

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF: )  
 ) AS 2021-003  
PETITION OF MIDWEST )  
GENERATION, LLC FOR AN )  
ADJUSTED STANDARD FROM ) (Adjusted Standard)  
845.740(a) AND FINDING OF )  
INAPPLICABILITY OF PART 845 FOR )  
THE WAUKEGAN STATION )

**NOTICE OF FILING**

To: See attached Service List

PLEASE TAKE NOTICE that I have today electronically filed with the Office of the Clerk of the Pollution Control Board Midwest Generation, LLC's Response to the Board's Pre-Filed Questions 5 and 6 for the Waukegan Station Petition for Adjusted Standard, a copy of which is herewith served upon you.

Dated: April 3, 2024

MIDWEST GENERATION, LLC

By:     /s/Kristen L. Gale    

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**CERTIFICATE OF SERVICE**

The undersigned, an attorney, certifies that a true copy of the foregoing Notice of Filing and Midwest Generation, LLC's Midwest Generation, LLC's Response to the Board's Pre-Filed Questions 5 and 6 for the Waukegan Station Petition for Adjusted Standard was electronically filed on April 3, 2024 with the following:

Don Brown, Clerk of the Board  
Illinois Pollution Control Board  
60 E. Van Buren Street, Suite 630  
Chicago, IL 60605  
[don.brown@illinois.gov](mailto:don.brown@illinois.gov)

and that copies were sent via e-mail on April 3, 2024 to the parties on the service list.

Dated: April 3, 2024

/s/Kristen L. Gale

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Susan M. Franzetti  
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 )

**MIDWEST GENERATION, LLC'S RESPONSE TO THE BOARD'S PRE-FILED  
QUESTIONS 5 AND 6 FOR THE WAUKEGAN STATION  
PETITION FOR ADJUSTED STANDARD**

Midwest Generation, LLC ("MWG") responded to the Illinois Pollution Control Board's ("Board") pre-filed questions via testimony at the February 13 and 14 hearing for the Petition for Adjusted Standard at the Waukegan Station. For questions 5 and 6, the Board requested groundwater data for monitoring wells upgradient and downgradient of the Grassy Field, and groundwater data for constituents levels in 845.600(a)(i), including lithium and molybdenum. PCB21-3, Board Questions, Feb. 7, 2024. Due to the volume of groundwater data, MWG received clarification from the Board that it was seeking the groundwater data of total metals form 2015 to present. (PCB21-3 Hr. Tr. Feb. 13, 2024, p. 294:6-295:8). It is important to note that the Illinois EPA stipulated that: "The groundwater sampling and the analytical results at the Waukegan Station have no bearing or relevance as to whether the grassy field is a CCR surface impoundment." (PCB21-3 Hr. Tr. Feb. 13, 2024, p. 259:14-17).

In response to the Board's questions 5 and 6, MWG collected the groundwater data. Due to the various sampling groundwater programs at the Waukegan Station, the data is in three charts which are attached as Exhibits 1, 2, and 3:

- 1) Groundwater Data collected for the Federal and State CCR Rule (MW1, MW2,

- MW3, MW4, MW9, MW11, MW14, and MW16); 2015-2024.
- 2) Groundwater Data collected pursuant to the Waukegan Construction Permit (MW1 through MW7); 2015-2024.
  - 3) Groundwater Data collected from additional wells (MW8, MW10, MW12, MW15); 2015-2024.

Respectfully submitted,  
Midwest Generation, LLC

By: /s/ Kristen L. Gale  
One of Its Attorneys

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# **EXHIBIT 1**

Table 1. Groundwater Analytical Results - Midwest Generation, LLC, Waukegan Station, Waukegan, IL.

Electronic Filing: Received, Clerk's Office 04/3/2024

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 up-gradient	11/4/2015	13	210	450	0.14	6.60	370	1700	< 0.003	< 0.001	0.015	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.081	< 0.0002	0.260	0.318	< 0.0025	< 0.002	
	3/2/2016	35	380	720	0.11	7.02	970	2800	< 0.003	0.06	0.05	^< 0.001	< 0.0005	0.043	< 0.001	0.00061	0.094	< 0.0002	0.51	< 0.36	0.025	< 0.002	
	5/3/2016	16	310	620	0.12	7.02	740	2500	< 0.003	0.0014	0.025	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.083	< 0.0002	0.63	< 0.512	0.024	< 0.002	
	8/25/2016	4.5	130	270	0.21	7.13	190	1100	0.0041	0.042	0.024	^< 0.001	0.0011	0.056	0.0027	0.0012	0.049	< 0.0002	0.063	0.482	0.039	< 0.002	
	12/8/2016	15	200	330	0.18	7.01	270	1300	< 0.003	0.004	0.016	^< 0.001	0.00052	< 0.005	< 0.001	< 0.0005	0.077	< 0.0002	0.24	< 0.72	0.038	< 0.002	
	2/23/2017	14	190	290	0.12	7.68	320	1300	< 0.003	0.0027	0.014	^< 0.001	< 0.0005	0.059	0.0018	< 0.0005	0.068	< 0.0002	0.26	< 0.461	0.016	< 0.002	
	5/16/2017	27	160	67	0.29	8.15	420	970	< 0.003	< 0.001	0.0094	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.045	< 0.0002	0.51	< 0.342	0.0085	< 0.002	
	7/6/2017	21	220	430	0.13	7.18	610	1800	< 0.003	0.002	0.018	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.089	< 0.0002	0.31	< 0.316	0.021	< 0.002	
	9/13/2017	21	250	420	0.14	7.17	520	1800	< 0.003	0.0067	0.019	^< 0.001	< 0.0005	0.0052	0.0017	< 0.0005	0.069	< 0.0002	0.33	< 0.944	0.0041	< 0.002	
	11/29/2017	26	200	390	0.13	7.05	390	1600	< 0.003	0.0017	0.015	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.086	< 0.0002	0.47	< 0.625	0.042	< 0.002	
	5/31/2018	32	200	29	0.1	6.85	490	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2018	30	200	23	0.11	7.33	290	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/15/2019	26	120	260	0.13	7.53	31	1000	< 0.003	< 0.001	0.0073	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.035	< 0.0002	0.54	< 0.433	< 0.0025	< 0.002	
	11/19/2019	22	160	17	0.16	8.04	300	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/22/2020	22	140	9.2	0.18	7.81	360	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/18/2020	28	250	290	0.18	7.43	420	1700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/6/2021	31	170	35	0.12	7.51	420	910	< 0.003	< 0.001	0.0075	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.04	< 0.0002	0.47	< 0.614	0.023	< 0.002	
	8/19/2021	7.2	150	170	0.13	7.01	210	350	< 0.003	0.0019	0.015	^< 0.001	< 0.0005	< 0.005	^< 0.001	0.015	0.066	< 0.0002	0.12	< 0.457	0.071	^< 0.002	
	11/4/2021	10	150	160	0.24	7.07	180	980	< 0.003	0.0026	0.074	^+ 0.001	< 0.0005	< 0.005	< 0.001	0.011	< 0.0005	0.06	< 0.0002	0.12	< 0.775	0.097	< 0.002
	2/10/2022	9.5	190	220	0.17	7.11	270	1300	< 0.003	0.015	0.033	^+ 0.001	< 0.0005	< 0.005	0.0076	< 0.0005	0.038	< 0.0002	0.21	< 0.523	0.036	< 0.002	
	5/24/2022	5.3	150	180	0.23	7.15	200	940	< 0.003	0.0019	0.02	^+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.054	< 0.0002	0.18	< 0.444	< 0.0025	< 0.002	
	8/23/2022	12	170	170	0.22	7.14	290	1100	< 0.003	0.0012	0.046	^+ 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.048	< 0.0002	0.21	< 0.487	0.034	< 0.002	
	11/7/2022	6.4	160	200	0.51	6.98	220	1100	< 0.003	0.0083	0.14	^+ 0.001	< 0.0005	< 0.005	0.0013	0.057	< 0.0002	0.088	< 0.0002	0.888	2.58	< 0.0025	< 0.002
	12/21/2022 (R)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/13/2023	B	280	220	0.12	6.97	490	1500	< 0.0030	0.0011	0.074	^+ 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	0.062	< 0.0020	0.46	1.01	0.029	< 0.0020	
	5/9/2023	4.7	140	220	0.23	7.08	200	890	< 0.0030	0.0011	0.021	^+ 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	0.045	< 0.0020	0.15	< 0.557	< 0.0025	< 0.0020	
8/8/2023	^+ 20	270	380	0.23	6.98	510	1800	< 0.0030	0.0021	0.11	^+ 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	0.062	< 0.0020	0.35	< 0.754	0.022	< 0.0020		
11/28/2023	2.6	96	170	0.33	7.15	130	750	< 0.0030	0.0071	0.061	^+ 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	0.053	< 0.0020	0.499	0.652	< 0.0025	< 0.0020		
2/6/2024	24	240	150	0.18	6.88	460	1300	^+ 0.0030	0.0055	0.12	^+ 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.20	< 0.0020	0.32	1.09	< 0.0070	< 0.0020		
MW-11 up-gradient	11/5/2015	5.2	140	240	0.13	6.51	190	1100	< 0.003	0.77	0.039	^< 0.001	< 0.0005	< 0.005	< 0.001	0.001	0.055	< 0.0002	< 0.0050	0.656	< 0.0025	< 0.002	
	3/2/2016	4.0	170	240	0.1	7.16	210	1200	< 0.003	0.55	0.048	^< 0.001	< 0.0005	< 0.0058	< 0.001	0.011	0.049	< 0.0002	< 0.0050	1.09	< 0.0025	< 0.002	
	5/5/2016	5.0	140	280	0.11	7.17	160	1000	< 0.003	0.51	0.038	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.057	< 0.0002	< 0.005	1.24	< 0.0025	< 0.002	
	8/26/2016	3.5	180	240	0.13	6.97	110	1100	< 0.003	1.1	0.05	^< 0.001	< 0.0005	0.0055	< 0.001	< 0.0005	0.055	< 0.0002	< 0.005	1.04	< 0.0025	< 0.002	
	12/7/2016	3.0	170	270	0.12	7.06	110	1200	< 0.003	0.87	0.049	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	< 0.005	1.87	< 0.0025	< 0.002	
	2/24/2017	4.0	180	220	0.16	6.61	170	1200	< 0.003	4.9	0.047	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.059	< 0.0002	< 0.005	0.982	< 0.0025	< 0.002	
	5/18/2017	1.8	160	170	0.12	7.42	120	1000	< 0.003	0.5	0.047	^< 0.001	< 0.0005	< 0.0056	< 0.001	< 0.0005	0.032	< 0.0002	< 0.005	1.37	< 0.0025	< 0.002	
	7/6/2017	2.4	160	190	0.14	7.33	130	1100	< 0.003	0.69	0.056	^< 0.001	< 0.0005	0.0057	< 0.001	< 0.0005	0.041	< 0.0002	< 0.005	0.889	< 0.0025	< 0.002	
	9/13/2017	1.9	140	150	0.26	7.16	96	870	< 0.003	0.86	0.036	^< 0.001	< 0.0005	0.008	< 0.001	0.0071	0.037	< 0.0002	< 0.0054	0.718	< 0.0025	< 0.002	
	11/30/2017	2.2	170	200	0.14	6.99	93	1100	< 0.003	0.59	0.05	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.041	< 0.0002	< 0.005	1.21	< 0.0025	< 0.002	
	5/31/2018	1.5	210	160	0.1	6.74	130	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/6/2018	2.3	170	150	0.12	7.21	78	990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/15/2019	3.2	120	260	0.13	7.14	31	1000	< 0.003	0.3	0.048	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	< 0.005	1.5	< 0.0025	< 0.002	
	11/19/2019	4.1	130	200	0.15	7.51	29	860	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/22/2020	3.2	110	150	0.15	7.16	47	740	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/19/2020	2.3	140	130	0.2	7.00	28	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/6/2021	2.4	130	120	0.15	7.13	45	770	< 0.003	0.44	0.044	^< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	0.038	< 0.0002	< 0.005	1.7	< 0.0025	< 0.002	
	8/19/2021	1.3	140	160	0.16	6.95	45	730	< 0.003	0.16	0.055	^< 0.001	< 0.0005	0.0057	^+ 0.001	< 0.0005	0.033	< 0.0002	< 0.005	1.89	< 0.0025	^+ 0.002	
	11/4/2021	1.6	130	100	0.16	6.																	

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-02 down-gradient	11/2/2015	3.0	32	47	0.78	8.27	230	460	< 0.003	0.014	0.016	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0630	0.4628	< 0.0025	< 0.002	
	3/1/2016	4.1	39	47	1.3	8.57	220	510	< 0.003	0.011	0.02	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0630	0.4628	< 0.0025	< 0.002	
	5/4/2016	3.3	34	51	1.5	8.19	180	440	< 0.003	0.0081	0.018	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.069	< 0.425	< 0.0025	< 0.002	
	8/23/2016	3.1	42	59	1.3	7.52	250	500	< 0.003	0.0082	0.016	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.056	< 0.439	< 0.0025	< 0.002	
	12/5/2016	3.1	28	56	1.0	8.62	160	430	< 0.003	0.018	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.071	< 0.509	< 0.0025	< 0.002	
	2/21/2017	3.3	31	52	0.76	8.75	190	420	< 0.003	0.028	0.012	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.051	< 0.416	< 0.0038	< 0.002	
	5/15/2017	3.6	85	48	0.64	8.33	320	640	< 0.003	0.02	0.029	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.047	< 0.425	< 0.023	< 0.002	
	7/5/2017	4.2	100	52	0.42	7.92	300	710	< 0.003	0.0094	0.031	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.047	< 0.295	< 0.017	< 0.002	
	9/14/2017	2.5	87	54	0.44	8.19	340	780	< 0.003	0.012	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.049	< 0.769	< 0.0052	< 0.002	
	11/27/2017	3.4	69	57	0.62	7.34	200	570	< 0.003	0.011	0.022	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.048	< 0.442	< 0.0025	< 0.002	
	5/29/2018	3.5	160	43	0.40	8.85	430	990	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/5/2018	3.1	77	59	1.61	8.06	180	610	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/14/2019	2.9	47	49	1.0	8.30	140	430	< 0.003	0.0094	0.013	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.069	< 0.37	< 0.0025	< 0.002	
	11/19/2019	4.7	140	43	0.7	7.37	270	900	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2020	3.4	86	48	1.0	8.02	250	580	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/17/2020	4.0	79	20	0.8	7.67	310	610	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2021	4.6	70	37	0.7	8.39	190	420	< 0.003	0.008	0.03	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.023	< 0.97	< 0.0025	< 0.002	
	8/18/2021	4.1	84	39	0.5	7.92	190	480	< 0.003	0.0088	0.029	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.021	< 0.525	< 0.0025	< 0.002	
	11/3/2021	4.2	59	43	0.6	7.78	170	410	< 0.003	0.009	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.03	< 0.763	< 0.0025	< 0.002	
	2/8/2022	0.2	71	34	0.5	8.00	200	580	< 0.003	0.021	0.025	< 0.001	< 0.0005	< 0.005	< 0.001	0.00069	0.0055	< 0.0002	0.028	< 0.64	< 0.0025	< 0.002	
	5/23/2022	3.5	77	30	0.5	8.12	190	510	< 0.003	0.02	0.03	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.024	< 0.66	< 0.0035	< 0.002	
	8/22/2022	3.3	84	33	0.3	7.59	220	650	< 0.003	0.011	0.024	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.029	< 0.4	< 0.0025	< 0.002	
	11/7/2022	3.5	20	36	0.3	7.93	270	700	< 0.003	0.013	0.033	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.028	< 1.47	< 0.0025	< 0.002	
	2/13/2023	3.8	83	45	0.34	7.90	180	560	< 0.0030	0.0086	0.029	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0020	0.022	< 0.64	< 0.0042	< 0.0020	
	5/8/2023	3.1	62	47	0.39	8.00	210	440	< 0.0030	0.0090	0.027	^ < 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0020	0.030	< 0.659	< 0.0038	< 0.0020	
8/7/2023	^ < 3.1	68	51	0.40	8.17	210	510	< 0.0030	0.0089	0.022	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0020	0.032	< 0.588	< 0.0025	< 0.0020		
11/28/2023	2.8	61	67	0.36	7.58	150	480	< 0.0030	0.0082	0.021	^ < 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.010	< 0.0020	0.017	< 0.557	< 0.0054	< 0.0020		
2/5/2024	3.5	67	78	0.49	8.16	170	530	^ < 0.0030	0.0086	0.024	^ < 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0050	< 0.10	0.0014	0.019	< 0.581	< 0.0040	< 0.0020		
MW-03 down-gradient	11/2/2015	2.3	72	87	0.51	9.26	270	570	< 0.003	0.0068	0.011	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0370	0.071	< 0.0025	< 0.002	
	3/1/2016	2.9	61	70	0.33	7.33	220	530	< 0.003	0.0069	0.015	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.0560	< 0.332	< 0.0043	< 0.002	
	5/4/2016	2.4	42	74	0.56	7.25	170	470	< 0.003	0.007	0.011	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.058	< 0.48	< 0.0025	< 0.002	
	8/24/2016	2.0	70	59	0.3	9.13	200	430	< 0.003	0.010	0.0069	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.01	< 0.0002	0.042	< 0.428	< 0.0025	< 0.002	
	12/5/2016	2.4	57	60	0.41	7.62	120	440	< 0.003	0.0065	0.0094	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.044	< 0.526	< 0.0025	< 0.002	
	2/21/2017	2.2	65	65	0.33	7.56	180	460	< 0.003	0.011	0.0067	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.043	< 0.437	< 0.0025	< 0.002	
	5/16/2017	3.9	110	61	0.27	7.90	320	820	< 0.003	0.0087	0.039	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.041	< 0.461	< 0.0014	< 0.002	
	7/5/2017	3.0	60	60	0.28	7.46	200	470	< 0.003	0.0029	0.017	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.058	< 0.304	< 0.0045	< 0.002	
	9/14/2017	2.1	86	57	0.26	7.53	260	680	< 0.003	0.0024	0.026	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.056	< 0.462	< 0.0081	< 0.002	
	11/28/2017	2.6	69	63	0.56	6.96	120	500	< 0.003	0.0025	0.016	^ < 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.057	< 1.17	< 0.0025	< 0.002	
	5/29/2018	2.4	67	61	0.38	6.84	190	480	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/5/2018	2.4	54	54	0.5	8.99	150	500	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/14/2019	4.2	86	17	0.59	7.21	270	660	< 0.003	0.0059	0.022	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.053	< 0.657	< 0.0061	< 0.002	
	11/19/2019	4.2	130	15	0.25	7.47	300	740	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/2020	3.8	120	23	0.29	6.87	270	660	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/17/2020	3.8	120	53	0.29	7.05	240	650	< 0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/5/2021	3.3	110	43	0.23	7.18	210	550	< 0.003	0.0066	0.035	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	< 0.0002	0.016	< 0.689	< 0.0065	< 0.002	
	8/18/2021	3	150	46	0.17	6.9	250	690	< 0.003	0.0052	0.041	< 0.001	< 0.0005	< 0.005	< 0.001	< 0.0005	< 0.010	0.00031	0.045	< 0.656	< 0.0025	< 0.002	
	11/3/2021	3.2	120	40	0.18	7.05																	

# **EXHIBIT 2**

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-01	Date	2/21/2017		5/15/2017		9/14/2017		11/27/2017		2/7/2018		5/29/2018		8/20/2018		11/5/2018		2/11/2019		5/14/2019		8/14/2019		11/19/2019		3/2/2020		4/21/2020		8/17/2020		11/17/2020	
		Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.14	0.0010	0.11	0.0010	0.039	0.0010	0.048	0.0010	0.12	0.0010	0.17	0.0010	0.012	0.001	0.075	0.001	0.094	0.001	0.063	0.001	0.052	0.001	0.069	0.001	0.042	0.001	0.043	0.001	0.022	0.001	0.022
Barium	2.0	0.0025	0.015	0.0025	0.016	0.0025	0.033	0.0025	0.053	0.0025	0.021	0.0025	0.022	0.0025	0.11	0.0025	0.029	0.0025	0.024	0.0025	0.029	0.0025	0.027	0.0025	0.02	0.0025	0.033	0.0025	0.041	0.0025	0.046	0.0025	0.068
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Boron	2.0	0.25	2.1	0.25	2.3	0.25	2.9	0.25	2.5	0.50	2.2	0.50	2.3	0.50	3.6	0.25	2.1	0.25	2.2	0.05	2.1	0.25	2.4	0.5	2.4	0.5	2.4	0.05	2.7	0.25	2.5	0.5	3.2
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	2.0	61	2.0	58	2.0	49	2.0	45	2.0	53	2.0	53	2.0	30	2	40	2	53	2	46	2	47	2	35	2	28	2	25	2	48	10	92
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	0.014	0.010	0.018	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND F2	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND F1	0.01	ND	0.005	ND	0.005	ND
Fluoride	4.0	0.10	0.30	0.10	0.29	0.10	0.24	0.10	0.17	0.10	0.27	0.10	0.31	0.10	0.10	0.10	0.26	0.1	0.22	0.1	0.18	0.1	0.19	0.1	0.25	0.1	0.17	0.1	0.22	0.1	0.27	0.1	0.15
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00079	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0072	0.0025	ND	0.0025	0.0025	0.0025	0.035	0.0025	ND	0.0025	ND	0.0025	0.005	0.0025	0.0056	0.0025	0.0025	0.0025	0.0093	0.0025	0.003	0.0025	0.011	0.0025	0.023
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Nitrogen, Nitrate	10.0	0.10	ND	0.10	0.11	0.10	0.29	0.10	2.2	0.10	ND	0.10	0.10	0.10	0.67	0.10	0.22	0.1	ND	0.1	0.17	0.1	ND	0.1	0.1	0.1	0.11	0.1	0.17	0.1	ND	0.1	ND
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	0.19	0.10	0.48	0.20	2.9	0.10	0.12	0.10	0.22	0.10	0.67	0.10	0.22	0.1	ND	0.1	0.17	0.1	ND	0.1	0.1	0.1	0.17	0.1	0.17	0.1	ND	0.1	ND
Nitrogen, Nitrite	NA	0.020	0.038	0.020	0.078	0.020	0.19	0.20	0.72	0.020	0.035	0.020	0.15	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND ^	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.119	ND	0.0943	0.114	0.0567	0.109	0.0628	ND	0.0636	0.0858	0.126	0.17	0.0793	0.388	0.259	ND	0.228	ND	0.109	ND	0.241	ND	0.112	ND	0.127	ND	0.0912	ND	0.0768	0.115	0.528	ND
Radium 228	20	0.518	ND *	0.474	ND	0.398	ND	0.396	0.619	0.381	ND	0.546	ND	0.373	ND	0.539	ND	0.395	ND	0.426	ND	0.609	ND	0.581	ND	0.395	ND	0.452	ND	0.393	ND	0.557	ND
Selenium	0.05	0.0025	0.0025	0.0025	0.0055	0.0025	0.0099	0.0025	0.021	0.0025	0.0059	0.0025	0.0064	0.0025	0.0063	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	50	260	50	330	100	410	50	280	50	350	50	360	130	420	50	270	50	320	20	260	20	250	500	ND	500	ND	500	ND	25	210	25	240
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	550	10	600	10	750	10	800	10	580	10	570	10	1200	10	540	10	540	10	580	10	560	10	520	10	610	10	450	30	470	30	650
Vanadium	0.049	0.0050	0.077	0.0050	0.088	0.0050	0.077	0.0050	0.038	0.0050	0.062	0.0050	0.049	0.0050	0.0055	0.005	0.023	0.005	0.02	0.005	0.013	0.005	0.015	0.005	0.032	0.005	0.0097	0.005	ND	0.005	ND	0.005	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	11.30	NA	10.69	NA	10.45	NA	7.85	NA	11.13	NA	8.44	NA	6.94	NA	8.70	NA	9.98	NA	9.85	NA	9.11	NA	10.58	NA	8.83	NA	9.40	NA	8.48	NA	7.97
Temperature	NA	NA	14.8	NA	15.1	NA	14.9	NA	12.9	NA	12.1	NA	14.2	NA	18.4	NA	12.34	NA	12.90	NA	12.20	NA	133.00	NA	12.82	NA	12.60	NA	12.50	NA	13.40	NA	13.60
Conductivity	NA	NA	0.81	NA	0.71	NA	0.96	NA	0.82	NA	0.69	NA	0.65	NA	0.96	NA	0.543	NA	0.775	NA	0.670	NA	0.900	NA	0.763	NA	0.306	NA	0.633	NA	0.738	NA	1.090
Dissolved Oxygen	NA	NA	1.98	NA	2.73	NA	0.22	NA	3.97	NA	0.74	NA	5.32	NA	5.34	NA	2.84	NA	0.75	NA	0.71	NA	0.29	NA	0.55	NA	0.74	NA	0.46	NA	0.37	NA	1.78
ORP	NA	NA	65.2	NA	-22.1	NA	-1.1	NA	-9.0	NA	-171.8	NA	-23.9	NA	154.0	NA	-61.7	NA	-151.5	NA	17.8	NA	81.2	NA	-93.7	NA	126.8	NA	25.0	NA	75.6	NA	6.3

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2021		5/5/2021		8/18/2021		11/3/2021		2/8/2022		5/23/2022		8/22/2022		11/7/2022		2/13/2023		5/8/2023		8/7/2023		11/27/2023		2/5/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	0.0032	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.0030	ND ^1+
0.001	0.026	0.001	0.024	0.001	0.023	0.001	0.022	0.001	0.022	0.001	0.019	0.001	0.022	0.001	0.023	0.001	0.023	0.0010	0.022	0.0010	0.021	0.0050	0.023	0.0010	0.022
0.0025	0.05	0.0025	0.04	0.0025	0.044	0.0025	0.039	0.0025	0.036	0.0025	0.052	0.0025	0.028	0.0025	0.029	0.0025	0.026	0.0025	0.027	0.0025	0.026	0.0050	0.029	0.0025	0.032
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
0.5	3.7	0.5	3.2	0.5	2.7	0.5	2.7	0.5	3.4	0.5	3	0.5	2.6	0.5	2.6	0.05	2.3	0.5	2.0	0.05	1.7	0.20	1.6	0.50	2.6
0.005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
10	110	6	70	10	65	6	59	4	43	4	35	4	43	10	49 F1	4	61	10	58	4.0	49	4.0	59	4.0	75
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.005	0.0059	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	0.0081	0.005	ND	0.01	0.011	0.005	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND
0.1	0.16	0.1	0.2	0.1	0.18	0.1	0.23	0.1	0.23	0.1	0.21	0.1	0.32	0.1	0.43	0.1	0.24	0.10	0.40	0.10	0.41	0.10	0.30	0.10	0.24
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND ^+	0.10	ND	0.10	ND	0.10	ND
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
0.0025	0.0095	0.0025	0.0076	0.0025	0.016	0.0025	0.012	0.0025	0.0098	0.0025	0.021	0.0025	0.009	0.0025	0.011	0.0025	0.0096	0.0025	0.0070	0.0025	0.0063	0.0050	0.0099	0.0025	0.015
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.21	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.21	0.1	ND	0.1	0.10F1	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.102	ND	0.149	ND	0.221	ND	0.166	0.201	0.126	ND	0.201	ND	0.0818	ND	0.182	ND	0.106	ND	0.165	ND	0.0995	0.0995	0.133	ND	0.158	ND
0.565	ND	0.342	0.407	0.517	ND	0.474	0.572	0.4	0.452	0.425	ND	0.751	ND	0.545	1.16	0.426	0.518	0.521	ND	0.494	0.515	0.427	ND	0.52	ND
0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND F1 F2	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
25	210	25	190	50	170	50	180	25	220	50	200	50	190	50	180	100	150	50	160	50	150 F1	50	140	25	170
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND
10	560	10	460	10	440	10	360	10	460	10	470	10	410	10	440	10	470	10	360	10	330	10	400	10	520
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
NA	8.92	NA	9.00	NA	8.31	NA	8.56	NA	8.67	NA	7.77	NA	8.60	NA	8.45	NA	8.58	NA	8.87	NA	9.08	NA	9.00	NA	8.57
NA	13.40	NA	13.50	NA	14.80	NA	14.20	NA	13.40	NA	13.50	NA	14.30	NA	13.90	NA	13.60	NA	13.1	NA	13.9	NA	13.0	NA	12.5
NA	1.151	NA	0.706	NA	0.688	NA	0.712	NA	0.728	NA	0.846	NA	0.561	NA	0.566	NA	0.664	NA	0.570	NA	0.388	NA	0.503	NA	0.583
NA	-1.85	NA	1.40	NA	0.46	NA	0.23	NA	0.80	NA	0.44	NA	1.08	NA	2.67	NA	1.63	NA	1.90	NA	0.92	NA	1.98	NA	2.23
NA	56.6	NA	69.1	NA	155.1	NA	163.3	NA	226.1	NA	186.0	NA	155.9	NA	120.2	NA	89.9	NA	-71.8	NA	-141.1	NA	-109.1	NA	-108.0

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-02	Date	2/21/2017		5/15/2017		9/14/2017		11/27/2017		2/7/2018		5/29/2018		8/20/2018		11/5/2018		2/11/2019		5/14/2019		8/14/2019		11/19/2019		3/2/2020		4/21/2020		8/17/2020		11/17/2020	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.026	0.0010	0.016	0.0010	0.011	0.0010	0.012	0.0010	0.014	0.0010	0.0054	0.0010	0.0070	0.001	0.0091	0.001	0.0091	0.001	0.0087	0.001	0.0085	0.001	0.0073	0.001	0.0079	0.001	0.008	0.001	0.0087	0.001	0.0066
Barium	2.0	0.0025	0.010	0.0025	0.027	0.0025	0.035	0.0025	0.024	0.0025	0.024	0.0025	0.038	0.0025	0.034	0.0025	0.016	0.0025	0.038	0.0025	0.012	0.0025	0.027	0.0025	0.05	0.0025	0.028	0.0025	0.032	0.0025	0.021	0.0025	0.028
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Boron	2.0	0.25	2.9	0.50	3.4	0.50	4.0	0.50	3.6	0.50	3.7	0.50	4.6	0.50	3.6	0.25	2.9	0.5	3.8	0.05	2.4	0.25	3.1	1	4.9	1	3.1	0.05	3.3	0.25	2.8	0.5	3.8
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	2.0	51	2.0	50	2.0	54	2.0	57	2.0	53	2.0	41	2.0	50	2	54	2	51	2	52	2	41	2	43	2	49	2	50	2	50	2	23
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	0.019	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.005	ND	0.005	ND
Fluoride	4.0	0.10	0.78	0.10	0.38	0.10	0.44	0.10	0.58	0.10	0.38	0.10	0.39	0.10	0.48	0.10	0.69	0.1	0.86	0.1	0.97	0.1	0.84	0.1	0.67	0.1	1	0.1	1	0.1	0.94	0.1	0.78
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.24	0.10	0.10	0.10	0.10	0.10	ND	0.1	0.22	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.19	0.1	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	0.017	0.0025	0.019	0.0025	0.029	0.0025	0.020	0.0025	0.018	0.0025	0.032	0.0025	0.031	0.0025	0.018	0.0025	0.052	0.0025	0.015	0.0025	0.062	0.0025	0.069	0.0025	0.045	0.0025	0.037	0.0025	0.034	0.0025	0.048
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Nitrogen, Nitrate	10.0	0.10	ND	0.10	0.67	0.10	0.26	0.10	ND	0.10	ND	0.10	1.3	0.10	0.37	0.10	ND	0.1	0.46	0.1	ND	0.1	ND	0.1	1.2	0.1	ND	0.1	0.1	0.1	0.2	0.1	ND
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	0.73	0.10	0.26	0.10	ND	0.10	ND	0.10	1.3	0.10	0.37	0.10	ND	0.1	0.46	0.1	ND	0.1	ND	0.1	1.2	0.1	0.14	0.1	0.1	0.1	0.2	0.1	ND
Nitrogen, Nitrite	NA	0.020	ND	0.020	0.057	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.144	ND	0.108	ND	0.0616	0.102	0.0578	0.169	0.0679	0.0887	0.0907	0.178	0.0805	0.326	0.199	ND	0.257	ND	0.123	ND	0.212	ND	0.0921	0.172	0.109	ND	0.105	ND	0.0806	ND	0.54	ND
Radium 228	20	0.406	ND *	0.518	ND	0.361	0.492	0.395	0.924	0.36	ND	0.433	ND	0.354	ND	0.383	ND	0.424	0.5	0.443	0.493	0.623	ND	0.483	ND	0.394	ND	0.424	ND	0.372	ND	0.532	ND
Selenium	0.05	0.0025	ND	0.0025	0.022	0.0025	0.0054	0.0025	ND	0.0025	ND	0.0025	0.0086	0.0025	0.0067	0.0025	ND	0.0025	0.0048	0.0025	ND	0.0025	0.003	0.0025	0.0074	0.0025	ND	0.0025	0.0028	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	50	210	50	350	100	330	50	200	50	290	100	420	100	230	50	170	50	350	20	150	20	200	500	ND	500	ND	500	ND	25	230	100	300
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	380	10	630	10	730	10	620	10	580	10	930	10	730	10	500	10	720	10	460	10	530	10	850	10	580	10	600	30	550	30	610
Vanadium	0.049	0.0050	0.0066	0.0050	0.0091	0.0050	0.0075	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0070	0.005	ND	0.005	0.0059	0.005	ND	0.005	0.0055	0.005	0.008	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	8.75	NA	8.33	NA	8.19	NA	7.34	NA	12.34	NA	6.85	NA	7.22	NA	8.06	NA	7.46	NA	8.30	NA	7.96	NA	7.37	NA	7.57	NA	8.02	NA	7.89	NA	7.67
Temperature	NA	NA	12.8	NA	18.3	NA	14.5	NA	12.4	NA	12.3	NA	14.1	NA	17.2	NA	12.41	NA	11.40	NA	12.00	NA	13.40	NA	12.79	NA	12.20	NA	12.10	NA	13.60	NA	13.10
Conductivity	NA	NA	0.50	NA	0.68	NA	0.85	NA	0.62	NA	0.63	NA	0.88	NA	0.76	NA	0.539	NA	0.969	NA	0.611	NA	0.900	NA	1.235	NA	0.311	NA	0.305	NA	0.830	NA	0.990
Dissolved Oxygen	NA	NA	2.19	NA	5.13	NA	0.19	NA	4.22	NA	0.68	NA	6.78	NA	3.08	NA	3.76	NA	0.30	NA	0.19	NA	0.27	NA	8.12	NA	0.21	NA	0.31	NA	1.72	NA	2.25
ORP	NA	NA	67.4	NA	-49.2	NA	35.2	NA	-42.3	NA	-337.5	NA	20.4	NA	96.1	NA	-23.8	NA	-17.2	NA	31.4	NA	110.4	NA	-45.2	NA	-8.9	NA	-87.6	NA	-0.6	NA	-45.7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2021		5/5/2021		8/18/2021		11/3/2021		2/8/2022		5/23/2022		8/22/2022		11/7/2022		2/13/2023		5/8/2023		8/7/2023		11/29/2023		2/5/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0020	ND	0.0030	ND ^1+
0.001	0.013	0.001	0.0083	0.001	0.01	0.001	0.0098	0.001	0.013	0.001	0.01	0.001	0.013	0.001	0.013	0.001	0.010	0.0010	0.010	0.0010	0.0097	0.0050	0.0090	0.0010	0.010
0.0025	0.032	0.0025	0.03	0.0025	0.027	0.0025	0.024	0.0025	0.03	0.0025	0.031	0.0025	0.024	0.0025	0.034	0.0025	0.029	0.0025	0.025	0.0025	0.021	0.0050	0.019	0.0025	0.023
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND ^+	0.0010	ND	0.0010	0.0010	0.0010	ND
0.5	4.6	1	4.6	0.5	4.1	0.5	4.2	1	4.6	0.5	3.5	0.5	3.2	0.5	3.3	0.05	3.4	0.50	3.3	0.05	2.9	0.20	2.5	0.50	3.5
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
2	34	2	38	2	40	6	44	2	33	4	30	4	32	10	36	4	46	4.0	46	4.0	51	4.0	68	10	82
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.005	0.0054	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.01	0.012	0.005	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND
0.1	0.84	0.1	0.72	0.1	0.51	0.1	0.66	0.1	0.43	0.1	0.47	0.1	0.25	0.1	0.26	0.1	0.37	0.10	0.40	0.10	0.41	0.10	0.35	0.10	0.35
0.1	0.36	0.1	ND	0.1	0.14	0.1	ND	0.1	0.25	0.1	0.21	0.1	0.18	0.1	0.21	0.1	0.15	0.10	0.16	0.10	ND	0.10	ND	0.10	0.18
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
0.0025	0.042	0.0025	0.042	0.0025	0.05	0.0025	0.053	0.0025	0.055	0.0025	0.087	0.0025	0.05	0.0025	0.1	0.0025	0.080	0.0025	0.094	0.0025	0.060	0.0050	0.065	0.0025	0.071
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND F1	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.0997	ND	0.15	ND	0.205	ND	0.161	0.265	0.151	ND	0.208	ND	0.0887	ND	0.201	ND	0.115	ND	0.209	ND	0.115	0.132	0.176	ND	0.167	ND
0.586	0.586	0.463	ND	0.501	ND	0.386	ND	0.48	0.565	0.47	ND	0.512	ND	0.516	1.8	0.466	ND	0.533	ND	0.532	0.859	0.557	ND	0.725	0.832
0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.005	0.0025	ND	0.0025	ND	0.0025	0.0046	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
25	190	25	200	50	190	50	170	25	200	50	190	50	220	50	280	50	180	50	190	50	210	50	140	25	170
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND
10	450	10	410	10	490	10	370	10	500	10	480	10	500	10	730	10	560	10	470	10	530	10	490	10	610
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
NA	8.54	NA	8.39	NA	7.92	NA	7.78	NA	8.00	NA	8.12	NA	7.59	NA	7.40	NA	7.90	NA	8.00	NA	8.17	NA	7.58	NA	8.16
NA	12.10	NA	12.50	NA	14.40	NA	13.50	NA	12.40	NA	13.00	NA	14.00	NA	13.60	NA	13.10	NA	12.8	NA	13.9	NA	13.0	NA	12.7
NA	0.861	NA	0.690	NA	0.723	NA	0.643	NA	0.699	NA	0.658	NA	0.801	NA	0.873	NA	0.705	NA	0.624	NA	0.539	NA	0.598	NA	0.609
NA	-0.04	NA	1.10	NA	0.20	NA	0.31	NA	0.60	NA	0.51	NA	1.34	NA	1.26	NA	1.46	NA	1.88	NA	0.77	NA	4.62	NA	2.99
NA	-80.3	NA	11.9	NA	110.2	NA	150.2	NA	174.9	NA	155.8	NA	70.1	NA	102.0	NA	99.3	NA	-121.7	NA	-149.6	NA	-46.2	NA	-123.9

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-03	Date	2/21/2017		5/16/2017		9/14/2017		11/28/2017		2/8/2018		5/29/2018		8/20/2018		11/5/2018		2/11/2019		5/14/2019		8/14/2019		11/19/2019		3/2/2020		4/21/2020		8/17/2020		11/17/2020	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.016	0.0010	0.0036	0.0010	0.0026	0.0010	0.0021	0.0010	0.0065	0.0010	0.0065	0.0010	0.0040	0.001	0.012	0.001	0.01	0.001	0.0056	0.001	0.052	0.001	0.0066	0.001	0.0053	0.001	0.0066	0.001	0.0041	0.001	0.0071
Barium	2.0	0.0025	0.0064	0.0025	0.028	0.0025	0.027	0.0025	0.016	0.0025	0.012	0.0025	0.012	0.0025	0.0098	0.0025	0.0086	0.0025	0.026	0.0025	0.023	0.0025	0.0096	0.0025	0.033	0.0025	0.031	0.0025	0.033	0.0025	0.046	0.0025	0.033
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND ^	0.0010	0.0010	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Boron	2.0	0.25	2.1	0.25	3.5	0.50	3.6	0.25	2.1	0.25	2.4	0.25	2.4	0.25	2.7	0.25	2.6	0.25	3.6	0.05	3.4	0.25	3	1	4.3	1	3.7	1	4.3	0.25	2.9	0.5	3.7
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	2.0	67	2.0	60	2.0	58	2.0	68	2.0	60	2.0	60	2.0	54	2	48	2	28	2	16	2	13	2	17	2	21	2	17	2	45	2	54
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0041	0.0020	0.0041	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.005	ND	0.005	ND
Fluoride	4.0	0.10	0.36	0.10	0.27	0.10	0.26	0.10	0.54	0.10	0.41	0.10	0.41	0.10	0.53	0.10	0.5	0.1	0.59	0.1	0.55	0.1	0.6	0.1	0.28	0.1	0.29	0.1	0.28	0.1	0.22	0.1	0.26
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	0.0025	0.0025	0.010	0.0025	0.026	0.0025	0.0092	0.0025	0.0048	0.0025	0.0048	0.0025	0.0076	0.0025	0.0067	0.0025	0.04	0.0025	0.031	0.0025	0.018	0.0025	0.065	0.0025	0.055	0.0025	0.065	0.0025	0.1	0.0025	0.072
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00022	0.00020	ND	0.00020	ND	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Nitrogen, Nitrate	10.0	0.10	0.10	0.10	0.72	0.10	0.56	0.10	0.19	0.10	0.12	0.10	0.12	0.10	0.20	0.10	0.13	0.1	0.4	0.1	0.5	0.1	0.14	0.1	0.51	0.1	0.11	0.1	0.51	0.1	0.31	0.1	0.14
Nitrogen, Nitrate Nitrite	NA	0.10	0.10	0.10	0.72	0.10	0.56	0.10	0.19	0.10	0.12	0.10	0.12	0.10	0.20	0.10	0.13	0.1	0.4	0.1	0.5	0.1	0.14	0.1	0.51	0.1	0.15	0.1	0.51	0.1	0.31	0.1	0.14
Nitrogen, Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.122	ND	0.110	0.159	0.0681	0.203	0.0649	ND	0.123	ND	0.105	ND	0.113	0.17	0.18	ND	0.255	ND	0.100	ND	0.189	ND	0.117	0.178	0.127	ND	0.114	0.166	0.0848	0.228	0.531	ND
Radium 228	20	0.389	ND *	0.402	ND	0.366	ND	0.34	0.682	0.468	ND	0.386	ND	0.365	0.408	0.379	ND	0.424	ND	0.439	ND	0.540	ND	0.472	ND	0.46	ND	0.462	ND	0.355	0.426	0.484	0.51
Selenium	0.05	0.0025	ND	0.0025	0.0088	0.0025	0.0085	0.0025	ND	0.0025	0.0042	0.0025	0.0042	0.0025	0.0025	0.0025	0.003	0.0025	0.012	0.0025	0.0067	0.0025	0.0049	0.0025	0.013	0.0025	ND	0.0025	0.013	0.0025	0.011	0.0025	0.0033
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	50	170	50	280	50	290	25	110	50	190	50	190	50	210	50	220	100	290	40	280	20	220	500	ND	500	ND	500	ND	100	290	50	250
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	440	10	690	10	650	10	460	10	500	10	500	10	450	10	490	10	690	10	700	10	480	10	720	10	760	10	720	30	870	30	640
Vanadium	0.049	0.0050	0.028	0.0050	0.013	0.0050	0.0092	0.0050	0.011	0.0050	0.034	0.0050	0.034	0.0050	0.017	0.005	0.021	0.005	0.011	0.005	0.0086	0.005	0.035	0.005	0.012	0.005	0.0085	0.005	0.012	0.005	0.0077	0.005	0.0051
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	7.56	NA	7.90	NA	7.53	NA	6.96	NA	7.74	NA	6.84	NA	7.52	NA	8.99	NA	7.31	NA	7.21	NA	9.22	NA	7.47	NA	7.02	NA	6.87	NA	6.9	NA	7.05
Temperature	NA	NA	11.4	NA	14.5	NA	14.7	NA	13.2	NA	11.6	NA	16.96	NA	17.11	NA	11.47	NA	10.9	NA	12.9	NA	13.3	NA	12.75	NA	12.9	NA	13	NA	12.5	NA	13.7
Conductivity	NA	NA	0.53	NA	0.78	NA	0.78	NA	0.52	NA	0.521	NA	0.59	NA	0.529	NA	0.395	NA	1.003	NA	0.92	NA	0.77	NA	1.061	NA	0.329	NA	0.85	NA	1.314	NA	1.09
Dissolved Oxygen	NA	NA	1.64	NA	5.46	NA	0.32	NA	2.80	NA	0.35	NA	4.18	NA	2.08	NA	8.53	NA	0.27	NA	0.33	NA	0.3	NA	0.51	NA	0.25	NA	0.32	NA	0.28	NA	2.21
ORP	NA	NA	83.5	NA	-30.5	NA	81.3	NA	-62.4	NA	313.7	NA	11.7	NA	72.9	NA	-101.3	NA	-112.3	NA	84.7	NA	-8.1	NA	-52.9	NA	40.6	NA	20.1	NA	88.5	NA	19.6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2021		5/5/2021		8/18/2021		11/3/2021		2/8/2022		5/23/2022		8/22/2022		11/7/2022		2/13/2023		5/8/2023		8/7/2023		11/27/2023		2/5/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.0030	ND ^1+
0.001	0.0073	0.001	0.007	0.001	0.0055	0.001	0.0068	0.001	0.0086	0.001	0.01	0.001	0.0053	0.001	0.0049	0.001	0.0056	0.0010	0.011	0.0010	0.014	0.0050	0.021	0.0010	0.024
0.0025	0.042	0.0025	0.038	0.0025	0.044	0.0025	0.034	0.0025	0.032	0.0025	0.021	0.0025	0.019	0.0025	0.022	0.0025	0.024	0.0025	0.012	0.0025	0.013	0.0050	0.0094	0.0025	0.0099
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND ^+	0.0010	ND	0.0010	ND	0.0010	ND ^+
0.5	4.8	0.5	5.8	0.5	3.2	0.5	3.1	0.25	2.8	0.5	2.4	0.5	1.9	0.25	2.3	0.05	2.3	0.50	2.2	0.50	2.3	0.40	2.2	0.50	2.8
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
2	45	2	45	2	45	6	40	2	30	4	32	4	46	10	49	4	57	4.0	52	4.0	54	4.0	50	4.0	51
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.005	0.0057	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	0.0057	0.005	ND	0.01	0.012	0.005	ND	0.0050	ND	0.0100	ND	0.0050	0.014	0.0050	ND
0.1	0.2	0.1	0.21	0.1	0.17	0.1	0.2	0.1	0.21	0.1	0.22	0.1	0.18	0.1	0.3	0.1	0.19	0.10	0.31	0.10	0.49	0.10	0.41	0.10	0.37
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND ^+	0.10	ND	0.10	ND	0.10	ND
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
0.0025	0.09	0.0025	0.096	0.0025	0.11	0.0025	0.071	0.0025	0.045	0.0025	0.032	0.0025	0.037	0.0025	0.032	0.0025	0.013	0.0025	0.026	0.0025	0.012	0.0050	ND	0.0025	0.0053
0.0002	ND	0.0002	ND	0.0002	0.00022	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.1	0.3	0.1	0.19	0.1	0.14	0.1	ND	0.1	ND	0.1	ND	0.1	0.18	0.1	ND	0.1	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND
0.1	0.3	0.1	0.19	0.1	0.14	0.1	ND	0.1	ND	0.1	ND	0.1	0.18	0.1	ND	0.1	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.11	ND	0.131	0.201	0.187	ND	0.206	ND	0.152	0.161	0.161	ND	0.0877	ND	0.199	ND	0.0884	ND	0.201	ND	0.115	0.115	0.129	ND	0.127	ND
0.717	ND	0.381	0.503	0.467	0.745	0.505	0.576	0.39	ND	0.493	ND	0.567	ND	0.46	0.72	0.48	ND	0.585	ND	0.463	0.463	0.485	ND	0.544	ND
0.0025	0.01	0.0025	0.0078	0.0025	0.011	0.0025	0.0096	0.0025	0.0071	0.0025	0.0061	0.0025	0.0039	0.0025	0.0049	0.0025	0.0056	0.0025	0.0028	0.0025	0.0046	0.0050	ND	0.0025	0.0050
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
100	290	25	220	50	280	50	240	25	210	50	180	50	170	50	190	50	150	50	120	50	130	50	120	25	170
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND
10	700	10	560	10	780	10	610	10	560	10	470	10	500	10	490	10	510	10	400	10	390	10	350	10	400
0.005	0.0076	0.005	0.0058	0.005	0.0053	0.005	ND	0.005	0.0081	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	0.0057	0.0050	0.0064	0.050	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
NA	7.19	NA	7.18	NA	6.9	NA	7.05	NA	7.16	NA	8.72	NA	7.38	NA	7.35	NA	7.13	NA	8.20	NA	7.73	NA	8.06	NA	8.97
NA	14.2	NA	13.8	NA	13.8	NA	14.3	NA	15.5	NA	14.4	NA	13.3	NA	14	NA	14	NA	13.3	NA	13.2	NA	12.5	NA	12.9
NA	1.496	NA	0.967	NA	1.153	NA	0.959	NA	0.869	NA	0.636	NA	0.687	NA	0.645	NA	0.776	NA	0.599	NA	0.4186	NA	0.485	NA	0.508
NA	0.59	NA	0.56	NA	0.47	NA	0.39	NA	0.54	NA	0.61	NA	5.9	NA	1.08	NA	1.84	NA	1.98	NA	1.06	NA	2.11	NA	2.52
NA	86.3	NA	134.2	NA	173.7	NA	154.3	NA	190.2	NA	152	NA	140.6	NA	110.7	NA	111.8	NA	-112.4	NA	-160.7	NA	-54.0	NA	-26.7

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-04	Date	2/22/2017		5/16/2017		9/14/2017		11/28/2017		2/8/2018		5/30/2018		8/20/2018		11/6/2018		2/11/2019		5/14/2019		8/14/2019		11/19/2019		3/2/2020		4/21/2020		8/17/2020		11/18/2020			
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND		
Arsenic	0.010	0.0010	0.018	0.0010	0.0058	0.0010	0.0027	0.0010	0.0048	0.0010	0.049	0.0010	0.0050	0.0010	0.0023	0.001	0.003	0.001	0.011	0.001	0.0028	0.001	0.0034	0.001	0.004	0.001	0.0045	0.001	0.0051	0.001	0.004	0.001	0.0054		
Barium	2.0	0.0025	0.092	0.0025	0.075	0.0025	0.084	0.0025	0.059	0.0025	0.085	0.0025	0.052	0.0025	0.071	0.0025	0.071	0.0025	0.061	0.0025	0.039	0.0025	0.046	0.0025	0.048	0.0025	0.044	0.0025	0.043	0.0025	0.039	0.0025	0.042		
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	0.0010	0.0010	0.0010	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND		
Boron	2.0	0.25	2.4	0.25	2.6	0.50	4.0	0.50	2.9	0.25	2.3	0.50	3.0	0.25	2.8	0.25	2.4	0.25	2.9	0.05	2.6	0.25	2.8	0.5	3.1	0.5	3.2	0.05	2.7	0.5	3.7	0.5	3.2		
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND		
Chloride	200.0	2.0	41	2.0	34	2.0	46	2.0	35	2.0	34	2.0	21	2.0	20	2	56	2	62	2	60	2	56	2	43	2	38	2	34	2	21	2	19		
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND		
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	0.0058	0.0010	0.0010	0.0010	0.0010	0.001	ND	0.001	0.0013	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND		
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	0.0037	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	0.0025	0.002	ND	0.002	ND	0.002	ND	0.002	0.0043	0.002	ND		
Cyanide, Total	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.005	ND	0.005	ND		
Fluoride	4.0	0.10	0.14	0.10	0.26	0.10	0.27	0.10	0.25	0.10	0.18	0.10	0.38	0.10	0.25	0.10	0.4	0.1	0.48	0.1	0.62	0.1	0.82	0.1	0.79	0.1	0.88	0.1	0.91	0.1	1.1	0.1	0.99		
Iron	5.0	0.10	0.56	0.10	0.13	0.10	0.32	0.10	0.18	0.10	2.8	0.10	0.22	0.10	0.10	0.10	ND	0.1	0.49	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND		
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND		
Manganese	0.15	0.0025	0.14	0.0025	0.032	0.0025	0.037	0.0025	0.26	0.0025	0.58	0.0025	0.049	0.0025	0.065	0.0025	0.086	0.0025	0.41	0.0025	0.049	0.0025	0.091	0.0025	0.1	0.0025	0.11	0.0025	0.13	0.0025	0.1	0.0025	0.16		
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00024	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	F1	
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND		
Nitrogen, Nitrate	10.0	0.10	ND	0.10	0.58	0.10	0.69	0.10	ND	0.10	ND	0.10	0.28	0.10	0.80	0.10	0.37	0.1	0.25	0.1	0.29	0.1	0.34	0.1	0.22	0.1	0.49	0.1	0.14	0.1	0.3	0.1	0.15		
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	0.58	0.10	0.69	0.10	ND	0.10	ND	0.10	0.28	0.10	0.80	0.10	0.37	0.1	0.25	0.1	0.29	0.1	0.34	0.1	0.22	0.1	0.49	0.1	0.14	0.1	0.3	0.1	0.15		
Nitrogen, Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.125	0.376	0.0831	0.198	0.0881	0.214	0.0985	0.155	0.0826	0.253	0.125	0.129	0.0977	0.354	0.182	ND	0.212	ND	0.0979	ND	0.176	ND	0.118	ND	0.114	ND	0.136	0.217	0.0815	0.114	0.469	ND		
Radium 228	20	0.395	0.624 *	0.336	0.521	0.410	0.568	0.352	0.694	0.385	0.497	0.445	ND	0.381	ND	0.337	ND	0.375	0.715	0.352	0.425	0.534	ND	0.452	ND	0.409	ND	0.572	ND	0.32	ND	0.631	0.631		
Selenium	0.05	0.0025	0.0043	0.0025	0.021	0.0025	0.026	0.0025	0.0028	0.0025	ND	0.0025	0.0091	0.0025	0.020	0.0025	0.011	0.0025	0.0063	0.0025	0.0043	0.0025	0.008	0.0025	0.004	0.0025	0.0045	0.0025	0.0034	0.0025	0.0061	0.0025	0.0027		
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	100	350	100	350	100	500	25	120	50	180	50	230	50	200	100	420	50	290	20	200	20	260	500	ND	500	ND	500	ND	100	290	50	250		
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND		
Total Dissolved Solids	1,200	10	850	10	950	10	1200	10	570	10	660	10	730	10	680	10	820	10	790	10	750	10	710	10	730	10	740	10	700	30	710	30	680		
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0051	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	0.0066	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND		
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	7.44	NA	7.94	NA	7.04	NA	7.04	NA	7.48	NA	6.57	NA	7.25	NA	6.83	NA	8.05	NA	7.30	NA	7.37	NA	7.27	NA	7.09	NA	7.18	NA	7.06	NA	7.17		
Temperature	NA	NA	11.9	NA	13.4	NA	14.4	NA	13.3	NA	10.9	NA	13.2	NA	18.7	NA	10.60	NA	11.40	NA	11.90	NA	13.00	NA	12.83	NA	12.00	NA	11.90	NA	13.20	NA	13.70		
Conductivity	NA	NA	0.92	NA	0.89	NA	1.17	NA	0.83	NA	0.71	NA	0.72	NA	0.77	NA	0.823	NA	1.122	NA	1.010	NA	1.110	NA	1.039	NA	0.339	NA	0.297	NA	1.131	NA	1.120		
Dissolved Oxygen	NA	NA	2.82	NA	3.89	NA	1.05	NA	1.25	NA	0.34	NA	5.18	NA	6.38	NA	8.74	NA	0.39	NA	0.55	NA	0.35	NA	0.54	NA	0.22	NA	0.30	NA	2.02	NA	2.34		
ORP	NA	NA	99.9	NA	-15.8	NA	95.2	NA	-55.3	NA	2.1	NA	9.7	NA	92.0	NA	69.1	NA	23.5	NA	85.1	NA	16.6	NA	-63.2	NA	-14.7	NA	-28.5	NA	54.3	NA	-15.8		

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2020		5/5/2021		8/18/2021		11/3/2021		2/8/2022		5/23/2022		8/22/2022		11/7/2022		2/13/2023		5/9/2023		8/7/2023		11/27/2023		2/5/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.0030	ND ^1+
0.001	0.016	0.001	0.0089	0.001	0.0064	0.001	0.0073	0.001	0.013	0.001	0.0063	0.001	0.0077	0.001	0.0075	0.001	0.0092	0.0010	0.0078	0.0010	0.0095	0.0050	0.0089	0.0010	0.0087
0.0025	0.036	0.0025	0.032	0.0025	0.04	0.0025	0.037	0.0025	0.055	0.0025	0.041	0.0025	0.04	0.0025	0.024	0.0025	0.043	0.0025	0.049	0.0025	0.027	0.0050	0.022	0.0025	0.034
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND ^+	0.0010	ND	0.0010	ND	0.0010	ND ^+
0.5	3.3	0.5	3.2	0.5	3	0.5	2.7	0.5	3.3	0.5	2.5	0.5	3	0.25	2.5	0.05	2.5	0.5	2.2	0.05	2.4	0.40	2.6	0.50	2.9
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
2	17	2	17	2	41	6	50	2	36	4	41	4	30	10	33	4	29	10	62	4.0	63	4.0	60	4.0	46
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.001	0.0013	0.001	0.0011	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
0.002	ND	0.002	ND	0.002	0.0022	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
0.005	0.0055	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	0.0088	0.005	ND	0.01	0.01	0.005	ND	0.0050	ND	0.0100	ND	0.0050	0.0068	0.0050	ND
0.1	0.89	0.1	0.92	0.1	0.85	0.1	0.99	0.1	0.58	0.1	0.57	0.1	0.53	0.1	0.62	0.1	0.36	0.10	0.37	0.10	0.40	0.10	0.36	0.10	0.34
0.1	0.42	0.1	0.2	0.1	0.17	0.1	ND	0.1	0.42	0.1	0.11	0.1	0.12	0.1	0.11	0.1	0.19	0.10	ND *+	0.10	0.14	0.10	0.12	0.10	0.14
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
0.0025	0.2	0.0025	0.18	0.0025	0.15	0.0025	0.12	0.0025	0.14	0.0025	0.097	0.0025	0.085	0.0025	0.061	0.0025	0.094	0.0025	0.10	0.0025	0.066	0.0050	0.039	0.0025	0.045
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.020	ND
0.1	0.14	0.1	0.23	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.27	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.1	0.14	0.1	0.23	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.27	0.1	ND	0.1	ND	0.10	ND	0.10	ND F1	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.122	0.19	0.147	ND	0.223	ND	0.21	ND	0.13	0.176	0.209	ND	0.0775	0.116	0.218	ND	0.0868	0.236	0.189	0.302	0.115	0.115	0.123	0.486	0.153	ND
0.51	ND	0.401	ND	0.476	0.582	0.424	ND	0.358	0.577	0.39	ND	0.474	0.948	0.448	0.873	0.439	ND	0.550	ND	0.665	0.830	0.515	ND	0.804	ND
0.0025	ND	0.0025	0.0042	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0086	0.0025	ND	0.0025	0.0049	0.0025	0.0067	0.0025	ND	0.0050	ND	0.0025	0.0079
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
25	230	25	190	50	210	50	150	25	180	50	160	50	230	50	170	50	200	50	240	50	150	50	120	25	130
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND
10	590	10	510	10	570	10	510	10	660	10	500	10	670	10	370	10	540	10	550	10	440	10	380	10	450
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.050	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
NA	7.66	NA	7.46	NA	7.45	NA	7.36	NA	7.61	NA	8.05	NA	7.82	NA	7.47	NA	7.58	NA	7.16	NA	7.81	NA	7.63	NA	7.33
NA	11.50	NA	10.70	NA	13.00	NA	13.10	NA	12.00	NA	11.20	NA	13.00	NA	13.10	NA	11.90	NA	12.3	NA	13.2	NA	13.1	NA	12.4
NA	1.100	NA	0.792	NA	0.838	NA	0.702	NA	0.917	NA	0.596	NA	0.540	NA	0.465	NA	0.732	NA	0.774	NA	0.465	NA	0.494	NA	0.535
NA	0.54	NA	0.20	NA	0.15	NA	0.27	NA	0.28	NA	0.47	NA	0.57	NA	1.10	NA	1.50	NA	1.53	NA	1.13	NA	3.23	NA	2.54
NA	-45.6	NA	81.8	NA	58.9	NA	127.1	NA	154.5	NA	143.1	NA	107.7	NA	120.6	NA	100.0	NA	-11.1	NA	-110.0	NA	-74.1	NA	-63.3

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-05	Date	2/22/2017		5/15/2017		9/11/2017		11/30/2017		2/7/2018		5/31/2018		8/21/2018		11/7/2018		2/12/2019		5/14/2018		8/13/2019		11/20/2019		3/3/2020		4/22/2020		8/17/2020		11/19/2020	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.040	0.0010	0.0053	0.0010	0.076	0.0010	0.034	0.0010	0.017	0.0010	0.0086	0.0010	0.015	0.001	0.019	0.001	0.018	0.001	0.014	0.001	0.14	0.001	0.0071	0.001	0.007	0.001	0.0028	0.001	0.017	0.001	0.034
Barium	2.0	0.0025	0.061	0.0025	0.036	0.0025	0.046	0.0025	0.066	0.0025	0.067	0.0025	0.042	0.0025	0.028	0.0025	0.027	0.0025	0.026	0.0025	0.061	0.0025	0.033	0.0025	0.031	0.0025	0.031	0.0025	0.031	0.0025	0.04	0.0025	0.06
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND ^	0.001	ND	0.001	ND
Boron	2.0	5.0	42	0.50	7.7	5.0	44	5.0	47	5.0	41	1.0	10	5.0	41	5	43	5	47	1	11	0.5	4.9	1	5.4	1	17 B	1	5.4	5	31	5	29
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	10	82	2.0	73	2.0	71 F1	10	81	2.0	73	2.0	37	2.0	57	2	51 ^	2	60	2	37	2	28	2	20	2	18	2	12	2	21	2	32
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0011	0.0010	0.0014	0.001	0.001	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	0.0036	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoride	4.0	0.10	0.21	0.10	0.15	0.10	0.25	0.10	0.27	0.10	0.26	0.10	0.22	0.10	0.23	0.10	0.27	0.1	0.35	0.1	0.19	0.1	0.13	0.1	0.18	0.1	0.19	0.1	0.18	0.1	0.25	0.1	0.28
Iron	5.0	0.10	15	0.10	1.9	0.10	35	0.10	19	0.10	14	0.10	2.1	0.10	11	0.10	9.1	0.1	9.8	0.1	3.4	0.1	64	0.1	2.3	0.1	4.7	0.1	0.87	0.1	17	0.1	19
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	0.54	0.0025	0.12	0.0025	0.62	0.0025	0.63	0.0025	0.58	0.0025	0.20	0.0025	0.51	0.0025	0.43	0.0025	0.44	0.0025	0.13	0.0025	0.06	0.0025	0.086	0.0025	0.25	0.0025	0.083	0.0025	0.65	0.0025	0.64
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	0.0038	0.0020	0.0033	0.0020	ND	0.0020	ND	0.0020	0.0053	0.0020	0.0039	0.002	0.0043	0.002	0.003	0.002	0.0069	0.002	0.0046	0.002	0.007	0.002	0.0041	0.002	0.003	0.002	0.0023	0.002	ND
Nitrogen, Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.110	0.331	0.110	ND	0.0778	0.170	0.0771	0.284	0.0699	0.359	0.109	0.141	0.115	0.545	0.194	ND	0.273	ND	0.102	ND	0.219	ND	0.131	ND	0.153	ND	0.108	ND	0.109	0.137	0.362	0.431
Radium 228	20	0.443	0.805	0.531	0.703	0.474	ND	0.332	1.29	0.338	1.33	0.386	0.986	0.544	ND	0.411	ND	0.385	ND	0.339	ND	0.554	ND	0.441	ND	0.447	ND	0.536	ND	0.414	ND	0.459	0.739
Selenium	0.05	0.0025	ND	0.0025	0.0041	0.0025	0.0071	0.0025	ND	0.0025	ND	0.0025	0.0032	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	0.0027	0.0025	ND	0.0025	0.004	0.0025	0.0049	0.0025	0.0046	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND ^	0.0005	ND	0.0005	ND
Sulfate	400.0	250	700	500	1100	250	750	100	790	250	700	250	960	250	680	250	580	250	890	40	1000	40	790	500	830	1300	ND	1000	ND	100	930	100	930
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	1700	10	2600	10	2000	10	1900	10	1900	10	2500	10	2100	10	1900	10	1800	10	2600	10	2100	10	2100	10	2100	10	1900	150	2000	150	2100
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	0.020	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	0.06	0.005	ND	0.005	ND	0.005	ND	0.005	0.0072	0.005	0.0051
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	7.46	NA	7.78	NA	6.89	NA	7.02	NA	7.08	NA	6.95	NA	7.13	NA	6.93	NA	7.00	NA	6.72	NA	6.75	NA	7.44	NA	6.75	NA	6.63	NA	6.58	NA	6.94
Temperature	NA	NA	14.8	NA	13.9	NA	14.6	NA	11.2	NA	11.0	NA	19.0	NA	16.9	NA	9.24	NA	12.20	NA	12.30	NA	20.40	NA	12.50	NA	11.70	NA	11.90	NA	12.80	NA	12.70
Conductivity	NA	NA	1.63	NA	2.20	NA	1.79	NA	1.48	NA	1.55	NA	2.12	NA	1.55	NA	1.485	NA	1.873	NA	2.520	NA	2.660	NA	2.388	NA	0.431	NA	0.370	NA	2.401	NA	2.446
Dissolved Oxygen	NA	NA	1.46	NA	5.90	NA	0.58	NA	1.44	NA	0.23	NA	4.29	NA	1.87	NA	4.11	NA	0.21	NA	0.29	NA	1.50	NA	1.46	NA	0.25	NA	0.30	NA	6.00	NA	1.90
ORP	NA	NA	-29.1	NA	-20.7	NA	-68.1	NA	58.5	NA	52.2	NA	-10.9	NA	-15.4	NA	-15.8	NA	-93.5	NA	-41.5	NA	146.9	NA	-17.1	NA	-74.1	NA	-11.3	NA	151.0	NA	-110.5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2021		5/7/2021		8/20/2021		11/5/2021		2/9/2022		5/24/2022		8/22/2022		11/8/2022		2/15/2023		5/10/2023		8/7/2023		11/29/2023		2/7/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.060	ND ^1+
0.001	0.04	0.001	0.021	0.001	0.017	0.001	0.039	0.001	0.045	0.001	0.0071	0.001	0.022	0.001	0.023	0.001	0.029	0.0010	0.0081	0.0010	0.021	0.0050	0.025	0.020	0.026
0.0025	0.054	0.0025	0.049	0.0025	0.042	0.0025	0.041	0.0025	0.038	0.0025	0.031	0.0025	0.042	0.0025	0.04	0.0025	0.037	0.0025	0.030	0.0025	0.048	0.0050	0.040	0.050	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND ^+	0.0010	ND	0.0010	ND	0.020	ND ^1+ F2
5	33	5	33	5	29	5	25	5	24	1	8.7	5	21	5	24	2.5	21	5.0	17	2.5	26	2.0	24	1.0	22
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
2	31	2	20	2	21	2	24	2	20	2	9.9	2	13	2	15	2	21	2.0	17	2.0	25	2.0	29	2.0	35
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND ^+
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^+
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.005	0.0065	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.01	ND	0.005	ND	0.0050	ND	0.0100	ND	0.0050	ND	0.0050	ND
0.1	0.29	0.1	0.28	0.1	0.26	0.1	0.27	0.1	0.25	0.1	0.16	0.1	0.24	0.1	0.31	0.1	0.24	0.10	0.20	0.10	0.22	0.10	0.22	0.10	0.19
0.1	14	0.1	12	0.1	11	0.1	12	0.1	12	0.1	1.8	0.1	14	0.1	15	0.1	13	0.10	2.0	0.10	15	0.10	12	2.0	14
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
0.0025	0.54	0.0025	0.65	0.0025	0.59	0.0025	0.54	0.0025	0.55	0.0025	0.28	0.0025	0.68	0.0025	0.69	0.0025	0.55	0.0025	0.38	0.0025	0.64	0.0050	0.53	0.050	0.62
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0034	0.002	ND	0.002	ND	0.002	ND	0.0020	0.0038	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.102	0.337	0.235	ND	0.167	0.418	0.127	0.25	0.123	0.298	0.167	0.186	0.0953	0.188	0.288	0.397	0.128	0.279	0.193	0.228	0.118	0.185	0.228	0.406	0.136	0.272
0.63	1.31	0.602	1.32	0.408	0.996	0.385	1.52	0.379	0.927	0.727	0.875	1.01	ND G	0.52	2.05	0.523	0.998	0.565	ND	0.564	1.32	0.496	0.749	0.538	0.962
0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0071	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND ^+
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
100	880	100	850	100	800	100	700	100	670	250	990	500	550	100	660	250	510	250	560	250	660	100	630	50	490
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND ^+
10	1800	10	1700	10	1100	10	1600	10	1300	10	2400	10	1600	10	1400	10	1200	10	1500	10	1600	10	1500	10	1300
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND ^+
0.02	ND	0.02	ND	0.02	0.02	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^+
NA	7.02	NA	7.00	NA	6.99	NA	6.90	NA	7.08	NA	6.61	NA	6.90	NA	6.63	NA	6.97	NA	6.76	NA	6.84	NA	6.97	NA	7.06
NA	11.70	NA	12.00	NA	13.40	NA	12.70	NA	11.80	NA	12.10	NA	13.10	NA	12.10	NA	11.60	NA	12.1	NA	12.8	NA	11.8	NA	11.7
NA	2.744	NA	1.996	NA	1.924	NA	1.921	NA	1.749	NA	2.806	NA	1.553	NA	1.455	NA	1.492	NA	1.687	NA	1.292	NA	1.370	NA	1.323
NA	0.32	NA	0.13	NA	0.14	NA	0.15	NA	0.23	NA	0.56	NA	0.46	NA	2.48	NA	1.29	NA	2.05	NA	1.32	NA	3.44	NA	3.21
NA	-97.2	NA	-100.6	NA	-87.0	NA	-91.3	NA	24.6	NA	162.5	NA	-53.2	NA	-2.0	NA	104.0	NA	-12.0	NA	-131.3	NA	-97.1	NA	-132.6

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-06	Date	2/22/2017		5/15/2017		9/11/2017		11/28/2017		2/8/2018		5/30/2018		8/21/2018		11/7/2018		2/12/2019		5/16/2019		8/13/2019		11/20/2019		3/3/2020		4/22/2020		8/18/2020		11/19/2020	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0039	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.0087	0.0010	0.0055	0.0010	0.0047	0.0010	0.0069	0.0010	0.0026	0.0010	0.0036	0.0010	0.0027	0.001	0.0043	0.001	0.014	0.001	0.0055	0.001	0.0037	0.001	0.0037	0.001	0.0023	0.001	0.0015	0.001	0.0028	0.001	0.0026
Barium	2.0	0.0025	0.073	0.0025	0.086	0.0025	0.11	0.0025	0.070	0.0025	0.075	0.0025	0.087	0.0025	0.092	0.0025	0.17	0.0025	0.25	0.0025	0.094	0.0025	0.2	0.0025	0.2	0.0025	0.16	0.0025	0.12	0.0025	0.12	0.0025	0.11
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	0.0010	0.0010	0.0010	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND ^	0.001	ND	0.001	ND
Boron	2.0	1.0	8.9	0.25	1.8	0.25	3.2	1.0	6.6	0.25	2.0	0.050	0.98	0.50	0.50	0.25	1.5	0.25	1.3	5	26	0.5	3.8	1	4.6	1	2.0	0.25	2.0	0.25	1.2	0.5	2.1
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	2.0	44	10	100	10	120	10	85	10	86	2.0	89	2.0	62	10	130 ^	10	160	2	38	10	180	10	190	10	200	10	140	10	100	2	64
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0027	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	0.0059	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoride	4.0	0.10	0.21	0.10	0.34	0.10	0.30	0.10	0.31	0.10	0.29	0.10	0.34	0.10	0.26	0.10	0.4	0.1	0.3	0.1	0.23	0.1	0.25	0.1	0.31	0.1	0.31	0.1	0.36	0.1	0.4	0.1	0.37
Iron	5.0	0.10	12	0.10	7.7	0.10	9.2	0.10	5.6	0.10	5.3	0.10	4.3	0.10	3.1	0.10	7.6	0.1	16	0.1	6.8	0.1	9.9	0.1	12	0.1	9.5	0.1	3.8	0.1	6	0.1	8.3
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	0.47	0.0025	0.20	0.0025	0.36	0.0025	0.25	0.0025	0.25	0.0025	0.14	0.0025	0.10	0.0025	0.21	0.0025	0.28	0.0025	0.24	0.0025	0.34	0.0025	0.29	0.0025	0.26	0.0025	0.17	0.0025	0.14	0.0025	0.36
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Nitrogen, Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.19	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.11	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10 F1 F2	0.10	0.19	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	0.11	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.146	0.255	0.116	0.227	0.0850	0.385	0.0656	0.283	0.0749	0.416	0.105	ND	0.0917	0.0495	0.209	0.294	0.222	0.85	0.0948	0.438	0.221	0.518	0.104	0.54	0.109	0.545	0.116	0.272	0.145	0.374	ND	0.478
Radium 228	20	0.475	ND	0.413	0.651	0.381	0.566	0.435	ND	0.383	ND	0.415	0.436	0.342	ND	0.397	ND	0.395	1.27	0.408	1.18	0.660	1.16	0.419	0.734	0.443	1.37	0.698	1.1	0.534	1.48	ND	0.606
Selenium	0.05	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	0.0025	0.0025	0.029	0.0025	ND	0.0025	0.0031	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	100	290	50	130	50	190	25	100	20	150	20	89	50	170	50	110	100	290	40	390	40	310	500	ND	500	ND	130	ND	25	58	50	350
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	930	10	730	10	940	10	810	10	690	10	620	10	860	10	840	10	1200	10	1300	10	1300	10	1400	10	1300	10	880	30	590	60	1300
Vanadium	0.049	0.0050	0.0077	0.0050	0.0054	0.0050	ND	0.0050	0.0093	0.0050	ND	0.0050	0.0050	0.0050	0.0073	0.005	ND	0.005	0.012	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	0.021	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	7.35	NA	8.26	NA	7.08	NA	7.06	NA	7.52	NA	6.80	NA	7.24	NA	7.00	NA	7.17	NA	7.22	NA	7.72	NA	7.98	NA	7.09	NA	7.11	NA	6.98	NA	6.86
Temperature	NA	NA	11.4	NA	15.2	NA	13.8	NA	11.9	NA	7.5	NA	16.2	NA	19.4	NA	8.03	NA	9.20	NA	11.00	NA	12.50	NA	11.84	NA	8.40	NA	7.90	NA	13.00	NA	12.30
Conductivity	NA	NA	1.00	NA	0.87	NA	1.13	NA	0.92	NA	0.74	NA	0.85	NA	0.80	NA	1.060	NA	1.765	NA	1.310	NA	1.910	NA	2.163	NA	0.464	NA	0.327	NA	1.243	NA	1.866
Dissolved Oxygen	NA	NA	1.66	NA	8.11	NA	0.33	NA	4.29	NA	0.94	NA	7.10	NA	2.70	NA	3.12	NA	0.19	NA	0.17	NA	0.29	NA	0.49	NA	0.21	NA	0.21	NA	0.12	NA	2.07
ORP	NA	NA	7.9	NA	-116.2	NA	-113.6	NA	-45.8	NA	-81.3	NA	0.9	NA	24.6	NA	-55.8	NA	-89.9	NA	-168.6	NA	-130.6	NA	-115.0	NA	-137.3	NA	-118.5	NA	-117.2	NA	-89.6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/2/2021		5/7/2021		8/20/2021		11/5/2021		2/9/2022		5/24/2022		8/22/2022		11/8/2022		2/15/2023		5/10/2023		8/7/2023		11.29/2023		2/7/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.030	ND ^1+
0.001	0.0028	0.001	0.0018	0.001	0.0021	0.001	0.0033	0.001	0.004	0.001	0.0013	0.001	0.003	0.001	0.0023	0.001	0.0010	0.0010	0.0013	0.0010	0.0043	0.0050	ND	0.010	ND
0.0025	0.082	0.0025	0.07	0.0025	0.061	0.0025	0.065	0.0025	0.077	0.0025	0.082	0.0025	0.13	0.0025	0.12	0.0025	0.086	0.0025	0.30	0.0025	0.22	0.0050	0.18	0.025	0.22
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND ^+	0.0010	ND	0.0010	ND	0.010	ND ^1+
2.5	4.0	0.25	1.6	0.25	0.91	1	24	0.25	0.68	0.5	3.1	1	3.8	0.5	3.5	2.5	8.4	0.50	2.1	0.05	1.0	0.20	1.6	0.50	2.6
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
2	49	10	56	10	52	6	42	2	39	4	37	4	30	10	39	2	26	2.0	42	4.0	52	2.0	47	2.0	45
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND ^+
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^+
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.01	ND	0.005	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND
0.1	0.33	0.1	0.34	0.1	0.38	0.1	0.38	0.1	0.29	0.1	0.3	0.1	0.31	0.1	0.35	0.1	0.26	0.10	0.28	0.10	0.31	0.10	0.24	0.10	0.22
0.1	4.9	0.1	3.4	0.1	2.4	0.1	4	0.1	9.6	0.1	3.6	0.1	6.3	0.1	6.1	0.1	0.49	0.10	1.4	0.10	8.5	0.10	4.7	1.0	2.0
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
0.0025	0.19	0.0025	0.2	0.0025	0.13	0.0025	0.34	0.0025	0.18	0.0025	0.25	0.0025	0.33	0.0025	0.31	0.0025	0.16	0.0025	0.13	0.0025	0.22	0.0050	0.24	0.025	0.20
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	0.49	0.10	ND	0.10	ND	0.10	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	0.49	0.10	ND	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.1	0.312	0.132	0.217	0.195	ND	0.168	0.466	0.143	ND	0.15	ND	0.0902	0.342	0.287	0.323	0.093	0.211	0.239	ND	0.148	0.382	0.153	0.472	0.111	0.278
0.47	ND *	0.46	0.552	0.481	ND	0.518	ND	0.427	ND	0.576	ND	0.508	ND	0.497	1.2	0.521	ND	0.556	ND	0.637	0.637	0.620	ND	0.483	0.681
0.0025	0.03	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.028	0.0025	0.0049	0.0025	ND	0.0050	ND	0.0025	ND ^+
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
25	190	25	99	5	17	15	89	10	57	25	110	50	150	50	130	50	250	50	60	25	ND	10	81	10	70
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND ^+
10	660	10	530	10	350	10	560	10	440	10	580	10	930	10	760	10	790	10	590	10	560	10	670	10	640
0.005	ND	0.005	ND	0.005	ND	0.005	0.0059	0.005	0.0072	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND ^+
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^+
NA	7.16	NA	7.21	NA	7.20	NA	7.19	NA	7.35	NA	7.22	NA	6.81	NA	6.71	NA	6.86	NA	7.23	NA	7.02	NA	6.99	NA	7.21
NA	7.30	NA	8.40	NA	13.30	NA	11.60	NA	8.40	NA	8.10	NA	14.30	NA	12.50	NA	7.40	NA	9.0	NA	15.2	NA	12.3	NA	7.2
NA	1.269	NA	1.010	NA	0.826	NA	0.955	NA	0.791	NA	0.968	NA	1.086	NA	0.998	NA	1.177	NA	0.934	NA	0.712	NA	0.834	NA	0.840
NA	0.44	NA	2.07	NA	0.18	NA	0.12	NA	0.35	NA	0.51	NA	0.60	NA	1.37	NA	2.26	NA	2.65	NA	1.13	NA	3.09	NA	4.98
NA	-53.9	NA	-66.4	NA	-55.6	NA	-60.3	NA	5.4	NA	39.4	NA	-10.0	NA	-1.1	NA	106.8	NA	-61.5	NA	-164.5	NA	-97.4	NA	-48.0

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

MW-07	Date	2/22/2017		5/16/2017		9/11/2017		11/28/2017		2/6/2018		5/30/2018		8/21/2018		11/7/2018		2/12/2019		5/16/2019		8/13/2019		11/20/2019		3/3/2020		4/22/2020		8/18/2020		11/19/2020	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND
Arsenic	0.010	0.0010	0.010	0.0010	0.0095	0.0010	0.011	0.0010	0.0084	0.0010	0.0088	0.0010	0.0075	0.0010	0.0075	0.001	0.0088	0.001	0.012	0.001	0.015	0.001	0.021	0.001	0.0097	0.001	0.0093	0.001	0.0082	0.001	0.0085	0.001	0.008
Barium	2.0	0.0025	0.096	0.0025	0.087	0.0025	0.085	0.0025	0.076	0.0025	0.077	0.0025	0.085	0.0025	0.076	0.0025	0.085	0.0025	0.11	0.0025	0.092	0.0025	0.08	0.0025	0.062	0.0025	0.058	0.0025	0.058	0.0025	0.061	0.0025	0.066
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.001	ND ^	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND ^	0.001	ND	0.001	ND
Boron	2.0	5.0	49	1.0	50	5.0	50	5.0	38	5.0	35	5.0	41	5.0	44	5	50	5	35	5	23	5	36	5	21	5	23	5	20	5	21	5	27
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Chloride	200.0	2.0	65	2.0	49	2.0	46	2.0	56	2.0	53	2.0	41	2.0	52	2	55 ^	2	56	10	83	10	79	2	42	2	70	2	52	2	26	2	49
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	0.008	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.001	ND	0.001	0.0024	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND
Copper	0.65	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	0.01	0.002	0.0046	0.002	0.0032	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Cyanide, Total	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	0.010	0.010	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND	0.01	ND
Fluoride	4.0	0.10	0.25	0.10	0.31	0.10	0.32	0.10	0.36	0.10	0.33	0.10	0.29	0.10	0.29	0.10	0.31	0.1	0.25	0.1	0.25	0.1	0.27	0.1	0.27	0.1	0.29	0.1	0.3	0.1	0.27	0.1	0.33
Iron	5.0	0.10	18	0.10	19	0.10	16	0.10	13	0.10	14	0.10	16	0.10	16	0.10	19	0.1	22	0.1	21	0.1	23	0.1	20	0.1	15	0.1	19	0.1	22	0.1	19
Lead	0.0075	0.00050	0.0010	0.00050	0.00072	0.00050	ND	0.00050	ND	0.00050	0.00052	0.00050	0.00050	0.00050	0.00050	0.0005	0.00053	0.0005	0.0062	0.0005	0.00064	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Manganese	0.15	0.0025	0.62	0.0025	0.69	0.0025	0.61	0.0025	0.48	0.0025	0.44	0.0025	0.62	0.0025	0.54	0.0025	0.63	0.0025	0.58	0.0025	0.61	0.0025	0.55	0.0025	0.54	0.0025	0.38	0.0025	0.56	0.0025	0.6	0.0025	0.5
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.0017	0.00020	ND	0.00020	0.00020	0.00020	0.00020	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	0.0068	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Nitrogen, Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrate Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND
Nitrogen, Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
Radium 226	20	0.127	0.738	0.112	0.548	0.0720	0.544	0.0687	0.468	0.0741	0.556	0.118	0.539	0.0881	0.732	0.193	0.919	0.288	0.779	0.0926	0.494	0.181	0.550	0.134	0.355	0.141	0.441	0.103	0.378	0.116	0.641	0.557	ND
Radium 228	20	0.454	1.38	0.360	0.875	0.351	1.53	0.325	1.94	0.362	1.44	0.428	1.32	0.335	1.18	0.377	1.39	0.393	1.65	0.44	1.21	0.606	1.34	0.514	0.735	0.451	1.24	0.463	1.13	0.491	1.02	0.679	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	0.00050	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND
Sulfate	400.0	250	880	250	690	250	660	100	580	250	620	250	620	250	630	250	560	250	1000	40	530	40	680	1000	ND	500	530	500	ND	100	510	100	710
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND
Total Dissolved Solids	1,200	10	1900	10	1800	10	1800	10	1700	10	1700	10	1800	10	1900	10	1900	10	1700	10	1700	10	1700	10	1300	10	1500	10	1300	150	1100	150	1800
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	0.0050	0.005	ND	0.005	0.01	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.02	ND	0.02	0.033	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND
pH	6.5 - 9.0	NA	7.48	NA	7.97	NA	7.15	NA	7.31	NA	7.35	NA	6.65	NA	7.29	NA	6.50	NA	7.03	NA	7.02	NA	7.09	NA	7.84	NA	7.11	NA	6.96	NA	6.80	NA	7.01
Temperature	NA	NA	12.6	NA	15.1	NA	13.1	NA	12.9	NA	10.6	NA	15.2	NA	18.0	NA	9.07	NA	10.20	NA	11.50	NA	12.20	NA	12.74	NA	11.90	NA	11.40	NA	12.00	NA	13.60
Conductivity	NA	NA	1.57	NA	1.52	NA	1.54	NA	1.43	NA	1.41	NA	1.52	NA	1.49	NA	1.486	NA	1.999	NA	1.870	NA	2.230	NA	1.845	NA	0.421	NA	0.351	NA	1.982	NA	2.156
Dissolved Oxygen	NA	NA	1.71	NA	2.83	NA	0.46	NA	2.89	NA	6.68	NA	4.23	NA	3.22	NA	2.24	NA	0.24	NA	0.21	NA	0.31	NA	0.49	NA	0.02	NA	0.22	NA	0.17	NA	2.10
ORP	NA	NA	-26.8	NA	-93.2	NA	-126.2	NA	-57.6	NA	204.7	NA	-70.3	NA	-60.3	NA	-46.2	NA	-108.3	NA	-158.8	NA	-145.0	NA	-116.1	NA	-155.3	NA	-156.6	NA	-118.6	NA	-129.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I: Potable Resource Groundwater  
All values are in mg/L (ppm) unless otherwise noted.

B- Compound also detected in blank  
DL - Detection limit  
NA - Not Applicable  
ND - Not Detected

\* - LCS or LCSD is outside acceptable limits.  
^ - Instrument related QC outside limits.  
F1 - MS and/or MSD Recovery outside of limits.

Temperature °C degrees Celsius  
Conductivity ms/cm<sup>2</sup> milliSiemens/centimeters  
Dissolved Oxygen mg/L milligrams/liter  
Oxygen Reduction Potential (ORP) mV millivolts

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Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

3/1/2021		5/7/2021		8/20/2021		11/5/2021		2/9/2022		5/24/2022		8/23/2022		11/8/2022		2/15/2023		5/10/2023		8/7/2023		11/29/2023		2/7/2024	
DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.003	ND	0.0030	ND	0.0030	ND	0.0020	ND	0.15	ND ^1+
0.001	0.0087	0.001	0.0086	0.001	0.01	0.001	0.0089	0.001	0.011	0.001	0.0069	0.001	0.0068	0.001	0.0064	0.001	0.0070	0.0010	0.0067	0.0010	0.0062	0.0050	0.0066	0.050	ND
0.0025	0.082	0.0025	0.075	0.0025	0.064	0.0025	0.062	0.0025	0.072	0.0025	0.078	0.0025	0.05	0.0025	0.046	0.0025	0.058	0.0025	0.049	0.0025	0.046	0.0050	0.046	0.13	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND ^+	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.050	ND ^1+
5	39	5	48	5	49	5	45	5	40	5	32	5	41	5	33	5	28	5.0	28	5.0	33	2.0	24	2.5	25
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
2	20	4	17	2	20	2	24	2	19	2	11	2	15	2	16	2	20	2	31	2	22	2.0	24	2.0	34
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.001	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND ^+
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0026	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.005	0.0056	0.005	ND	0.005	ND	0.005	ND	0.005	0.0055	0.005	ND	0.005	ND	0.01	ND	0.005	ND	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND
0.1	0.29	0.1	0.28	0.1	0.27	0.1	0.29	0.1	0.29	0.1	0.24	0.1	0.3	0.1	0.38	0.1	0.26	0.10	0.29	0.10	0.29	0.10	0.28	0.10	0.25
0.1	27	0.1	27	0.1	29	0.1	23	0.1	21	0.1	20	0.1	17	0.1	16	0.1	17	0.10	12	0.10	16	0.10	16	5.0	16
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	0.0012	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
0.0025	0.73	0.0025	0.67	0.0025	0.7	0.0025	0.62	0.0025	0.52	0.0025	0.76	0.0025	0.54	0.0025	0.55	0.0025	0.76	0.0025	0.53	0.0025	0.57	0.0050	0.57	0.13	0.53
0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.0002	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	0.0022	0.002	ND	0.002	ND	0.002	0.0028	0.002	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^+
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.1	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
0.11	0.584	0.19	0.429	0.171	0.392	0.149	0.425	0.169	0.38	0.164	0.355	0.143	0.255	0.326	0.379	0.106	0.361	0.304	ND	0.140	0.278	0.224	0.407	0.108	0.258
0.515	1.5	0.571	1.89	0.429	1.15	0.45	1.72	0.614	1.16	0.543	1.4	0.543	ND *	0.634	1.79	0.437	1.27	0.853	ND	0.628	1.510	0.492	1.04	0.559	1.14
0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0050	ND	0.0025	ND ^+
0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND ^+
100	960	250	1000	250	1100	250	990	100	880	250	600	250	610	250	580	250	540	250	510	250	460	100	540	50	470
0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.002	ND	0.0020	ND	0.0020	ND	0.0010	ND	0.0020	ND ^+
10	1900	10	2000	10	1900	10	2000	10	1900	10	1600	10	1700	10	1300	10	1300	10	1300	10	1300	10	1400	10	1300
0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.005	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND ^+
0.02	0.032	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.02	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND ^+
NA	6.96	NA	6.98	NA	6.94	NA	6.96	NA	7.08	NA	6.87	NA	7.03	NA	6.80	NA	6.95	NA	7.05	NA	6.98	NA	6.99	NA	7.12
NA	11.50	NA	11.60	NA	12.70	NA	12.10	NA	11.90	NA	11.30	NA	12.10	NA	12.10	NA	11.30	NA	11.4	NA	12.0	NA	11.7	NA	9.9
NA	2.868	NA	2.239	NA	2.257	NA	2.241	NA	2.230	NA	1.895	NA	1.631	NA	1.446	NA	1.625	NA	1.575	NA	1.129	NA	1.330	NA	1.280
NA	0.30	NA	0.15	NA	0.26	NA	0.20	NA	0.21	NA	0.48	NA	0.61	NA	1.14	NA	1.40	NA	2.13	NA	1.28	NA	3.48	NA	4.37
NA	-104.1	NA	-110.0	NA	-91.8	NA	-95.7	NA	-41.1	NA	-23.0	NA	-48.4	NA	-65.9	NA	70.5	NA	-125.0	NA	-148.5	NA	-112.1	NA	-109.3

# **EXHIBIT 3**

Electronic Filing: Received, Clerk's Office 04/3/2024

DRAFT - Groundwater Analytical Results, Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Sample: MW-08		Date	2/18/2015		4/21/2015		8/12/2015		11/4/2015		2/29/2016		5/3/2016		8/25/2016		12/6/2016		2/23/2017		5/17/2017		9/13/2017		11/29/2017		5/30/2018		8/21/2018		11/7/2018		2/12/2019		5/15/		
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0045	0.0010	0.0067	0.0010	0.0050	0.0010	0.0058	0.0010	0.0044	0.0020	0.0044	0.0010	0.0050	0.0010	0.0058	0.0010	0.0042	0.0010	0.0024	0.0010	0.0057	0.0010	0.015	0.0010	0.0050	0.0010	0.0063	0.0010	0.0054	0.0010	0.0061	0.0010	0.0061	0.0010	
Barium	2.0	0.0025	0.14	0.0025	0.090	0.0025	0.12	0.0025	0.13	0.0025	0.14	0.0025	0.11	0.0025	0.15	0.0025	0.15	0.0025	0.10	0.0025	0.091	0.0025	0.14	0.0025	0.14	0.0025	0.086	0.0025	0.093	0.0025	0.081	0.0025	0.094	0.0025	0.094	0.0025	
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	24	2.5	23	5.0	22	2.5	22	5.0	27	5.0	26	2.5	24	5.0	30	5.0	32	5.0	21	5.0	28	5.0	29	5.0	26	5.0	26	5.0	26	5.0	26	5.0	28	5.0	
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0055	0.00050	ND	0.00050	0.00092	0.00050	ND	0.00050	0.0027	0.00050	0.00062	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
Chloride	200.0	2.0	30	2.0	48	2.0	30	2.0	36	2.0	40	2.0	57	2.0	23	2.0	58	2.0	17	2.0	57	2.0	30	2.0	26	2.0	50	2.0	11	2.0	32	2.0	63	2.0	63	2.0	
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.012	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0034	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.012	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	
Fluoride	4.0	0.10	0.21	0.10	0.24	0.10	0.26	0.10	0.27	0.10	0.24	0.10	0.26	0.10	0.24	0.10	0.23	0.10	0.23	0.10	0.17	0.10	0.23	0.10	0.28	0.10	0.19	0.10	0.22	0.10	0.21	0.10	0.21	0.10	0.21		
Iron	5.0	0.10	6.7	0.10	7.5	0.10	7.2	0.10	6.5	0.10	9.9	0.10	10	0.10	9.1	0.10	5.5	0.10	4.7	0.10	6.6	0.10	15	0.10	5.1	0.10	9.5	0.10	6	0.10	7.2	0.10	8.2	0.10	8.2		
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00058	0.00050	ND	0.00050	0.014	0.00050	0.00064	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
Manganese	0.15	0.0025	0.36	0.0025	0.27	0.0025	0.34	0.0025	0.28	0.0025	0.37	0.0025	0.37	0.0025	0.48	0.0025	0.32	0.0025	0.26	0.0025	0.24	0.0025	0.38	0.0025	0.34	0.0025	0.31	0.0025	0.25	0.0025	0.23	0.0025	0.28	0.0025	0.28		
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0024	0.0020	ND	0.0020	0.010	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	
Nitrogen/Nitrite, Nitrate	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	0.05	0.0025	0.0050	0.0025	ND	0.0025	0.0054	0.0025	0.0059	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0042	0.0025	0.031	0.0025	0.0043	0.0025	0.011	0.0025	0.0056	0.0025	0.032	0.0025	0.0036	0.0025	ND	0.0025	ND	0.0025	0.0025		
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
Sulfate	400.0	100	420	100	360	100	350	100	470	100	480	100	530	100	450	100	340	100	540	100	390	100	370	100	460	100	500	100	320	100	280	100	460	20	460		
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	
Total Dissolved Solids	1,200	10	1200	10	1100	10	1300	10	1100	10	1300	10	1300	10	1300	10	1300	10	1200	10	1200	10	1100	10	1200	10	1200	10	1000	10	1100	10	1200	10	1200		
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0057	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.019	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND		
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.037	0.020	ND	0.020	ND	0.020	0.054	0.020	ND	0.020	0.022	0.020	ND	0.020	ND	0.020	ND	0.020			
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0007	0.00050	ND	0.00050	ND	NA	NA	0.00050	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
BETX	11.705	0.0025	0.00057	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	NA	NA	0.0025	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
pH	6.5 - 9.0	NA	7.36	NA	7.15	NA	7.11	NA	6.30	NA	6.93	NA	7.00	NA	6.84	NA	6.79	NA	6.9	NA	8.36	NA	6.98	NA	7.19	NA	6.55	NA	7.21	NA	7.32	NA	7.40	NA	7.40		
Temperature	NA	NA	4.91	NA	8.13	NA	14.03	NA	13.78	NA	7.34	NA	9.71	NA	15.05	NA	12.22	NA	7.63	NA	12.48	NA	16.9	NA	11.71	NA	10.98	NA	15.08	NA	9.43	NA	9.0	NA			
Conductivity	NA	NA	1.000	NA	1.048	NA	1.148	NA	1.268	NA	1.021	NA	1.250	NA	1.198	NA	1.140	NA	0.985	NA	1.082	NA	1.360	NA	1.019	NA	1.0										



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DRAFT - Groundwater Analytical Results, Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Sample: ELUC MW-10	Date	2/18/2015		4/20/2015		8/11/2015		11/4/2015		3/2/2016		5/3/2016		8/26/2016		12/6/2016		2/23/2017		5/17/2017		9/12/2017		11/29/2017		5/31/2018		8/22/2018		11/8/2018		2/13/2019		5/16/	
		Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	
Arsenic	0.010	0.0010	0.12	0.0010	0.74	0.0010	ND	0.0010	0.63	0.0010	0.58	0.0010	0.46	0.0010	0.35	0.0010	0.42	0.0010	0.67	0.0010	0.49	0.0010	1.3	0.0050	2.6	0.0010	0.51	0.0010	0.37	0.0010	0.062	0.0010	0.028	0.0010	
Barium	2.0	0.0025	0.064	0.0025	0.075	0.0025	0.047	0.0025	0.066	0.0025	0.069	0.0025	0.057	0.0025	0.067	0.0025	0.066	0.0025	0.091	0.0025	0.099	0.0025	0.089	0.0025	0.12	0.0025	0.11	0.0025	0.079	0.0025	0.12	0.0025	0.091	0.0025	
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	
Boron	2.0	0.050	0.59	0.050	0.94	0.25	1.7	2.5	ND	0.50	1.9	0.10	1.9	0.25	0.96	0.25	1.0	0.25	1.3	0.25	1.1	0.050	1.0	0.25	1.2	0.25	1.1	0.050	0.86	0.050	0.44	0.050	0.57	0.050	
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
Chloride	200.0	2.0	49	10	98	2.0	36	10	82	10	120	10	110	10	110	10	140	10	180	10	160	10	170	10	160	10	95	2.0	68	2.0	15	2.0	53	2.0	
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0057	0.0050	0.0053	0.0050	0.014	0.0050	0.011	0.0050	0.0061	0.0050	ND	0.0050	0.012	0.0050	0.0064	0.0050	
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	0.0010	0.0010	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010		
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0042	0.0020	ND	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0022	0.0020	ND	0.0020
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	
Fluoride	4.0	0.10	0.19	0.10	0.11	0.10	0.15	0.10	0.15	0.10	0.13	0.10	0.13	0.10	0.17	0.10	0.15	0.10	0.14	0.10	0.13	0.10	0.16	0.10	0.15	0.10	0.14	0.10	0.12	0.10	ND	0.10	ND	0.10	
Iron	5.0	0.10	ND	0.10	6.4	0.10	0.49	0.10	8.6	0.10	14	0.10	11	0.10	7.3	0.10	4.7	0.10	11	0.10	7.9	0.10	18	0.10	25	0.10	5.4	0.10	4.6	0.10	0.60	0.10	ND	0.10	
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0022	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Manganese	0.15	0.0025	0.022	0.0025	0.19	0.0025	0.025	0.0025	0.20	0.0025	0.28	0.0025	0.22	0.0025	0.19	0.0025	0.14	0.0025	0.25	0.0025	0.21	0.0025	0.17	0.0025	0.17	0.0025	0.13	0.0025	0.16	0.0025	0.0067	0.0025	0.0034	0.0025	
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	
Nickel	0.1	0.0020	ND	0.0020	0.0023	0.0020	0.0047	0.0020	ND	0.0020	0.0021	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0031	0.0020	0.0039	0.0020	0.0025	0.0020	0.0028	0.0020	0.0021	0.0020	0.0033	0.0020	0.0044	0.0020	
Nitrogen/Nitrate	10.0	0.10	3.2	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	ND	0.10	ND	0.10	0.25	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	5.6	0.10	0.70	0.10	
Nitrogen/Nitrate, Nitrite	NA	0.20	3.2	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.31	0.10	ND	0.10	ND	0.10	ND	0.10	0.25	0.10	ND	0.50	ND	0.50	ND	0.50	ND	0.50	5.6	0.50	0.70	0.10	
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.068	0.020	ND	0.020	ND	0.020	ND	0.020	
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Selenium	0.05	0.0025	0.0041	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
Sulfate	400.0	50	170	50	240	20	77	50	190	50	140	20	110	50	130	25	120	50	140	50	130	25	130	25	120 F1	5.0	25	25	66	25	92	20	30	5.0	
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	
Total Dissolved Solids	1,200	10	740	10	920	10	370	10	950	10	940	10	810	10	930	10	890	10	1100	10	960	10	830	10	870	10	880	10	850	10	530	10	600	10	
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0059	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	
Zinc	5.0	0.020	ND	0.020	ND	0.020	0.036	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NA	NA	0.00050	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
BETX	11.705	0.0025	0.0039	0.0025	ND	0.0025	ND	0.0025	0.00067	0.0025	0.00055	0.0025	ND	NA	NA	0.0025	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
pH	6.5 - 9.0	NA	7.62	NA	7.26	NA	6.25	NA	6.15	NA	7.07	NA	6.85	NA	6.47	NA	7.14	NA	7.31	NA	8.24	NA	6.90	NA	7.19	NA	6.76	NA	7.24	NA	7.27	NA	7.53	NA	
Temperature	NA	NA	6.99	NA	8.87	NA	17.96	NA	13.05	NA	8.22	NA	10.47	NA	14.80	NA	11.61	NA	9.41	NA	12.02	NA	16.1	NA	10.03	NA	14.27	NA	16.23	NA	10.89	NA	6.8	NA	
Conductivity	NA	NA	0.680	NA	1.077	NA	0.510	NA	1.170	NA	1.049	NA	1.055	NA	1.128	NA	1.102	NA	1.266	NA	1.060	NA	.0953	NA	1.040	NA	1.200	NA	0.885	NA	0.578	NA	0.839	NA	
Dissolved Oxygen	NA	NA	2.66	NA	3.87	NA	1.46	NA	0.78	NA	1.20	NA	0.94	NA	0.42	NA	0.83	NA	0.85	NA	0.46	NA	1.86	NA	1.05	NA	2.13	NA	0.85	NA	10.37	NA	10.72	NA	
ORP	NA	NA	9.1	NA	-111.9	NA	10.7	NA	9.3	NA																									



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DRAFT - Groundwater Analytical Results, Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Sample: ELUC MW-12	Date	2/18/2015		4/20/2015		8/11/2015		11/4/2015		2/29/2016		5/4/2016		8/25/2016		12/6/2016		2/22/2017		5/17/2017		9/12/2017		11/29/2017		5/31/2018		8/22/2018		11/8/2018		2/13/2019		5/16/
		Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Arsenic	0.010	0.0010	0.0012	0.0010	0.012	0.0010	0.46	0.0010	0.0011	0.0010	0.0046	0.0020	0.0042	0.0010	0.0017	0.0010	0.0010	0.0010	0.020	0.0010	0.055	0.0010	0.012	0.010	0.32	0.0010	0.11	0.0010	0.015	0.0010	0.063	0.0010	0.038	0.0010
Barium	2.0	0.0025	0.081	0.0025	0.048	0.0025	0.065	0.0025	0.045	0.0025	0.11	0.0025	0.14	0.0025	0.098	0.0025	0.085	0.0025	0.11	0.0025	0.12	0.0025	0.066	0.0025	0.21	0.0025	0.24	0.0025	0.084	0.0025	0.14	0.0025	0.11	0.0025
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Boron	2.0	0.25	1.6	0.25	10	0.25	1.4	2.5	ND	5.0	8.4	5.0	18	1.0	4.9	0.50	2.0	0.25	1.5	0.25	16	1.0	5.1	0.50	2.6	5.0	28	0.25	1.2	5.0	34 ^	5.0	15	5.0
Cadmium	0.005	0.00050	0.0025	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0011	0.00050	0.00070	0.00050	0.0020	0.00050	ND	0.00050	0.00078	0.00050	0.0055	0.00050	0.0047	0.00050	0.00072	0.00050	0.0012	0.00050	0.00093	0.00050
Chloride	200.0	10	160	10	130	10	85	2.0	29	2.0	60	10	120	10	180	10	220	10	210	10	180	2.0	64	2.0	20	10	87	2.0	5.8	2.0	57	2.0	75	2.0
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.028	0.0050	ND	0.0050	0.011	0.0050	0.015	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Cobalt	1.0	0.0010	0.018	0.0010	0.0018	0.0010	ND	0.0010	0.0014	0.0010	0.0050	0.0010	0.0049	0.0010	0.0044	0.0010	0.0034	0.0010	0.0038	0.0010	0.0025	0.0010	0.0031	0.0010	0.0046	0.0010	0.0040	0.0010	0.0041	0.0010	0.0012	0.0010	0.0027	0.0010
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND	0.0020	0.0051	0.0020	ND	0.0020	0.0022	0.0020	0.0086	0.0020	0.011	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Fluoride	4.0	0.10	ND	0.10	0.22	0.10	0.15	0.10	0.13	0.10	0.14	0.10	0.19	0.10	0.12	0.10	0.11	0.10	0.12	0.10	0.21	0.10	0.17	0.10	0.17	0.10	0.26	0.10	0.18	0.10	0.29	0.10	0.21	0.10
Iron	5.0	0.10	1.2	0.10	2.1	0.10	4.7	0.10	0.48	0.10	2.2	0.10	2.3	0.10	3.5	0.10	1.6	0.10	39	0.10	6.4	0.10	3.5	0.10	110	0.10	75	0.10	2.6	0.10	12	0.10	7.9	0.10
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Manganese	0.15	0.0025	0.70	0.0025	0.16	0.0025	0.17	0.0025	0.069	0.0025	0.29	0.0025	0.33	0.0025	0.32	0.0025	0.22	0.0025	0.21	0.0025	0.33	0.0025	0.23	0.0025	0.35	0.0025	0.35	0.0025	0.26	0.0025	0.22	0.0025	0.16	0.0025
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	0.00022	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nickel	0.1	0.0020	0.075	0.0020	0.0071	0.0020	ND	0.0020	0.0047	0.0020	0.0075	0.0020	0.0079	0.0020	0.011	0.0020	0.0096	0.0020	0.022	0.0020	0.0048	0.0020	0.0048	0.0020	0.010	0.0020	0.0093	0.0020	0.0037	0.0020	0.0021	0.0020	0.0041	0.0020
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.20	0.10	ND	0.10	ND	0.10	1.4	0.10	0.48	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	15	0.10	ND	0.10	1.8	0.10
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.20	0.10	ND	0.10	ND	0.10	1.4	0.10	0.48	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	15 F1	0.10	ND	0.10	1.8	0.10
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.075	0.020	0.043	0.020	0.022	0.020	ND	0.020
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	0.0025	0.0027	0.0025	ND	0.0025	ND	0.0025	ND ^	0.0025	ND	0.0050	ND	0.0025	ND	0.0025	0.0035	0.0025	0.0051	0.0025	ND	0.0025	ND	0.0025	0.011	0.0025	0.0067	0.0025	ND	0.0025	ND	0.0025	ND	0.0025
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Sulfate	400.0	100	400	50	200	50	180	10	47	50	180	100	350	50	170	25	100	25	65	100	240	20	85	20	69	5.0	15	10	31	5.0	19	50	290	40
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Total Dissolved Solids	1,200	10	1400	10	890	10	900	10	900	10	720	10	980	10	820	10	830	10	740	10	1100	10	420	10	350	10	1100	10	340	10	1200	10	860	10
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.022	0.0050	0.0066	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Zinc	5.0	0.020	0.74	0.020	0.030	0.020	ND	0.020	0.036	0.020	0.051	0.020	0.040	0.020	0.10	0.020	0.081	0.020	0.17	0.020	0.048	0.020	0.048	0.020	0.30	0.020	0.22	0.020	0.029	0.020	0.037	0.020	0.036	0.020
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	NA	NA	0.00050	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00095	0.0025	ND	0.0025	ND	NA	NA	0.0025	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	6.5 - 9.0	NA	6.48	NA	6.96	NA	6.88	NA	5.49	NA	6.79	NA	6.85	NA	6.02	NA	6.62	NA	6.89	NA	8.14	NA	6.75	NA	6.83	NA	6.73	NA	6.99	NA	7.38	NA	7.03	NA
Temperature	NA	NA	2.30	NA	9.17	NA	14.26	NA	15.79	NA	6.05	NA	9.13	NA	20.11	NA	12.22	NA	9.83	NA	13.76	NA	19.7	NA	12.47	NA	14.89	NA	17.29	NA	11.63	NA	4.2	NA
Conductivity	NA	NA	1.14	NA	1.145	NA	1.130	NA	0.435	NA	0.641	NA	0.989	NA	1.108	NA	0.859	NA	0.865	NA	1.107	NA	.0614	NA	.447	NA	1.030	NA	0.314	NA	1.082	NA	1.106	NA
Dissolved Oxygen	NA	NA	2.57	NA	4.06	NA	0.89	NA	1.79	NA	1.14	NA	1.06	NA	0.65	NA	2.04	NA	2.73	NA	0.46	NA	0.87	NA	1.26	NA								



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DRAFT - Groundwater Analytical Results, Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Sample: ELUC MW-15		Date	2/18/2015		4/20/2015		8/11/2015		11/3/2015		2/29/2016		5/3/2016		8/23/2016		12/6/2016		2/22/2017		5/17/2017		9/12/2017		11/29/2017		5/30/2018		8/22/2018		11/7/2018		2/13/2019		5/16/		
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	
Antimony	0.006	NS	NS	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030
Arsenic	0.010	NS	NS	0.0010	0.0061	0.0010	0.32	0.0010	0.010	0.0010	0.0074	0.0020	0.0060	0.0010	0.0088	0.0010	0.0098	0.0010	0.040	0.0010	0.031	0.0010	0.028	0.010	0.052	0.0010	0.015	0.0010	0.012	0.0010	0.010	0.0010	0.010	0.0010	ND	0.0010	
Barium	2.0	NS	NS	0.0025	0.082	0.0025	0.045	0.0025	0.083	0.0025	0.11	0.0025	0.092	0.0025	0.10	0.0025	0.086	0.0025	0.087	0.0025	0.092	0.0025	0.099	0.0025	0.082	0.0025	0.097	0.0025	0.096	0.0025	0.11	0.0025	0.070	0.0025	0.0025		
Beryllium	0.004	NS	NS	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010
Boron	2.0	NS	NS	0.50	4.8	0.25	1.1	2.5	6.8	5.0	12	5.0	10	1.0	8.0	0.50	2.6	0.50	4.2	0.50	5.8	1.0	9.8	0.50	2.9	1.0	4.5	1.0	6.9	1.0	7.1	0.50	3.6	0.50	0.50		
Cadmium	0.005	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050
Chloride	200.0	NS	NS	2.0	47	10	160	2.0	58	2.0	55	10	76	10	93	10	88	2.0	66	2.0	50	2.0	44	10	78	2.0	30	2.0	47	2.0	17	2.0	9.5	2.0	2.0		
Chromium	0.1	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050
Cobalt	1.0	NS	NS	0.0010	0.0014	0.0010	ND	0.0010	0.0014	0.0010	0.0019	0.0010	0.0016	0.0010	0.0013	0.0010	0.0012	0.0010	0.0011	0.0010	0.0012	0.0010	0.0025	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	0.0012	0.0010	ND	0.0010	0.0010	0.0010	0.0010
Copper	0.65	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0047	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	0.0020
Cyanide	0.2	NS	NS	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010
Fluoride	4.0	NS	NS	0.10	0.25	0.10	0.19	0.10	0.28	0.10	0.23	0.10	0.25	0.10	0.27	0.10	0.25	0.10	0.33	0.10	0.25	0.10	0.26	0.10	0.29	0.10	0.20	0.10	0.24	0.10	0.21	0.10	0.15	0.10	0.10		
Iron	5.0	NS	NS	0.10	4.4	0.10	1.8	0.10	11	0.10	17	0.10	13	0.10	12	0.10	11	0.10	17	0.10	15	0.10	15	0.10	13	0.10	5.9	0.10	8.9	0.10	8.6	0.10	1.0	0.10	0.10		
Lead	0.0075	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0018	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050
Manganese	0.15	NS	NS	0.0025	0.35	0.0025	0.13	0.0025	0.48	0.0025	0.56	0.0025	0.50	0.0025	0.47	0.0025	0.43	0.0025	0.36	0.0025	0.37	0.0025	0.41	0.0025	0.29	0.0025	0.16	0.0025	0.31	0.0025	0.35	0.0025	0.12	0.0025	0.0025		
Mercury	0.002	NS	NS	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020
Nickel	0.1	NS	NS	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	0.0031	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0046	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020
Nitrogen/Nitrate	10.0	NS	NS	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10
Nitrogen/Nitrate, Nitrite	NA	NS	NS	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10
Nitrogen/Nitrite	NA	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020
Perchlorate	0.0049	NS	NS	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	NS	NS	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0030	0.0025	
Silver	0.05	NS	NS	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050
Sulfate	400.0	NS	NS	50	240	25	130	50	250	100	400	100	370	50	330	50	200	100	210	100	230	100	290	25	120	5.0	29	50	240	50	88	25	79	2.0	2.0		
Thallium	0.002	NS	NS	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020
Total Dissolved Solids	1,200	NS	NS	10	810	10	1000	10	320	10	1100	10	1000	10	1100	10	890	10	860	10	1100	10	950	10	660	10	650	10	930	10	700	10	610	10	10		
Vanadium	0.049	NS	NS	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050
Zinc	5.0	NS	NS	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.035	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020
Benzene	0.005	NS	NS	0.00050	ND	0.00050	ND	0.00050	0.00056	0.00050	ND	0.00050	ND	NA	NA	0.00050	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BETX	11.705	NS	NS	0.0025	ND	0.0025	ND	0.0025	0.00206	0.0025	ND	0.0025	0.0017	NA	NA	0.0025	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH	6.5 - 9.0	NS	NS	NA	6.78	NA	6.69	NA	6.26	NA	6.96	NA	7.05	NA	6.64	NA	6.91	NA	6.78	NA	8.19	NA	6.8	NA	7.15	NA	6.52	NA	7.43	NA	6.78	NA	6.86	NA	NA	NA	
Temperature	NA	NS	NS	NA	7.79	NA	14.22	NA	13.46	NA	8.40	NA	9.93	NA	15.67	NA	11.86	NA	10.67	NA	11.39	NA	15.1	NA	10.85	NA	12.56	NA	14.11	NA	10.50	NA	5.0	NA	NA		
Conductivity	NA	NS	NS	NA	0.840	NA	1.024	NA	1.120	NA	1.003	NA	1.034	NA	1.171	NA	0.843	NA	0.858	NA																	

