	7470A	
500-254554-3	2S/3S Duplicate	Total/NA	Water	7470A	
500-254554-4	MW-16	Total/NA	Water	7470A	
500-254554-5	MW-17	Total/NA	Water	7470A	
500-254554-6	MW-09	Total/NA	Water	7470A	
500-254554-7	MW-10	Total/NA	Water	7470A	
500-254554-8	MW-05	Total/NA	Water	7470A	
500-254554-9	MW-06	Total/NA	Water	7470A	
MB 500-782177/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-782177/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-254554-8 MS	MW-05	Total/NA	Water	7470A	
500-254554-8 MSD	MW-05	Total/NA	Water	7470A	
500-254554-8 DU	MW-05	Total/NA	Water	7470A	

Analysis Batch: 782311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total Recoverable	Water	6020B	781599
500-254554-2	MW-12	Total Recoverable	Water	6020B	781599
500-254554-3	2S/3S Duplicate	Total Recoverable	Water	6020B	781599
500-254554-4	MW-16	Total Recoverable	Water	6020B	781599
500-254554-5	MW-17	Total Recoverable	Water	6020B	781599
500-254554-6	MW-09	Total Recoverable	Water	6020B	781599
500-254554-7	MW-10	Total Recoverable	Water	6020B	781599
500-254554-8	MW-05	Total Recoverable	Water	6020B	781599
500-254554-9	MW-06	Total Recoverable	Water	6020B	781599
MB 500-781599/1-A	Method Blank	Total Recoverable	Water	6020B	781599
LCS 500-781599/2-A	Lab Control Sample	Total Recoverable	Water	6020B	781599

Analysis Batch: 782389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	7470A	782177
500-254554-2	MW-12	Total/NA	Water	7470A	782177
500-254554-3	2S/3S Duplicate	Total/NA	Water	7470A	782177
500-254554-4	MW-16	Total/NA	Water	7470A	782177
500-254554-5	MW-17	Total/NA	Water	7470A	782177
500-254554-6	MW-09	Total/NA	Water	7470A	782177

Metals (Continued)

Analysis Batch: 782389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-7	MW-10	Total/NA	Water	7470A	782177
500-254554-8	MW-05	Total/NA	Water	7470A	782177
500-254554-9	MW-06	Total/NA	Water	7470A	782177
MB 500-782177/12-A	Method Blank	Total/NA	Water	7470A	782177
LCS 500-782177/13-A	Lab Control Sample	Total/NA	Water	7470A	782177
500-254554-8 MS	MW-05	Total/NA	Water	7470A	782177
500-254554-8 MSD	MW-05	Total/NA	Water	7470A	782177
500-254554-8 DU	MW-05	Total/NA	Water	7470A	782177

Analysis Batch: 782541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total Recoverable	Water	6020B	781599
500-254554-2	MW-12	Total Recoverable	Water	6020B	781599
500-254554-3	2S/3S Duplicate	Total Recoverable	Water	6020B	781599
500-254554-4	MW-16	Total Recoverable	Water	6020B	781599
500-254554-5	MW-17	Total Recoverable	Water	6020B	781599
500-254554-6	MW-09	Total Recoverable	Water	6020B	781599
500-254554-7	MW-10	Total Recoverable	Water	6020B	781599
500-254554-8	MW-05	Total Recoverable	Water	6020B	781599
500-254554-9	MW-06	Total Recoverable	Water	6020B	781599

General Chemistry

Analysis Batch: 779992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	SM 2540C	
500-254554-2	MW-12	Total/NA	Water	SM 2540C	
500-254554-3	2S/3S Duplicate	Total/NA	Water	SM 2540C	
500-254554-4	MW-16	Total/NA	Water	SM 2540C	
500-254554-5	MW-17	Total/NA	Water	SM 2540C	
500-254554-6	MW-09	Total/NA	Water	SM 2540C	
500-254554-7	MW-10	Total/NA	Water	SM 2540C	
MB 500-779992/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-779992/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 780589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-254554-2	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-254554-3	2S/3S Duplicate	Total/NA	Water	SM 4500 Cl- E	
500-254554-4	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-254554-5	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-254554-6	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-254554-7	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-254554-8	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-254554-9	MW-06	Total/NA	Water	SM 4500 Cl- E	
MB 500-780589/16	Method Blank	Total/NA	Water	SM 4500 Cl- E	
MB 500-780589/67	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-780589/17	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
LCS 500-780589/68	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-254554-2 MS	MW-12	Total/NA	Water	SM 4500 Cl- E	

General Chemistry (Continued)

Analysis Batch: 780589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-2 MSD	MW-12	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 780826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-8	MW-05	Total/NA	Water	SM 2540C	
500-254554-9	MW-06	Total/NA	Water	SM 2540C	
MB 500-780826/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-780826/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 781040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-254554-2	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-254554-3	2S/3S Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-254554-4	MW-16	Total/NA	Water	SM 4500 SO4 E	
500-254554-5	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-254554-6	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-254554-7	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-254554-8	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-254554-9	MW-06	Total/NA	Water	SM 4500 SO4 E	
MB 500-781040/16	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-781040/17	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 781815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	SM 4500 F C	
500-254554-2	MW-12	Total/NA	Water	SM 4500 F C	
500-254554-3	2S/3S Duplicate	Total/NA	Water	SM 4500 F C	
500-254554-4	MW-16	Total/NA	Water	SM 4500 F C	
500-254554-5	MW-17	Total/NA	Water	SM 4500 F C	
500-254554-6	MW-09	Total/NA	Water	SM 4500 F C	
500-254554-7	MW-10	Total/NA	Water	SM 4500 F C	
500-254554-8	MW-05	Total/NA	Water	SM 4500 F C	
500-254554-9	MW-06	Total/NA	Water	SM 4500 F C	
MB 500-781815/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-781815/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 500-781599/1-A
Matrix: Water
Analysis Batch: 782311

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 781599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 17:31	1
Boron	<0.050		0.050		mg/L		08/15/24 09:25	08/19/24 17:31	1
Barium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 17:31	1
Beryllium	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 17:31	1
Calcium	<0.20		0.20		mg/L		08/15/24 09:25	08/19/24 17:31	1
Cadmium	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 17:31	1
Cobalt	<0.0010		0.0010		mg/L		08/15/24 09:25	08/19/24 17:31	1
Chromium	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 17:31	1
Molybdenum	<0.0050		0.0050		mg/L		08/15/24 09:25	08/19/24 17:31	1
Lead	<0.00050		0.00050		mg/L		08/15/24 09:25	08/19/24 17:31	1
Antimony	<0.0030		0.0030		mg/L		08/15/24 09:25	08/19/24 17:31	1
Selenium	<0.0025		0.0025		mg/L		08/15/24 09:25	08/19/24 17:31	1
Thallium	<0.0020		0.0020		mg/L		08/15/24 09:25	08/19/24 17:31	1
Lithium	<0.010		0.010		mg/L		08/15/24 09:25	08/19/24 17:31	1

Lab Sample ID: LCS 500-781599/2-A
Matrix: Water
Analysis Batch: 782311

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 781599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.0960		mg/L		96	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Barium	0.500	0.489		mg/L		98	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Calcium	10.0	8.34		mg/L		83	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Cobalt	0.500	0.510		mg/L		102	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Molybdenum	1.00	0.946		mg/L		95	80 - 120
Lead	0.100	0.0980		mg/L		98	80 - 120
Antimony	0.500	0.491		mg/L		98	80 - 120
Selenium	0.100	0.0951		mg/L		95	80 - 120
Thallium	0.100	0.101		mg/L		101	80 - 120
Lithium	0.100	0.105		mg/L		105	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-782177/12-A
Matrix: Water
Analysis Batch: 782389

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 782177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/19/24 11:45	08/20/24 09:26	1

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

Lab Sample ID: LCS 500-782177/13-A
Matrix: Water
Analysis Batch: 782389

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 782177

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00200	0.00204		mg/L		102	80 - 120		

Lab Sample ID: 500-254554-8 MS
Matrix: Water
Analysis Batch: 782389

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 782177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00020		0.000999	0.000989		mg/L		99	75 - 125		

Lab Sample ID: 500-254554-8 MSD
Matrix: Water
Analysis Batch: 782389

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 782177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.000999	0.000968		mg/L		97	75 - 125	2	20

Lab Sample ID: 500-254554-8 DU
Matrix: Water
Analysis Batch: 782389

Client Sample ID: MW-05
Prep Type: Total/NA
Prep Batch: 782177

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

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

Lab Sample ID: MB 500-779992/1
Matrix: Water
Analysis Batch: 779992

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			08/06/24 00:14	1

Lab Sample ID: LCS 500-779992/2
Matrix: Water
Analysis Batch: 779992

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	232		mg/L		93	80 - 120		

Lab Sample ID: MB 500-780826/1
Matrix: Water
Analysis Batch: 780826

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			08/11/24 22:32	1

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

Lab Sample ID: LCS 500-780826/2
Matrix: Water
Analysis Batch: 780826

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	240		mg/L		96	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-780589/16
Matrix: Water
Analysis Batch: 780589

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/08/24 13:36	1

Lab Sample ID: MB 500-780589/67
Matrix: Water
Analysis Batch: 780589

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			08/08/24 16:09	1

Lab Sample ID: LCS 500-780589/17
Matrix: Water
Analysis Batch: 780589

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.1		mg/L		96	85 - 115

Lab Sample ID: LCS 500-780589/68
Matrix: Water
Analysis Batch: 780589

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	20.0	19.3		mg/L		96	85 - 115

Lab Sample ID: 500-254554-2 MS
Matrix: Water
Analysis Batch: 780589

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180	F1	100	199	F1	mg/L		14	75 - 125

Lab Sample ID: 500-254554-2 MSD
Matrix: Water
Analysis Batch: 780589

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180	F1	100	194	F1	mg/L		10	75 - 125	2	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-781815/3
Matrix: Water
Analysis Batch: 781815

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			08/15/24 12:36	1

Lab Sample ID: LCS 500-781815/4
Matrix: Water
Analysis Batch: 781815

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	9.52		mg/L		95	90 - 119

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-781040/16
Matrix: Water
Analysis Batch: 781040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			08/12/24 14:32	1

Lab Sample ID: LCS 500-781040/17
Matrix: Water
Analysis Batch: 781040

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	20.0	21.4		mg/L		107	88 - 123

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN JOHN HOWIESON	Lab PM: Mockler, Diana J	Carrier Tracking No(s)	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630-290-6850	E Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1 of 1 254554
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: ~~500-254463~~
Address: 414 Plaza Drive Suite 106	Due Date Requested:			Preservation Codes: D HNO3, N None SS 8/5/24
City: Westmont	TAT Requested (days):			
State Zip: IL, 60559 (500-254554 COC)	Compliance Project. Δ Yes Δ No			
Phone	PO #: 4502116506			
Email: tims@kprginc com	WO #:			
Project Name: Will County 2S/3S Event Desc Quarterly GW Monitoring CCR	Project #: 50011609			
Site: Illinois	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
MW-05	—	—	—	Water							
MW-06	—	—	—	Water							
MW-09	—	—	—	Water							
MW-10	—	—	—	Water							
MW-11	8-1-24	11:47	G	Water	N	N	X	X	X	5	
MW-12	8-1-24	14:54	G	Water	N	N	X	X	X	5	
2S/3S Duplicate	8-1-24	—	G	Water	N	N	X	X	X	5	
MW-16	8-1-24	13:08	G	Water	N	N	X	X	X	5	
MW-17	8-1-24	14:12	G	Water	N	N	X	X	X	5	

1 2 3 4 5 ~~7 8 9 10 11~~ SS 8/5/24

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: [signature]	Date/Time: 8-2-24 11:05	Company: KPRG	Received by: [signature]	Date/Time: 8/2/24 1105	Company: EETA
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.3→2.2, 2.9→2.8, 4.8→4.7

Ver: 04/02/2024

8/21/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN JOHN HOWIESON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630 290 6850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc	PWSID:	Analysis Requested		Job #: 500-254554
Address: 414 Plaza Drive Suite 106	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Westmont	TAT Requested (days):			
State, Zip: IL, 60559	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: tims@kprginc.com	WO #:			
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring CCR	Project #: 50011609			
Site: Illinois	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	B	N		
MW-05	—	—	—	Water							
MW-06	—	—	—	Water							
MW-09	8-5-24	12:47	G	Water	N	N	X	X	X	5	
MW-10	8-5-24	14:03	G	Water	N	N	X	X	X	5	
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)
☐ 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	Date/Time:	Company	Received by	Date/Time:	Company
	[signature]	8-5-24 16:27	KPRG	[signature]	8/5/24 1627	EBTA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.
		2.3-2.2

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN JOHN HOWICSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630-290-6850	E-Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	**Analysis Requested**		Job #: 500-254554
Address: 414 Plaza Drive Suite 106	Due Date Requested:			Preservation Codes: D - HNO3, N - None
City: Westmont (500-254554 COC)	TAT Requested (days):			
State, Zip: IL, 60559	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: tims@kprginc.com	WO #:			
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring CCR	Project #: 50011609			
Site: Illinois	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
MW-05	8-6-24	15:10	G	Water	N	N	X	X	X	5	
MW-06	8-6-24	10:24	G	Water	N	N	X	X	X	5	
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)
☐ 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	Date/Time	Company	Received by	Date/Time	Company
[signature]	8-7-24 08:40	KPRG	[signature]	8/7/24 0840	EETA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.8-7.3, 2.1, 2.6-7.2.5

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-254554-1

Login Number: 254554
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,2.8,4.7,2.2,3.7,2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

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

Job ID: 500-254554-1

Client Sample ID: MW-11
Date Collected: 08/01/24 11:47
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:04
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:27
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:31
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 00:57
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 14:26
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:33
Total/NA	Analysis	SM 4500 SO4 E		2	781040	TR	EET CHI	08/12/24 14:47

Client Sample ID: MW-12
Date Collected: 08/01/24 14:54
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:06
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:30
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:33
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:00
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 14:26
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:37
Total/NA	Analysis	SM 4500 SO4 E		5	781040	TR	EET CHI	08/12/24 14:48

Client Sample ID: 2S/3S Duplicate
Date Collected: 08/01/24 00:00
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:09
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:32
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:35
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:03
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 17:44
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:42
Total/NA	Analysis	SM 4500 SO4 E		2	781040	TR	EET CHI	08/12/24 14:48

Lab Chronicle

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

Job ID: 500-254554-1

Client Sample ID: MW-16

Date Collected: 08/01/24 13:08
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:11
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782541	RN	EET CHI	08/20/24 15:34
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:37
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:05
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 17:45
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:46
Total/NA	Analysis	SM 4500 SO4 E		5	781040	TR	EET CHI	08/12/24 15:04

Client Sample ID: MW-17

Date Collected: 08/01/24 14:12
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:18
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:37
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:39
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:08
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 17:45
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:51
Total/NA	Analysis	SM 4500 SO4 E		10	781040	TR	EET CHI	08/12/24 15:05

Client Sample ID: MW-09

Date Collected: 08/05/24 12:47
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:21
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:43
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:41
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:10
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 17:45
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 13:56
Total/NA	Analysis	SM 4500 SO4 E		5	781040	TR	EET CHI	08/12/24 14:49

Lab Chronicle

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

Job ID: 500-254554-1

Client Sample ID: MW-10

Date Collected: 08/05/24 14:03
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:23
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:46
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 09:43
Total/NA	Analysis	SM 2540C		1	779992	CLB	EET CHI	08/06/24 01:13
Total/NA	Analysis	SM 4500 Cl- E		5	780589	TR	EET CHI	08/08/24 17:46
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:01
Total/NA	Analysis	SM 4500 SO4 E		10	781040	TR	EET CHI	08/12/24 15:05

Client Sample ID: MW-05

Date Collected: 08/06/24 15:10
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:26
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:48
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 10:03
Total/NA	Analysis	SM 2540C		1	780826	CLB	EET CHI	08/11/24 22:55
Total/NA	Analysis	SM 4500 Cl- E		1	780589	TR	EET CHI	08/08/24 16:10
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:06
Total/NA	Analysis	SM 4500 SO4 E		10	781040	TR	EET CHI	08/12/24 15:05

Client Sample ID: MW-06

Date Collected: 08/06/24 10:24
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		1	782311	RN	EET CHI	08/19/24 18:35
Total Recoverable	Prep	3005A			781599	BDE	EET CHI	08/15/24 09:25 - 08/15/24 15:25 [1]
Total Recoverable	Analysis	6020B		5	782541	RN	EET CHI	08/20/24 15:50
Total/NA	Prep	7470A			782177	MJG	EET CHI	08/19/24 11:45 - 08/19/24 13:45 [1]
Total/NA	Analysis	7470A		1	782389	MJG	EET CHI	08/20/24 10:28
Total/NA	Analysis	SM 2540C		1	780826	CLB	EET CHI	08/11/24 22:57
Total/NA	Analysis	SM 4500 Cl- E		1	780589	TR	EET CHI	08/08/24 16:10
Total/NA	Analysis	SM 4500 F C		1	781815	SO	EET CHI	08/15/24 14:11
Total/NA	Analysis	SM 4500 SO4 E		5	781040	TR	EET CHI	08/12/24 14:50

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

Lab Chronicle

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

Job ID: 500-254554-1

Laboratory References:

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/5/2024 12:47:59 PM

JOB DESCRIPTION

Will County CCR (RAD)

JOB NUMBER

500-254554-2

Eurofins Chicago
2417 Bond Street
University Park IL 60484

See page two for job notes and contact information.

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Job Notes

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Authorization

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

Table of Contents

Job ID: 500-254554-2 — Eurofins Chicago

Job Narrative
500-254554-2

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Receipt
The samples were received on 8/2/2024 11:05 AM, 8/5/2024 4:27 PM and 8/7/2024 8:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.2°C, 2.2°C, 2.5°C, 2.8°C, 3.7°C and 4.7°C.

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

Method Summary

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

Job ID: 500-254554-2

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: 500-254554-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-254554-1	MW-11	Water	08/01/24 11:47	08/02/24 11:05
500-254554-2	MW-12	Water	08/01/24 14:54	08/02/24 11:05
500-254554-3	2S/3S Duplicate	Water	08/01/24 00:00	08/02/24 11:05
500-254554-4	MW-16	Water	08/01/24 13:08	08/02/24 11:05
500-254554-5	MW-17	Water	08/01/24 14:12	08/02/24 11:05
500-254554-6	MW-09	Water	08/05/24 12:47	08/05/24 16:27
500-254554-7	MW-10	Water	08/05/24 14:03	08/05/24 16:27
500-254554-8	MW-05	Water	08/06/24 15:10	08/07/24 08:40
500-254554-9	MW-06	Water	08/06/24 10:24	08/07/24 08:40

Client Sample ID: MW-11

Date Collected: 08/01/24 11:47
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-1

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.287		0.0982	0.102	1.00	0.0930	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*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	1.26		0.480	0.494	1.00	0.586	pCi/L	08/06/24 17:02	08/14/24 12:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.7*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*1*
Y Carrier	*77.8*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:58*	*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	1.55		0.490	0.504	5.00	0.586	pCi/L		09/05/24 10:20	1

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

Job ID: 500-254554-2

Client Sample ID: MW-12

Date Collected: 08/01/24 14:54
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-2

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0186	U	0.0476	0.0477	1.00	0.0892	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*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	0.518	U	0.408	0.410	1.00	0.629	pCi/L	08/06/24 17:02	08/14/24 12:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*91.6*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*
Y Carrier	*77.8*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.537	U	0.411	0.413	5.00	0.629	pCi/L		09/05/24 10:20	1

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

Job ID: 500-254554-2

Client Sample ID: 2S/3S Duplicate
Date Collected: 08/01/24 00:00
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-3
Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.330**		0.103	0.107	1.00	0.0871	pCi/L	08/06/24 16:56	08/29/24 15:56	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:56*	*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	0.572	U	0.423	0.426	1.00	0.646	pCi/L	08/06/24 17:02	08/14/24 12:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*90.2*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*
Y Carrier	*81.5*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.902**		0.435	0.439	5.00	0.646	pCi/L		09/05/24 10:20	1

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

Job ID: 500-254554-2

Client Sample ID: MW-16

Date Collected: 08/01/24 13:08
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-4

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.732		0.147	0.161	1.00	0.0870	pCi/L	08/06/24 16:56	08/29/24 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:58*	*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	1.14		0.467	0.478	1.00	0.594	pCi/L	08/06/24 17:02	08/14/24 12:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*89.4*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*
Y Carrier	*81.1*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.87		0.490	0.504	5.00	0.594	pCi/L		09/05/24 10:20	1

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

Job ID: 500-254554-2

Client Sample ID: MW-17

Date Collected: 08/01/24 14:12
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-5

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.333**		0.0992	0.104	1.00	0.0787	pCi/L	08/06/24 16:56	08/29/24 15:58	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:58*	*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	0.264	U	0.339	0.340	1.00	0.565	pCi/L	08/06/24 17:02	08/14/24 12:59	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*95.3*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*
Y Carrier	*79.6*		*30 - 110*	*08/06/24 17:02*	*08/14/24 12:59*	*1*

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

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	**0.597**		0.353	0.356	5.00	0.565	pCi/L		09/05/24 10:20	1

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

Job ID: 500-254554-2

Client Sample ID: MW-09

Date Collected: 08/05/24 12:47
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-6

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	0.129		0.0684	0.0694	1.00	0.0746	pCi/L	08/08/24 07:47	09/03/24 14:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*30 - 110*	*08/08/24 07:47*	*09/03/24 14:50*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.256	U	0.345	0.346	1.00	0.578	pCi/L	08/08/24 07:52	08/16/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*85.7*		*30 - 110*	*08/08/24 07:52*	*08/16/24 11:50*	*1*
Y Carrier	*84.9*		*30 - 110*	*08/08/24 07:52*	*08/16/24 11:50*	*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	0.385	U	0.352	0.353	5.00	0.578	pCi/L		09/05/24 10:11	1

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

Job ID: 500-254554-2

Client Sample ID: MW-10

Date Collected: 08/05/24 14:03
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-7

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.164		0.0822	0.0835	1.00	0.101	pCi/L	08/08/24 07:47	09/03/24 14:53	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/08/24 07:47*	*09/03/24 14:53*	*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	0.489		0.320	0.323	1.00	0.472	pCi/L	08/08/24 07:52	08/16/24 11:50	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*93.4*		*30 - 110*	*08/08/24 07:52*	*08/16/24 11:50*	*1*
Y Carrier	*86.4*		*30 - 110*	*08/08/24 07:52*	*08/16/24 11:50*	*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	0.653		0.330	0.334	5.00	0.472	pCi/L		09/05/24 10:11	1

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

Job ID: 500-254554-2

Client Sample ID: MW-05

Date Collected: 08/06/24 15:10
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-8

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	0.0820	U	0.0762	0.0766	1.00	0.118	pCi/L	08/09/24 08:06	09/03/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*08/09/24 08:06*	*09/03/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.510	U	0.397	0.400	1.00	0.608	pCi/L	08/09/24 08:14	08/20/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*86.2*		*30 - 110*	*08/09/24 08:14*	*08/20/24 12:14*	*1*
Y Carrier	*71.0*		*30 - 110*	*08/09/24 08:14*	*08/20/24 12:14*	*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	0.592	U	0.404	0.407	5.00	0.608	pCi/L		09/05/24 10:20	1

Client Sample ID: MW-06

Date Collected: 08/06/24 10:24
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	**0.188**		0.0839	0.0856	1.00	0.0903	pCi/L	08/09/24 08:06	09/03/24 23:10	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*08/09/24 08:06*	*09/03/24 23:10*	*1*

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.399	U	0.346	0.348	1.00	0.539	pCi/L	08/09/24 08:14	08/20/24 12:14	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*88.5*		*30 - 110*	*08/09/24 08:14*	*08/20/24 12:14*	*1*
Y Carrier	*74.8*		*30 - 110*	*08/09/24 08:14*	*08/20/24 12:14*	*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	**0.587**		0.356	0.358	5.00	0.539	pCi/L		09/05/24 10:20	1

Definitions/Glossary

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

Job ID: 500-254554-2

Qualifiers

Rad

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

Glossary

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

Rad

Prep Batch: 674048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	PrecSep-21	
500-254554-2	MW-12	Total/NA	Water	PrecSep-21	
500-254554-3	2S/3S Duplicate	Total/NA	Water	PrecSep-21	
500-254554-4	MW-16	Total/NA	Water	PrecSep-21	
500-254554-5	MW-17	Total/NA	Water	PrecSep-21	
MB 160-674048/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674048/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 674049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-1	MW-11	Total/NA	Water	PrecSep_0	
500-254554-2	MW-12	Total/NA	Water	PrecSep_0	
500-254554-3	2S/3S Duplicate	Total/NA	Water	PrecSep_0	
500-254554-4	MW-16	Total/NA	Water	PrecSep_0	
500-254554-5	MW-17	Total/NA	Water	PrecSep_0	
MB 160-674049/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674049/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 674253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-6	MW-09	Total/NA	Water	PrecSep-21	
500-254554-7	MW-10	Total/NA	Water	PrecSep-21	
MB 160-674253/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674253/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 674254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-6	MW-09	Total/NA	Water	PrecSep_0	
500-254554-7	MW-10	Total/NA	Water	PrecSep_0	
MB 160-674254/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674254/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 674443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-8	MW-05	Total/NA	Water	PrecSep-21	
500-254554-9	MW-06	Total/NA	Water	PrecSep-21	
MB 160-674443/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674443/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 674444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-254554-8	MW-05	Total/NA	Water	PrecSep_0	
500-254554-9	MW-06	Total/NA	Water	PrecSep_0	
MB 160-674444/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674444/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674048/1-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674048

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01755	U	0.0410	0.0411	1.00	0.0768	pCi/L	08/06/24 16:56	08/29/24 15:54	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*98.5*		*30 - 110*	*08/06/24 16:56*	*08/29/24 15:54*	*1*

Lab Sample ID: LCS 160-674048/2-A
Matrix: Water
Analysis Batch: 677217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674048

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	9.436		0.982	1.00	0.0766	pCi/L	99	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*95.6*		*30 - 110*

Lab Sample ID: MB 160-674253/1-A
Matrix: Water
Analysis Batch: 677423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674253

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04662	U	0.0624	0.0626	1.00	0.105	pCi/L	08/08/24 07:47	08/30/24 17:51	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Ba Carrier	*94.8*		*30 - 110*	*08/08/24 07:47*	*08/30/24 17:51*	*1*

Lab Sample ID: LCS 160-674253/2-A
Matrix: Water
Analysis Batch: 677423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674253

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	10.16		1.05	1.00	0.0926	pCi/L	106	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Ba Carrier	*94.1*		*30 - 110*

Lab Sample ID: MB 160-674443/1-A
Matrix: Water
Analysis Batch: 677928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674443

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.01754	U	0.0406	0.0407	1.00	0.0931	pCi/L	08/09/24 08:06	09/03/24 20:26	1

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

Lab Sample ID: MB 160-674443/1-A
Matrix: Water
Analysis Batch: 677928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674443

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	08/09/24 08:06	09/03/24 20:26	1

Lab Sample ID: LCS 160-674443/2-A
Matrix: Water
Analysis Batch: 677928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674443

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226			9.58	7.362		0.785	1.00	0.0920	pCi/L	77	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	105		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-674049/1-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674049

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5494		0.365	0.369	1.00	0.543	pCi/L	08/06/24 17:02	08/14/24 12:57	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110	08/06/24 17:02	08/14/24 12:57	1
Y Carrier	84.1		30 - 110	08/06/24 17:02	08/14/24 12:57	1

Lab Sample ID: LCS 160-674049/2-A
Matrix: Water
Analysis Batch: 674941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674049

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.68	10.40		1.43	1.00	0.649	pCi/L	120	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.6		30 - 110
Y Carrier	83.0		30 - 110

Lab Sample ID: MB 160-674254/1-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674254

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3593	U	0.420	0.421	1.00	0.691	pCi/L	08/08/24 07:52	08/16/24 11:48	1

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

Lab Sample ID: MB 160-674254/1-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674254

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110	08/08/24 07:52	08/16/24 11:48	1
Y Carrier	68.8		30 - 110	08/08/24 07:52	08/16/24 11:48	1

Lab Sample ID: LCS 160-674254/2-A
Matrix: Water
Analysis Batch: 675292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674254

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.60	9.886		1.31	1.00	0.502	pCi/L	115	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.1		30 - 110
Y Carrier	86.0		30 - 110

Lab Sample ID: MB 160-674444/1-A
Matrix: Water
Analysis Batch: 675777

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674444

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.6358		0.348	0.353	1.00	0.485	pCi/L	08/09/24 08:14	08/20/24 12:13	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110	08/09/24 08:14	08/20/24 12:13	1
Y Carrier	74.4		30 - 110	08/09/24 08:14	08/20/24 12:13	1

Lab Sample ID: LCS 160-674444/2-A
Matrix: Water
Analysis Batch: 675777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674444

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228			8.58	9.222		1.24	1.00	0.465	pCi/L	107	75 - 125		

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	105		30 - 110
Y Carrier	78.1		30 - 110

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN SOTH HOWIESON	Lab PM: Mockler, Diana J	Carrier Tracking No(s)	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630-290-6850	E Mail: Diana Mockler@et.eurofinsus com	State of Origin:	Page: Page 1 of 1 254554
Company: KPRG and Associates, Inc.	PWSID:			Job #: 500-254554
Address: 414 Plaza Drive Suite 106	Due Date Requested			Preservation Codes: D HNO3 N None SS 8/5/24
City: Westmont	TAT Requested (days)			
State, Zip: IL, 60559	Compliance Project: Δ Yes Δ No			
Phone	PO #: 4502116506			
Email: tims@kprginc com	WO #:			
Project Name: Will County 2S/3S Event Desc Quarterly GW Monitoring CCR	Project #: 50011609			
Site: Illinois	SSOW#:			Other.

500-254554 COC

Analysis Requested

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	N		
MW-05	—	—	—	Water							
MW-06	—	—	—	Water							
MW-09	—	—	—	Water							
MW-10	—	—	—	Water							
MW-11	8-1-24	11:47	G	Water	N	N	X	X	X	5	
MW-12	8-1-24	14:54	G	Water	N	N	X	X	X	5	
2S/3S Duplicate	8-1-24	—	G	Water	N	N	X	X	X	5	
MW-16	8-1-24	13-08	G	Water	N	N	X	X	X	5	
MW-17	8-1-24	14:12	G	Water	N	N	X	X	X	5	

15 20 3 4 5 6 SS 8/5/24

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	Date/Time	Company	Received by	Date/Time	Company
[signature]	8-2-24 11:05	KPRG	[signature]	8/2/24 1105	EEA
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 23→22.29→28.48→47

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN JOHN HOWIESON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630 290 6850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc	PWSID:	Analysis Requested		Job #: 500-254554
Address: 414 Plaza Drive Suite 106	Due Date Requested:			Preservation Codes: D - HNO3 N - None
City: Westmont	TAT Requested (days):			
State, Zip: IL, 60559	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: tims@kprginc.com	WO #:			
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring CCR	Project #: 50011609			
Site: Illinois	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	903.0, 904.0	6010C, 6020A, 7470A	2540C, 4500_F_C, SM4500_Cl_E, SM4500_SO4_E	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	B	N		
MW-05				Water							
MW-06				Water							
MW-09	8-5-24	12:47	G	Water	N	N	X	X	X	5	
MW-10	8-5-24	14:03	G	Water	N	N	X	X	X	5	
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)
☐ 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:	Date/Time:	Company	Received by:	Date/Time:	Company
		8-5-24 16:27	KPRG		8/5/24 1627	EBTA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2.3-2.2

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: IAN JOHNSON	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-126447-48726 1
Client Contact: Mr Tim Stohner	Phone: 630-290-6850	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: KPRG and Associates, Inc.	PWSID:	Analysis Requested		Job #: 500-254554
Address: 414 Plaza Drive Suite 106	Due Date Requested:			Preservation Codes: D - HNO3, N - None
City: Westmont	TAT Requested (days):			
State, Zip: IL, 60559	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4502116506			
Email: tims@kprginc.com	WO #:			
Project Name: Will County 2S/3S Event Desc: Quarterly GW Monitoring CCR	Project #: 50011609			Other:
Site: Illinois	SSOW#:			

500-254554 COC

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	B	N	X	
MW-05	8-6-24	15:10	G	Water	N	N	X	X	X	5	
MW-06	8-6-24	10:24	G	Water	N	N	X	X	X	5	
MW-09	—	—	—	Water							
MW-10	—	—	—	Water							
MW-11	—	—	—	Water							
MW-12	—	—	—	Water							
2S/3S Duplicate	—	—	—	Water							
MW-16	—	—	—	Water							
MW-17	—	—	—	Water							

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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:	Date/Time:	Company	Received by:	Date/Time:	Company
		8-7-24 08:40	KPRG		8/7/24 0840	EET
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
		2.8-73.7,26-725

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-191310.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254554-2
Address: 13715 Rider Trail North,	Due Date Requested: 9/3/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	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/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-09 (500-254554-6)	8/5/24	12:47 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-10 (500-254554-7)	8/5/24	14:03 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Preservation Codes: -

Other:

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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	8/6/24 1315		Sierra Worthington	AUG 07 2024 0840	ETAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Mockler, Diana J	Carrier Tracking No(s):	COC No: 500-191387.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Diana.Mockler@et.eurofinsus.com	State of Origin: Illinois	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Illinois		Job #: 500-254554-1
Address: 13715 Rider Trail North,	Due Date Requested: 8/23/2024			
City: Earth City	TAT Requested (days):			
State, Zip: MO, 63045				
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	PO #:			
Email:	WO #:			
Project Name: Will County CCR	Project #: 50011609			
Site: NRG Midwest Generation Will County	SSOW#:			

Sample Identification - Client ID (Lab ID)	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/PrecSep_21 Standard Target List	904.0/PrecSep_0 Standard Target List	Ra226Ra228_GFPC	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-05 (500-254554-8)	8/6/24	15:10 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;
MW-06 (500-254554-9)	8/6/24	10:24 Central		Water			X	X	X	3	Batch QC must be performed (dup, spikes, etc) - no NCMs concerning limited volume;

Analysis Requested

Preservation Codes:

Other:

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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Chicago laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chicago attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Chicago.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	08/02/24 1435	EETA			
2	Relinquished by:	Date/Time:	Company	Received by: M. Pinette	Date/Time: AUG 08 2024 0820	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-254554-2

Login Number: 254554
List Number: 1
Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2,2.8,4.7,2.2,3.7,2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-254554-2

Login Number: 254554
List Number: 2
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 08/06/24 09:01 AM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-254554-2

Login Number: 254554
List Number: 3
Creator: Worthington, Sierra M

List Source: Eurofins St. Louis
List Creation: 08/07/24 12:35 PM

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

Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-254554-2

Login Number: 254554
List Number: 4
Creator: Pinette, Meadow L

List Source: Eurofins St. Louis
List Creation: 08/08/24 11:40 AM

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

Lab Chronicle

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

Job ID: 500-254554-2

Client Sample ID: MW-11
Date Collected: 08/01/24 11:47
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:58
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Client Sample ID: MW-12
Date Collected: 08/01/24 14:54
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:59
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Client Sample ID: 2S/3S Duplicate
Date Collected: 08/01/24 00:00
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:56
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:59
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Client Sample ID: MW-16
Date Collected: 08/01/24 13:08
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:58
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:59
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Lab Chronicle

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

Job ID: 500-254554-2

Client Sample ID: MW-17
Date Collected: 08/01/24 14:12
Date Received: 08/02/24 11:05

Lab Sample ID: 500-254554-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674048	MLT	EET SL	08/06/24 16:56
Total/NA	Analysis	903.0		1	677217	FLC	EET SL	08/29/24 15:58
Total/NA	Prep	PrecSep_0			674049	MLT	EET SL	08/06/24 17:02
Total/NA	Analysis	904.0		1	674941	SCB	EET SL	08/14/24 12:59
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Client Sample ID: MW-09
Date Collected: 08/05/24 12:47
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674253	MLT	EET SL	08/08/24 07:47
Total/NA	Analysis	903.0		1	677738	SWS	EET SL	09/03/24 14:50
Total/NA	Prep	PrecSep_0			674254	MLT	EET SL	08/08/24 07:52
Total/NA	Analysis	904.0		1	675292	SWS	EET SL	08/16/24 11:50
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:11

Client Sample ID: MW-10
Date Collected: 08/05/24 14:03
Date Received: 08/05/24 16:27

Lab Sample ID: 500-254554-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674253	MLT	EET SL	08/08/24 07:47
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 14:53
Total/NA	Prep	PrecSep_0			674254	MLT	EET SL	08/08/24 07:52
Total/NA	Analysis	904.0		1	675292	SWS	EET SL	08/16/24 11:50
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:11

Client Sample ID: MW-05
Date Collected: 08/06/24 15:10
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674443	BMW	EET SL	08/09/24 08:06
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 23:10
Total/NA	Prep	PrecSep_0			674444	BMW	EET SL	08/09/24 08:14
Total/NA	Analysis	904.0		1	675777	CMM	EET SL	08/20/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

Lab Chronicle

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

Job ID: 500-254554-2

Client Sample ID: MW-06

Date Collected: 08/06/24 10:24
Date Received: 08/07/24 08:40

Lab Sample ID: 500-254554-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	PrecSep-21			674443	BMW	EET SL	08/09/24 08:06
Total/NA	Analysis	903.0		1	677741	SCB	EET SL	09/03/24 23:10
Total/NA	Prep	PrecSep_0			674444	BMW	EET SL	08/09/24 08:14
Total/NA	Analysis	904.0		1	675777	CMM	EET SL	08/20/24 12:14
Total/NA	Analysis	Ra226_Ra228		1	677882	FLC	EET SL	09/05/24 10:20

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: 500-254554-2

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)
500-254554-1	MW-11	90.7
500-254554-2	MW-12	91.6
500-254554-3	2S/3S Duplicate	90.2
500-254554-4	MW-16	89.4
500-254554-5	MW-17	95.3
500-254554-6	MW-09	85.7
500-254554-7	MW-10	93.4
500-254554-8	MW-05	86.2
500-254554-9	MW-06	88.5
LCS 160-674048/2-A	Lab Control Sample	95.6
LCS 160-674253/2-A	Lab Control Sample	94.1
LCS 160-674443/2-A	Lab Control Sample	105
MB 160-674048/1-A	Method Blank	98.5
MB 160-674253/1-A	Method Blank	94.8
MB 160-674443/1-A	Method Blank	101

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water — **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits) Ba (30-110)	Y (30-110)
500-254554-1	MW-11	90.7	77.8
500-254554-2	MW-12	91.6	77.8
500-254554-3	2S/3S Duplicate	90.2	81.5
500-254554-4	MW-16	89.4	81.1
500-254554-5	MW-17	95.3	79.6
500-254554-6	MW-09	85.7	84.9
500-254554-7	MW-10	93.4	86.4
500-254554-8	MW-05	86.2	71.0
500-254554-9	MW-06	88.5	74.8
LCS 160-674049/2-A	Lab Control Sample	95.6	83.0
LCS 160-674254/2-A	Lab Control Sample	94.1	86.0
LCS 160-674444/2-A	Lab Control Sample	105	78.1
MB 160-674049/1-A	Method Blank	98.5	84.1
MB 160-674254/1-A	Method Blank	94.8	68.8
MB 160-674444/1-A	Method Blank	101	74.4

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	8-6-24
Sample Name	MW-05	Start Time	14:55	
Condition of Well	GOOD			
Water Level	10.67	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	1.75 Gals.	W L at Sample Time	10.67	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	15:10	
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)
14:58	10.68	7.02	18.5	1.322	6.47	189.1	2.27
15:01	10.69	6.84	17.8	1.244	6.21	199.3	1.61
15:04	10.67	6.75	16.8	1.195	3.11	206.9	0.39
15:07	10.69	6.73	16.7	1.190	2.29	210.4	0.33
15:10	10.67	6.72	16.7	1.190	2.22	211.3	0.31

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	8-6-24
Sample Name	MW-06	Start Time	10:06	
Condition of Well	GOOD			
Water Level	12.06	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.25 QTS.	W L at Sample Time	12.12	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	10:24	
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)
10:09	12.11	7.49	20.7	0.980	5.94	12.0	1.62
10:12	12.13	7.38	17.4	0.773	3.61	-20.5	1.36
10:15	12.15	7.35	17.1	0.756	2.88	-36.9	1.44
10:18	12.16	7.34	17.0	0.750	2.26	-45.1	1.39
10:21	12.14	7.34	17.3	0.751	2.06	-48.4	1.46
10:24	12.12	7.34	17.6	0.754	2.03	-49.7	1.49

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	8-5-24
Sample Name	MW-09	Start Time	12:29	
Condition of Well	GOOD			
Water Level	11.57	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.25 QTS	W L at Sample Time	11.85	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR + CCR (IN/IS 25/35)	Sample Time	12:47	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
12:32	11.63	7.83	23.0	1.565	6.88	-48.3	3.29
12:35	11.82	8.17	20.0	1.451	3.33	-55.4	2.54
12:38	11.85	8.53	19.2	1.433	2.02	-61.2	2.96
12:41	11.86	8.63	18.9	1.427	1.36	-62.6	3.01
12:44	11.86	8.69	18.7	1.426	0.92	-65.2	2.82
12:47	11.85	8.71	18.7	1.424	0.87	-66.5	2.67

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	8-5-24
Sample Name	MW-10	Start Time	13:48	
Condition of Well	GOOD			
Water Level	10.31	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.0 QTS	W L at Sample Time	10.41	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCA + CCR	Sample Time	14:03	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
13:51	10.42	7.40	17.1	1.377	2.65	-33.7	5.02
13:54	10.49	7.42	17.0	1.370	1.02	-63.8	4.35
13:57	10.44	7.42	18.8	1.416	0.73	-76.1	3.49
14:00	10.42	7.43	18.8	1.424	0.53	-82.5	3.75
14:03	10.41	7.43	18.4	1.412	0.47	-83.7	3.98

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE	8-1-24
Sample Name	MW-11	Start Time	11:29	
Condition of Well	GOOD			
Water Level	9.76	Total Depth	—	
Well Diameter	PVC – 2 inch	Volume in Well	—	
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR	
Volume Removed	2.25 GAL	W L at Sample Time	9.92	
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR	
Sample Analysis	CCR + CCR DUP 2S/3S	Sample Time	11:47	
Water Quality Meter	YSI ProDss			

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
11:32	9.93	7.73	19.5	0.930	6.65	73.8	10.90
11:35	10.06	7.84	18.2	0.901	3.41	-15.9	10.06
11:38	10.03	7.86	16.5	0.865	1.09	-48.0	11.74
11:41	9.97	7.81	17.0	0.872	0.64	-58.9	11.62
11:44	9.95	7.74	18.0	0.893	0.45	-62.5	12.81
11:47	9.92	7.70	18.8	0.911	0.41	-63.2	13.58

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates

PROJECT NAME	NRG – WILL COUNTY STATION (12313.3)		DATE 8-1-24
Sample Name	MW-12	Start Time	14:36
Condition of Well	GOOD		
Water Level	10.15	Total Depth	—
Well Diameter	PVC – 2 inch	Volume in Well	—
Method of Purge	Low-Flow	Purge Characteristics	COLORLESS SLIGHT ODOR
Volume Removed	2.75 GAL	W L at Sample Time	10.18
Method of Sample	Low-Flow	Sample Characteristics	APPEARS CLEAR
Sample Analysis	CCR	Sample Time	14:54
Water Quality Meter	YSI ProDss		

Time	Depth to Water (ft)	ph (SU)	Temp (°C)	Spec. Cond (mS/cm).	DO (mg/L)	ORP (mV)	Turbidity (NTU)
14:39	10.22	7.81	18.6	1.297	4.75	125.6	3.28
14:42	10.22	7.71	17.8	1.308	2.77	141.8	3.37
14:45	10.20	7.67	17.4	1.305	1.64	154.4	3.36
14:48	10.20	7.66	16.9	1.294	0.96	161.3	3.70
14:51	10.18	7.66	16.7	1.283	0.61	164.8	3.88
14:54	10.18	7.66	16.8	1.276	0.47	166.5	4.12

SAMPLING NOTES:

Sampler Name and Company: KPRG and Associates