EXHIBIT I:

New violations at Joliet 29, Powerton, Waukegan, and Will County Generating Stations.

The violations listed in the following tables were identified in Midwest Generation groundwater monitoring reports from the second, third, and fourth quarters of 2012 and the first quarter of 2013, attached hereto as Exhibits B, C, D, and E. These groundwater monitoring reports were obtained from the Illinois Environmental Protection Agency on May 24, 2013 in response to Freedom of Information Act (FOIA) (5 ILCS 140/1 et seq.) request 77077. The MWG groundwater monitoring data for Joliet 29, Powerton, Waukegan, and Will County used to identify the following violations was unobtainable at the time the complaint was filed.

The complaint listed violations through the first quarter of 2012. (Compl. ¶¶ 42-50, Ex. B-C.) The following tables list violations during the second, third, and fourth quarters of 2012 and the first quarter of 2013.

Some wells were not sampled in all of the three quarters identified above:

- Joliet 29 well MW-1 was only sampled once during this period, in the third quarter of 2012.
- Joliet 29 well MW-2 was not sampled in the second quarter of 2012.
- Powerton wells MW-13, MW-14, and MW-15 were not sampled in the second and third quarters of 2012.

Finally, three wells were installed in late 2012 and only sampled once or twice: Powerton well MW-16 and Waukegan wells MW-6 and MW-7. Powerton well MW-16 and Waukegan well MW-6 appear to be upgradient of the ash ponds at each site. Waukegan well MW-7 is immediately adjacent to the Waukegan ash ponds and is likely to be affected by the ponds.

Table A.1: Open dumping violations at Joliet 29, Powerton, Waukegan, and Will County, 2nd quarter of 2012 through 1st quarter of 2013. Listed values exceed the Maximum Contaminant Levels (MCLs) found at 40 C.F.R. Pt. 257, Appendix I. (415 ILCS § 5/21(a); 40 C.F.R. §§ 257.1, 257.3-4.)

	Plant	Well	Pollutant	Sample value (mg/L)	MCL (mg/L)	Collection date
1	Joliet 29	MW-6	Selenium	0.013	0.010	3/5/2013
2	Powerton	MW-4	Selenium	0.013	0.010	2/27/2013
3	Powerton	MW-7	Arsenic	0.150	0.050	6/25/2012
4	Powerton	MW-7	Arsenic	0.180	0.050	9/18/2012
5	Powerton	MW-7	Arsenic	0.260	0.050	12/12/2012
6	Powerton	MW-7	Arsenic	0.170	0.050	2/27/2013
7	Powerton	MW-9	Selenium	0.015	0.010	2/27/2013
8	Powerton	MW-9	Nitrate	12	10	2/27/2013
9	Powerton	MW-14	Selenium	0.150	0.010	2/28/2013
10	Powerton	MW-16	Nitrate	23	10	2/28/2013
11	Waukegan	MW-1	Arsenic	0.070	0.050	6/18/2012
12	Waukegan	MW-1	Arsenic	0.070	0.050	9/28/2012
13	Waukegan	MW-1	Arsenic	0.091	0.050	12/19/2012
14	Waukegan	MW-1	Arsenic	0.098	0.050	3/7/2013
15	Waukegan	MW-1	Selenium	0.013	0.010	6/18/2012
16	Waukegan	MW-1	Selenium	0.056	0.010	3/7/2013
17	Waukegan	MW-3	Selenium	0.011	0.010	3/7/2013
18	Will County	MW-4	Selenium	0.015	0.010	3/6/2013
19	Will County	MW-5	Selenium	0.017	0.010	9/24/2012
20	Will County	MW-6	Selenium	0.014	0.010	9/24/2012

Table A.2. Violations of Illinois Class I groundwater standards at Joliet 29, 2nd quarter 2012 through 1st quarter 2013. (415 ILCS §§ 5/12(a),(d); 35 Ill. Admin. Code § 620.410.)

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
1	Joliet 29	MW-2	Chloride	260	200	3/5/2013
2	Joliet 29	MW-3	Chloride	260	200	6/19/2012
3	Joliet 29	MW-3	Chloride	330	200	9/19/2012
4	Joliet 29	MW-3	Chloride	290	200	12/20/2012
5	Joliet 29	MW-3	Chloride	260	200	3/5/2013
6	Joliet 29	MW-4	Chloride	270	200	6/19/2012
7	Joliet 29	MW-4	Chloride	260	200	9/19/2012
8	Joliet 29	MW-4	Chloride	250	200	12/20/2012
9	Joliet 29	MW-4	Chloride	230	200	3/5/2013
10	Joliet 29	MW-5	Chloride	220	200	6/19/2012
11	Joliet 29	MW-5	Chloride	240	200	9/19/2012
12	Joliet 29	MW-5	Chloride	210	200	12/20/2012

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
13	Joliet 29	MW-5	Chloride	230	200	3/5/2013
14	Joliet 29	MW-6	Chloride	210	200	6/19/2012
15	Joliet 29	MW-9	Chloride	250	200	6/19/2012
16	Joliet 29	MW-9	Iron	8	5	6/19/2012
17	Joliet 29	MW-9	Iron	13	5	12/20/2012
18	Joliet 29	MW-9	Iron	15	5	3/5/2013
19	Joliet 29	MW-9	Manganese	1.2	0.15	6/19/2012
20	Joliet 29	MW-9	Manganese	0.68	0.15	9/19/2012
21	Joliet 29	MW-9	Manganese	0.44	0.15	12/20/2012
22	Joliet 29	MW-9	Manganese	0.43	0.15	3/5/2013
23	Joliet 29	MW-9	Sulfate	1,500	400	6/19/2012
24	Joliet 29	MW-9	Sulfate	1,600	400	9/19/2012
25	Joliet 29	MW-9	Sulfate	1,100	400	12/20/2012
26	Joliet 29	MW-9	Sulfate	700	400	3/5/2013
27	Joliet 29	MW-9	TDS	2,800	1,200	6/19/2012
28	Joliet 29	MW-9	TDS	2,900	1,200	9/19/2012
29	Joliet 29	MW-9	TDS	2,000	1,200	12/20/2012
30	Joliet 29	MW-9	TDS	1,700	1,200	3/5/2013
31	Joliet 29	MW-10	Chloride	230	200	9/12/2012
32	Joliet 29	MW-10	Chloride	210	200	3/5/2013

Table A.3. Violations of Illinois Class I groundwater standards at Powerton, 2nd quarter 2012 through 1st quarter 2013. Wells MW-13, MW-14, and MW-15 were not sampled during the 2nd and 3rd quarters of 2012. (415 ILCS §§ 5/12(a),(d); 35 Ill. Admin. Code § 620.410.)

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
1	Powerton	MW-4	Manganese	0.26	0.15	6/25/2012
2	Powerton	MW-4	Manganese	0.50	0.15	9/18/2012
3	Powerton	MW-5	Manganese	0.41	0.15	6/25/2012
4	Powerton	MW-5	Manganese	1.00	0.15	9/18/2012
5	Powerton	MW-5	Manganese	0.59	0.15	12/12/2012
6	Powerton	MW-5	Manganese	0.21	0.15	2/27/2013
7	Powerton	MW-6	Chloride	240	200	12/12/2012
8	Powerton	MW-6	Manganese	0.71	0.15	6/25/2012
9	Powerton	MW-6	Manganese	0.64	0.15	9/18/2012
10	Powerton	MW-6	Manganese	0.61	0.15	12/12/2012
11	Powerton	MW-6	Manganese	0.50	0.15	2/27/2013
12	Powerton	MW-7	Arsenic	0.150	0.010	6/25/2012
13	Powerton	MW-7	Arsenic	0.180	0.010	9/18/2012
14	Powerton	MW-7	Arsenic	0.260	0.010	12/12/2012
15	Powerton	MW-7	Arsenic	0.170	0.010	2/27/2013

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
16	Powerton	MW-7	Iron	10	5	6/25/2012
17	Powerton	MW-7	Iron	21	5	9/18/2012
18	Powerton	MW-7	Iron	18	5	12/12/2012
19	Powerton	MW-7	Iron	27	5	2/27/2013
20	Powerton	MW-7	Manganese	9.3	0.15	6/25/2012
21	Powerton	MW-7	Manganese	8.0	0.15	9/18/2012
22	Powerton	MW-7	Manganese	6.7	0.15	12/12/2012
23	Powerton	MW-7	Manganese	9.5	0.15	12/12/2012
24	Powerton	MW-7	TDS	1,300	1,200	6/25/2012
25	Powerton	MW-7	TDS	1,300	1,200	9/18/2012
26	Powerton	MW-8	Chloride	210	200	9/18/2012
27	Powerton	MW-8	Chloride	220	200	12/12/2012
28	Powerton	MW-8	Manganese	0.20	0.15	6/25/2012
29	Powerton	MW-8	Manganese	0.20	0.15	9/18/2012
30	Powerton	MW-8	Manganese	0.23	0.15	12/12/2012
31	Powerton	MW-8	Manganese	0.43	0.15	2/27/2013
32	Powerton	MW-8	Sulfate	440	400	6/25/2012
33	Powerton	MW-9	Boron	2.6	2	6/25/2012
34	Powerton	MW-9	Boron	2.9	2	9/18/2012
35	Powerton	MW-9	Boron	3.2	2	12/12/2012
36	Powerton	MW-9	Boron	4.3	2	2/27/2013
37	Powerton	MW-9	Manganese	0.19	0.15	2/27/2013
38	Powerton	MW-9	Nitrate	12	10	2/27/2013
39	Powerton	MW-10	Manganese	2.6	0.15	6/25/2012
40	Powerton	MW-10	Manganese	2.5	0.15	9/18/2012
41	Powerton	MW-10	Manganese	2.2	0.15	12/12/2012
42	Powerton	MW-10	Manganese	1.9	0.15	2/27/2013
43	Powerton	MW-11	Arsenic	0.030	0.010	12/12/2012
44	Powerton	MW-11	Arsenic	0.045	0.010	2/27/2013
45	Powerton	MW-11	Boron	2.6	2	9/18/2012
46	Powerton	MW-11	Manganese	3.7	0.15	6/25/2012
47	Powerton	MW-11	Manganese	4.7	0.15	9/18/2012
48	Powerton	MW-11	Manganese	12	0.15	12/12/2012
49	Powerton	MW-11	Manganese	11	0.15	2/27/2013
50	Powerton	MW-12	Arsenic	0.014	0.010	6/25/2012
51	Powerton	MW-12	Arsenic	0.011	0.010	9/18/2012
52	Powerton	MW-12	Arsenic	0.022	0.010	12/12/2012
53	Powerton	MW-12	Chloride	210	200	12/12/2012
54	Powerton	MW-12	Iron	8.2	5	6/25/2012
55	Powerton	MW-12	Iron	8.9	5	9/18/2012
56	Powerton	MW-12	Iron	6.4	5	12/12/2012
57	Powerton	MW-12	Iron	5.8	5	2/27/2013
58	Powerton	MW-12	Manganese	0.71	0.15	6/25/2012

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
58	Powerton	MW-12	Manganese	0.64	0.15	9/18/2012
59	Powerton	MW-12	Manganese	1.7	0.15	12/12/2012
60	Powerton	MW-12	Manganese	0.38	0.15	2/27/2013
61	Powerton	MW-12	Sulfate	430	400	6/25/2012
62	Powerton	MW-13	Arsenic	0.041	0.010	12/14/2012
63	Powerton	MW-13	Arsenic	0.029	0.010	2/28/2013
64	Powerton	MW-13	Boron	3.6	2	12/14/2012
65	Powerton	MW-13	Boron	4.2	2	2/28/2013
66	Powerton	MW-13	Manganese	3.7	0.15	12/14/2012
67	Powerton	MW-13	Manganese	3.5	0.15	2/28/2013
68	Powerton	MW-13	Sulfate	1,100	400	12/14/2012
69	Powerton	MW-13	Sulfate	730	400	2/28/2013
70	Powerton	MW-13	TDS	1,900	1,200	12/14/2012
71	Powerton	MW-13	TDS	1,600	1,200	2/28/2013
72	Powerton	MW-14	Selenium	0.150	0.050	2/28/2013
73	Powerton	MW-14	Sulfate	810	400	12/14/2012
74	Powerton	MW-14	TDS	1,700	1,200	12/14/2012
75	Powerton	MW-14	TDS	1,300	1,200	2/28/2013
76	Powerton	MW-15	Arsenic	0.011	0.010	12/14/2012
77	Powerton	MW-15	Chloride	220	200	12/14/2012
78	Powerton	MW-15	Manganese	0.51	0.15	12/14/2012
79	Powerton	MW-15	Manganese	0.35	0.15	2/28/2013
80	Powerton	MW-16	Nitrate	18	10	12/12/2012
81	Powerton	MW-16	Nitrate	23	10	2/28/2013

Table A.4. Violations of Illinois Class I groundwater standards at Waukegan, 2nd quarter 2012 through 1st quarter 2013. Wells MW-6 and MW-7 were installed in the fall of 2012 and first sampled in the 4th quarter of 2012. (415 ILCS §§ 5/12(a),(d); 35 Ill. Admin. Code § 620.410.)

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
1	Waukegan	MW-1	Arsenic	0.070	0.010	6/18/2012
2	Waukegan	MW-1	Arsenic	0.070	0.010	9/28/2012
3	Waukegan	MW-1	Arsenic	0.091	0.010	12/19/2012
4	Waukegan	MW-1	Arsenic	0.098	0.010	3/7/2013
5	Waukegan	MW-1	Selenium	0.056	0.050	3/7/2013
6	Waukegan	MW-1	Boron	2.2	2	3/7/2013
7	Waukegan	MW-2	Arsenic	0.011	0.010	6/18/2012
8	Waukegan	MW-2	Arsenic	0.011	0.010	9/28/2012
9	Waukegan	MW-2	Arsenic	0.012	0.010	3/7/2013
10	Waukegan	MW-2	Boron	2.6	2	6/18/2012
11	Waukegan	MW-2	Boron	2.1	2	9/28/2012

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
12	Waukegan	MW-2	Boron	2.2	2	3/7/2013
13	Waukegan	MW-3	Arsenic	0.011	0.010	12/19/2012
14	Waukegan	MW-4	Boron	2.5	2	6/18/2012
15	Waukegan	MW-4	Boron	2.2	2	9/28/2012
16	Waukegan	MW-4	Boron	2.5	2	12/19/2012
17	Waukegan	MW-4	Boron	2.4	2	3/7/2013
18	Waukegan	MW-5	Arsenic	0.012	0.010	9/28/2012
19	Waukegan	MW-5	Arsenic	0.011	0.010	12/19/2012
20	Waukegan	MW-5	Arsenic	0.012	0.010	3/7/2013
21	Waukegan	MW-5	Boron	47	2	6/18/2012
22	Waukegan	MW-5	Boron	41	2	9/28/2012
23	Waukegan	MW-5	Boron	27	2	12/19/2012
24	Waukegan	MW-5	Boron	33	2	3/7/2013
25	Waukegan	MW-5	Iron	5.9	5	6/18/2012
26	Waukegan	MW-5	Iron	5.1	5	9/28/2012
27	Waukegan	MW-5	Manganese	0.75	0.15	6/18/2012
28	Waukegan	MW-5	Manganese	0.57	0.15	9/28/2012
29	Waukegan	MW-5	Manganese	0.48	0.15	12/19/2012
30	Waukegan	MW-5	Manganese	0.51	0.15	3/7/2013
31	Waukegan	MW-5	Sulfate	800	400	6/18/2012
32	Waukegan	MW-5	Sulfate	710	400	9/28/2012
33	Waukegan	MW-5	Sulfate	550	400	12/19/2012
34	Waukegan	MW-5	Sulfate	650	400	3/7/2013
35	Waukegan	MW-5	TDS	2,000	1,200	6/18/2012
36	Waukegan	MW-5	TDS	1,900	1,200	9/28/2012
37	Waukegan	MW-5	TDS	1,800	1,200	12/19/2012
38	Waukegan	MW-5	TDS	1,600	1,200	3/7/2013
39	Waukegan	MW-6	Manganese	0.21	0.15	12/19/2012
40	Waukegan	MW-6	Manganese	0.36	0.15	3/7/2013
41	Waukegan	MW-7	Boron	43	2	12/19/2012
42	Waukegan	MW-7	Boron	49	2	3/7/2013
43	Waukegan	MW-7	Iron	12	5	3/7/2013
44	Waukegan	MW-7	Manganese	0.46	0.15	12/19/2012
45	Waukegan	MW-7	Manganese	0.49	0.15	3/7/2013
46	Waukegan	MW-7	Sulfate	630	400	12/19/2012
47	Waukegan	MW-7	Sulfate	710	400	3/7/2013
48	Waukegan	MW-7	TDS	1,800	1,200	12/19/2012
49	Waukegan	MW-7	TDS	1,800	1,200	3/7/2013

Table A.5. Violations of Illinois Class I groundwater standards at Will County, 2nd quarter 2012 through 1st quarter 2013. (415 ILCS §§ 5/12(a),(d); 35 Ill. Admin. Code § 620.410.)

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
1	Will County	MW-1	Chloride	220	200	3/6/2013
2	Will County	MW-1	Manganese	0.16	0.15	6/20/2012
3	Will County	MW-1	Manganese	0.18	0.15	12/18/2012
4	Will County	MW-1	Manganese	0.17	0.15	3/6/2013
5	Will County	MW-2	Boron	2.2	2	9/24/2012
6	Will County	MW-3	Boron	3.1	2	6/20/2012
7	Will County	MW-3	Boron	3.9	2	9/24/2012
8	Will County	MW-3	Boron	3.4	2	12/18/2012
9	Will County	MW-3	Boron	3.2	2	3/6/2013
10	Will County	MW-3	Manganese	0.37	0.15	6/20/2012
11	Will County	MW-3	Manganese	0.24	0.15	9/24/2012
12	Will County	MW-3	Manganese	0.25	0.15	12/18/2012
13	Will County	MW-3	Manganese	0.29	0.15	3/6/2013
14	Will County	MW-3	Sulfate	500	400	6/20/2012
15	Will County	MW-3	Sulfate	440	400	9/24/2012
16	Will County	MW-3	Sulfate	480	400	12/18/2012
17	Will County	MW-3	TDS	1,400	1,200	6/20/2012
18	Will County	MW-4	Boron	5.3	2	6/20/2012
19	Will County	MW-4	Boron	6.2	2	9/24/2012
20	Will County	MW-4	Boron	5.2	2	12/18/2012
21	Will County	MW-4	Boron	4.5	2	3/6/2013
22	Will County	MW-4	Manganese	0.70	0.15	6/20/2012
23	Will County	MW-4	Manganese	0.99	0.15	9/24/2012
24	Will County	MW-4	Manganese	0.62	0.15	12/18/2012
25	Will County	MW-4	Manganese	0.47	0.15	3/6/2013
26	Will County	MW-4	Sulfate	2,800	400	6/20/2012
27	Will County	MW-4	Sulfate	3,200	400	9/24/2012
28	Will County	MW-4	Sulfate	2,200	400	12/18/2012
29	Will County	MW-4	Sulfate	2,000	400	3/6/2013
30	Will County	MW-4	TDS	4,300	1,200	6/20/2012
31	Will County	MW-4	TDS	4,400	1,200	9/24/2012
32	Will County	MW-4	TDS	4,000	1,200	12/18/2012
33	Will County	MW-4	TDS	3,600	1,200	3/6/2013
34	Will County	MW-5	Boron	2.3	2	6/20/2012
35	Will County	MW-5	Boron	3.8	2	9/24/2012
36	Will County	MW-5	Boron	2.5	2	12/18/2012
37	Will County	MW-5	Boron	2.6	2	3/6/2013
38	Will County	MW-5	Sulfate	410	1,200	6/20/2012
39	Will County	MW-5	Sulfate	540	1,200	9/24/2012
40	Will County	MW-6	Boron	2.9	2	6/20/2012

	Plant	Well	Pollutant	Sample value (mg/L)	Class I GW standard (mg/L)	Collection date
41	Will County	MW-6	Boron	3.0	2	9/24/2012
42	Will County	MW-6	Boron	3.0	2	12/18/2012
43	Will County	MW-6	Boron	2.7	2	3/6/2013
44	Will County	MW-6	Sulfate	450	1,200	6/20/2012
45	Will County	MW-6	Sulfate	550	1,200	9/24/2012
46	Will County	MW-7	Boron	5.6	2	6/20/2012
47	Will County	MW-7	Boron	5.5	2	9/24/2012
48	Will County	MW-7	Boron	5.1	2	12/18/2012
49	Will County	MW-7	Boron	4.3	2	3/6/2013
50	Will County	MW-7	Manganese	0.19	0.15	6/20/2012
51	Will County	MW-7	Manganese	0.19	0.15	9/24/2012
52	Will County	MW-7	Manganese	0.19	0.15	12/18/2012
53	Will County	MW-7	Sulfate	670	400	6/20/2012
54	Will County	MW-7	Sulfate	600	400	9/24/2012
55	Will County	MW-7	Sulfate	480	1,200	12/18/2012
56	Will County	MW-7	TDS	1,300	1,200	6/20/2012
57	Will County	MW-8	Arsenic	0.013	0.010	6/20/2012
58	Will County	MW-8	Arsenic	0.018	0.010	9/24/2012
59	Will County	MW-8	Manganese	0.36	0.15	6/20/2012
60	Will County	MW-8	Manganese	0.41	0.15	9/24/2012
61	Will County	MW-8	Manganese	0.43	0.15	12/18/2012
62	Will County	MW-8	Manganese	0.33	0.15	3/6/2013
63	Will County	MW-8	Sulfate	630	400	9/24/2012
64	Will County	MW-10	Boron	2.1	2	6/20/2012
65	Will County	MW-10	Boron	3.2	2	9/24/2012
66	Will County	MW-10	Boron	2.7	2	12/18/2012
67	Will County	MW-10	Boron	2.7	2	3/6/2013
68	Will County	MW-10	Manganese	0.26	0.15	6/20/2012
69	Will County	MW-10	Manganese	0.23	0.15	9/24/2012
70	Will County	MW-10	Manganese	0.29	0.15	12/18/2012
71	Will County	MW-10	Manganese	0.29	0.15	3/6/2013

EXHIBIT J:

Groundwater Monitoring Data Summary for Joliet 29

Table 4

GROUNDWATER ANALYTICAL RESULTS

Joliet Station #29, Illinois

Midwest Generation

21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-1 (mg/L) 12/6/10	MW-1 (mg/L) 3/23/11	MW-1 (mg/L) 6/14/11	MW-1 (mg/L) 9/14/11	MW-1 (mg/L) 12/7/11	MW-1 (mg/L) 3/15/12	MW-1 (mg/L) 6/19/12	MW-1 (mg/L) 9/19/12	MW-1 (mg/L) 12/20/12	MW-1 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	0.0043	NS	ND	NS	NS	NS	NS	ND	NS	NS
Arsenic	Metals 6020	0.01[a]	0.0011	NS	0.0014	NS	NS	NS	NS	0.0012	NS	NS
Barium	Metals 6020	2.0	0.13	NS	0.14	NS	NS	NS	NS	0.16	NS	NS
Beryllium	Metals 6020	0.004	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Cadmium	Metals 6020	0.005	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Chromium	Metals 6020	0.1	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Cobalt	Metals 6020	1.0	ND	NS	0.001	NS	NS	NS	NS	ND	NS	NS
Copper	Metals 6020	0.65	0.0032	NS	0.0025	NS	NS	NS	NS	0.0021	NS	NS
Cyanide	Dissolved 9014	0.2	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Iron	Metals 6020	5.0	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Lead	Metals 6020	0.0075	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Manganese	Metals 6020	0.15	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Mercury	Mercury 7470A	0.002	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Nickel	Metals 6020	0.1	0.0034	NS	0.0029	NS	NS	NS	NS	0.0029	NS	NS
Selenium	Metals 6020	0.05	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Silver	Metals 6020	0.05	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Thallium	Metals 6020	0.002	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc	Metals 6020	5.0	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Boron	Metals 6020	2	0.31	NS	0.29	NS	NS	NS	NS	0.38	NS	NS
Sulfate	Dissolved 9038	400	180	NS	81	NS	NS	NS	NS	240	NS	NS
Chloride	Dissolved 9251	200	140	NS	170	NS	NS	NS	NS	120	NS	NS
Nitrogen/Nitrate	Nitrogen By calc	10	1.9	NS	2.9	NS	NS	NS	NS	4.2	NS	NS
Total Dissolved Solids	Dissolved 2540C	1,200	590	NS	670	NS	NS	NS	NS	630	NS	NS
Fluoride	Dissolved 4500 FC	4	0.45	NS	0.43	NS	NS	NS	NS	0.59	NS	NS
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	NS	ND	NS	NS	NS	NS	ND	NS	NS
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	1.9	NS	2.9	NS	NS	NS	NS	4.2	NS	NS
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

NA-No Applicable Class I Groundwater Standard

^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-2 (mg/L) 12/6/10	MW-2 (mg/L) 3/23/11	MW-2 (mg/L) 6/14/11	MW-2 (mg/L) 9/14/11	MW-2 (mg/L) 12/7/11	MW-2 (mg/L) 3/15/12	MW-2 (mg/L) 6/19/12	MW-2 (mg/L) 9/19/12	MW-2 (mg/L) 12/20/12	MW-2 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	**0.012**	NS	0.0042	0.0032	ND	ND	NS	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	NS	ND	ND	ND	ND	NS	0.0015	ND	ND
Barium	Metals 6020	2.0	0.082	NS	0.081	0.1	0.12	0.12	NS	0.12	0.13	0.12
Beryllium	Metals 6020	0.004	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Chromium	Metals 6020	0.1	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Copper	Metals 6020	0.65	0.0032	NS	ND	ND	ND	ND	NS	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Iron	Metals 6020	5.0	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Lead	Metals 6020	0.0075	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Manganese	Metals 6020	0.15	ND	NS	ND	0.0025	ND	ND	NS	ND	ND	ND
Mercury	Mercury 7470A	0.002	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Nickel	Metals 6020	0.1	0.0033	NS	ND	0.0027	0.0023	ND	NS	0.0024	0.0029	0.0027
Selenium	Metals 6020	0.05	ND	NS	ND	0.0038	0.0055	0.0048	NS	ND	ND	0.0034
Silver	Metals 6020	0.05	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Thallium	Metals 6020	0.002	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Boron	Metals 6020	2	0.31	NS	0.35	0.44	0.74	0.22	NS	0.35	0.42	0.41
Sulfate	Dissolved 9038	400	190	NS	67	110	150	110	NS	190	140	130
Chloride	Dissolved 9251	200	140	NS	**230**	140	140	**280**	NS	120	150	**260**
Nitrogen/Nitrate	Nitrogen By calc	10	3.1	NS	1.8	2.2	2.9	6.4	NS	4.7	7.5	4.4
Total Dissolved Solids	Dissolved 2540C	1,200	600	NS	720	690	750	800	NS	580	720	840
Fluoride	Dissolved 4500 FC	4	0.62	NS	0.58	0.54	0.51	0.53	NS	0.64	0.59	0.59^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	NS	ND	ND	ND	ND	NS	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	3.1	NS	1.8	2.2	2.9	6.4	NS	4.7	7.5	4.4
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-3 (mg/L) 12/7/10	MW-3 (mg/L) 3/23/11	MW-3 (mg/L) 6/14/11	MW-3 (mg/L) 9/14/11	MW-3 (mg/L) 12/7/11	MW-3 (mg/L) 3/15/12	MW-3 (mg/L) 6/19/12	MW-3 (mg/L) 9/19/12	MW-3 (mg/L) 12/20/12	MW-3 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	0.004	ND	ND	0.0065	**0.016**	**0.013**	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	0.0011	ND	0.0012	0.0016	0.0014	0.0011	0.0012	0.0012	0.0014
Barium	Metals 6020	2.0	0.089	0.085	0.092	0.081	0.084	0.081	0.088	0.097	0.09	0.089
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	0.00074	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	0.0013	0.0013	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.1	0.048	ND	0.0076	0.008	0.0095	0.014	0.011	0.0076	0.0068
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.011	0.0065	ND	0.0041	0.006	0.0046	0.0044	0.0059	0.0063	0.0051
Selenium	Metals 6020	0.05	ND	0.005	ND	ND	ND	ND	0.0043	ND	ND	0.0031
Silver	Metals 6020	0.05	ND	ND	ND	ND	0.00091	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.24	0.36	0.46	0.24	0.23	0.26	0.31	0.22	0.28	0.29
Sulfate	Dissolved 9038	400	120	160	120	120	160	190	160	150	110	140
Chloride	Dissolved 9251	200	**260**	**240**	**300**	160	**260**	**250**	**260**	**330**	**290**	**260**
Nitrogen/Nitrate	Nitrogen By calc	10	ND	1	2.1	1.1	0.79	ND	1.3	0.88	0.77	0.86
Total Dissolved Solids	Dissolved 2540C	1,200	930	1,100	1,000	930	1,100	1,000	1,100	1,000	1,100	950
Fluoride	Dissolved 4500 FC	4	0.43	0.4	0.41	0.31	0.4	0.39	0.43	0.43	0.38	0.42^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	1	2.1	1.1	0.79	ND	1.3	0.88	0.77	0.86
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-4 (mg/L) 12/7/10	MW-4 (mg/L) 3/23/11	MW-4 (mg/L) 6/14/11	MW-4 (mg/L) 9/14/11	MW-4 (mg/L) 12/7/11	MW-4 (mg/L) 3/15/12	MW-4 (mg/L) 6/19/12	MW-4 (mg/L) 9/19/12	MW-4 (mg/L) 12/20/12	MW-4 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	0.0067	0.0057	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	0.0011	ND	ND	ND	ND	0.0013
Barium	Metals 6020	2.0	0.065	0.067	0.059	0.06	0.069	0.07	0.068	0.092	0.087	0.08
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	0.0018	0.0028	0.0026	0.0042	0.0059	0.0049	0.0057
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	0.22	ND	ND	ND	ND	ND	0.46
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00077
Manganese	Metals 6020	0.15	**0.33**	0.048	0.018	0.066	0.029	0.038	0.082	0.043	0.029	0.067
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0067	0.0037	ND	0.0029	0.0038	0.0037	0.0036	0.0043	0.0042	0.0051
Selenium	Metals 6020	0.05	0.0025	ND	ND	ND	ND	ND	ND	0.0047	0.0033	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.46	0.37	0.38	0.25	0.34	0.29	0.48	0.34	0.38	0.4
Sulfate	Dissolved 9038	400	300	140	84	74	170	210	110	180	130	110
Chloride	Dissolved 9251	200	**270**	**270**	**250**	150	200	210	**270**	**260**	**250**	**230**
Nitrogen/Nitrate	Nitrogen By calc	10	0.81	1.6	2.7	1.6	1.4	0.62	1.4	1.3	0.91	1.3
Total Dissolved Solids	Dissolved 2540C	1,200	1,100	1,000	890	770	970	930	1,100	980	1,000	880
Fluoride	Dissolved 4500 FC	4	0.49	0.38	0.44	0.37	0.44	0.41	0.46	0.47	0.41	0.47^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	0.81	1.6	2.7	1.6	1.4	0.62	1.4	1.3	0.91	1.3
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Joliet Station #29, Illinois

Midwest Generation

21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-5 (mg/L) 12/7/10	MW-5 (mg/L) 3/23/11	MW-5 (mg/L) 6/14/11	MW-5 (mg/L) 9/14/11	MW-5 (mg/L) 12/7/11	MW-5 (mg/L) 3/15/12	MW-5 (mg/L) 6/19/12	MW-5 (mg/L) 9/19/12	MW-5 (mg/L) 12/20/12	MW-5 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	0.004	0.0035	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	0.0011	0.0011	ND	ND	0.0011	ND	ND
Barium	Metals 6020	2.0	0.061	0.092	0.053	0.053	0.062	0.069	0.056	0.071	0.078	0.076
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	0.0016	ND	0.00091	0.00076	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	0.004	0.006	0.0019
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	0.019	0.017	0.0065
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	0.00062	ND	ND
Manganese	Metals 6020	0.15	0.0065	ND	ND	ND	ND	ND	0.0040	0.081	ND	0.0037
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	0.0021	ND	ND	0.0025	0.008	0.02	0.0072
Selenium	Metals 6020	0.05	ND	0.0072	ND	ND	0.005	ND	0.0057	ND	0.0034	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.42	0.52	0.47	0.57	0.49	0.54	0.44	0.55	0.65	0.59
Sulfate	Dissolved 9038	400	110	160	100	140	140	190	130	210	210	150
Chloride	Dissolved 9251	200	150	**240**	**220**	120	190	**210**	**220**	**240**	**210**	**230**
Nitrogen/Nitrate	Nitrogen By calc	10	ND	1.2	1.3	1.1	1.5	0.33	1.0	ND	0.21	0.16
Total Dissolved Solids	Dissolved 2540C	1,200	750	990	850	800	900	930	1,000	990	1,000	960
Fluoride	Dissolved 4500 FC	4	0.4	0.34	0.39	0.28	0.34	0.32	0.38	0.39	0.35	0.35^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	1.2	1.3	1.1	1.5	0.33	1.0	ND	0.21	0.16
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arseoic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

NA-No Applicable Class I Groundwater Standard

^-Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Joliet Station #29, Illinois

Midwest Generation

21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-6 (mg/L) 12/7/10	MW-6 (mg/L) 3/23/11	MW-6 (mg/L) 6/14/11	MW-6 (mg/L) 9/14/11	MW-6 (mg/L) 12/7/11	MW-6 (mg/L) 3/15/12	MW-6 (mg/L) 6/19/12	MW-6 (mg/L) 9/19/12	MW-6 (mg/L) 12/20/12	MW-6 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	0.0015	ND	ND	0.0018	0.0016	0.0014	0.0015	0.0014	0.0018
Barium	Metals 6020	2.0	0.075	0.12	0.082	0.094	0.11	0.13	0.11	0.14	0.12	0.12
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	0.0019	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.14	0.033	ND	0.036	0.024	0.015	0.0080	0.0087	0.0076	0.0047
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0056	0.0025	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	0.0029	0.0034	ND	ND	0.0054	0.0051	0.0069	0.0073	0.0059	0.013
Silver	Metals 6020	0.05	ND	0.00077	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.0052	0.005
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.32	0.44	0.32	0.27	0.3	0.25	0.26	0.25	0.31	0.33
Sulfate	Dissolved 9038	400	140	140	87	100	130	110	91	85	120	120
Chloride	Dissolved 9251	200	130	**270**	140	140	130	**240**	**210**	190	150	160
Nitrogen/Nitrate	Nitrogen By calc	10	ND	1.3	0.91	0.31	0.36	ND	0.65	0.55	0.47	1
Total Dissolved Solids	Dissolved 2540C	1,200	650	1,000	650	620	710	800	860	760	710	690
Fluoride	Dissolved 4500 FC	4	0.4	0.36	0.44	0.29	0.44	0.36	0.36	0.36	0.38	0.4^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	1.3	0.91	0.31	0.36	ND	0.65	0.55	0.47	1
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

NA-No Applicable Class I Groundwater Standard

^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)	MW-7 (mg/L)
Chemical Name		Class I*	12/7/10	3/23/11	6/14/11	9/14/11	12/7/11	3/15/12	6/19/12	9/19/12	12/20/12	3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.001	ND	ND	ND	0.0014	0.001	ND	0.0013	ND	0.0011
Barium	Metals 6020	2.0	0.13	0.11	0.072	0.092	0.11	0.13	0.092	0.12	0.11	0.12
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	0.0025	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	3.8	ND	ND	0.13	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.29**	0.014	ND	0.08	0.0073	0.015	0.069	0.0041	0.0063	0.0044
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0045	ND	ND	0.014	ND	ND	0.0032	ND	0.0024	0.0024
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	0.0041
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.0051	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.51	0.39	0.25	0.29	0.35	0.3	0.25	0.31	0.41	0.39
Sulfate	Dissolved 9038	400	250	120	85	110	160	140	190	130	90	150
Chloride	Dissolved 9251	200	**430**	**320**	140	99	140	**300**	170	170	140	190
Nitrogen/Nitrate	Nitrogen By calc	10	ND	1.2	0.76	0.27	0.6	ND	0.65	0.61	0.73	1.4
Total Dissolved Solids	Dissolved 2540C	1,200	1,200	970	580	650	780	870	760	760	760	720
Fluoride	Dissolved 4500 FC	4	0.36	0.31	0.35	0.27	0.35	0.31	0.37	0.32	0.31	0.3^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	1.2	0.76	0.27	0.6	ND	0.65	0.61	0.73	1.4
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)
Chemical Name		Class I*	12/6/10	3/23/11	6/14/11	9/14/11	12/7/11	3/15/12	6/19/12	9/19/12	12/20/12	3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Metals 6020	2.0	0.054	0.055	0.026	0.048	0.057	0.049	0.029	0.059	0.058	0.069
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.0051	0.0026	0.017	ND	ND	0.0042	0.016	0.023	0.0044	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0025	ND	ND	0.012	ND	ND	ND	0.0021	ND	ND
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	0.0079	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.29	0.16	0.12	0.2	0.16	0.13	0.2	0.46	0.33	0.25
Sulfate	Dissolved 9038	400	210	87	52	120	170	130	110	180	130	150
Chloride	Dissolved 9251	200	130	**350**	150	79	120	**410**	190	130	130	200
Nitrogen/Nitrate	Nitrogen By calc	10	0.33	2.2	1.9	0.95	0.86	ND	0.44	4	2	2.2
Total Dissolved Solids	Dissolved 2540C	1,200	670	990	580	690	800	1000	740	710	730	830
Fluoride	Dissolved 4500 FC	4	0.51	0.36	0.45	0.25	0.31	0.38	0.41	0.4	0.33	0.29^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	0.33	2.2	1.9	0.95	0.86	ND	0.44	4	2	2.2
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Joliet Station #29, Illinois

Midwest Generation

21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-9 (mg/L) 12/6/10	MW-9 (mg/L) 3/23/11	MW-9 (mg/L) 6/14/11	MW-9 (mg/L) 9/14/11	MW-9 (mg/L) 12/7/11	MW-9 (mg/L) 3/15/12	MW-9 (mg/L) 6/19/12	MW-9 (mg/L) 9/19/12	MW-9 (mg/L) 12/20/12	MW-9 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	ND	ND	0.0010	ND	ND	ND
Barium	Metals 6020	2.0	0.031	0.029	0.032	0.029	0.03	0.021	0.021	0.022	0.021	0.016
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	0.00059	ND	0.00065	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	0.0047	0.0034	0.0062	0.011	0.0075	0.0021	0.0021	0.0022	0.002	0.0024
Copper	Metals 6020	0.65	ND	ND	ND	0.0026	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	0.18	**7.3**	3.8	1.5	**5.5**	**8.0**	4.7	**13.0**	**15.0**
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**1.1**	**1.6**	**0.95**	**0.82**	**0.66**	**1.3**	**1.2**	**0.68**	**0.44**	**0.43**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0094	0.0072	0.013	0.014	0.011	0.0054	0.0070	0.010	0.0059	0.0065
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023
Boron	Metals 6020	2	0.36	0.32	0.29	0.35	0.31	0.38	0.34	0.59	0.44	0.36
Sulfate	Dissolved 9038	400	**1,600**	**1,100**	**580**	**750**	130	**1,600**	**1,500**	**1,600**	**1,100**	**700**
Chloride	Dissolved 9251	200	140	**230**	**290**	190	190	170	**250**	160	150	190
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.97	0.36	0.22	ND	ND	0.22	0.22	0.75
Total Dissolved Solids	Dissolved 2540C	1,200	**2,600**	**2,400**	**1,500**	**1,700**	**2,400**	**2,600**	**2,800**	**2,900**	**2,000**	**1,700**
Fluoride	Dissolved 4500 FC	4	0.61	0.52	0.47	0.39	0.5	0.45	0.48	0.48	0.45	0.46^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	0.97	0.36	0.22	ND	ND	0.22	0.22	0.75
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

NA-No Applicable Class I Groundwater Standard

^-Instrument related QC exceeds the control limits

Table 4
GROUNDWATER ANALYTICAL RESULTS
Joliet Station #29, Illinois
Midwest Generation
21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-10 (mg/L) 12/6/10	MW-10 (mg/L) 3/23/11	MW-10 (mg/L) 6/14/11	MW-10 (mg/L) 9/14/11	MW-10 (mg/L) 12/7/11	MW-10 (mg/L) 3/15/12	MW-10 (mg/L) 6/19/12	MW-10 (mg/L) 9/19/12	MW-10 (mg/L) 12/20/12	MW-10 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	0.0012	ND	ND	0.0012	0.001	0.0012
Barium	Metals 6020	2.0	0.05	0.051	0.039	0.039	0.036	0.04	0.043	0.04	0.041	0.04
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.12	0.0076	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0052	0.0029	ND	0.0087	0.0024	ND	ND	0.0021	0.0024	0.0022
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.5	0.54	0.54	0.41	0.52	0.52	0.53	0.43	0.49	0.49
Sulfate	Dissolved 9038	400	130	130	89	100	190	250	170	110	120	84
Chloride	Dissolved 9251	200	200	**300**	7.1	170	180	180	**290**	**230**	200	**210**
Nitrogen/Nitrate	Nitrogen By calc	10	0.39	2.3	2.7	2.6	1.4	ND	1.8	1.5	1.5	1.6
Total Dissolved Solids	Dissolved 2540C	1,200	860	1,100	980	730	890	890	1,100	870	860	830
Fluoride	Dissolved 4500 FC	4	0.43	0.39	0.42	0.41	0.45	0.41	0.46	0.5	0.47	0.49^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	0.39	2.3	2.7	2.6	1.4	ND	1.8	1.5	1.5	1.6
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
ND-non detect
NS- not sampled
mg/L- milligrams per liter
NA-No Applicable Class I Groundwater Standard
^-Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Joliet Station #29, Illinois

Midwest Generation

21253.034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-11 (mg/L) 12/6/10	MW-11 (mg/L) 3/23/11	MW-11 (mg/L) 6/14/11	MW-11 (mg/L) 9/14/11	MW-11 (mg/L) 12/7/11	MW-11 (mg/L) 3/15/12	MW-11 (mg/L) 6/19/12	MW-11 (mg/L) 9/19/12	MW-11 (mg/L) 12/20/12	MW-11 (mg/L) 3/5/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0013	0.0016	ND	0.0016	0.0019	0.0017	0.0017	0.0018	0.0018	0.0018
Barium	Metals 6020	2.0	0.064	0.076	0.051	0.054	0.057	0.067	0.046	0.06	0.063	0.06
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	0.23	ND	0.42	0.15
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	0.0008	ND
Manganese	Metals 6020	0.15	0.052	0.0047	ND	0.0053	0.0047	ND	0.014	ND	0.042	0.016
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0022	ND	ND	ND	ND	ND	ND	ND	0.0025	0.002
Selenium	Metals 6020	0.05	ND	0.0054	ND	0.0026	0.0033	0.0043	0.0028	ND	ND	0.0043
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.005	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.47	**2.6**	**2.2**	1.1	1.2	1.4	0.85	0.68	0.57	1.1
Sulfate	Dissolved 9038	400	140	150	110	110	160	140	150	100	150	110
Chloride	Dissolved 9251	200	160	**270**	**280**	86	140	**240**	150	150	140	190
Nitrogen/Nitrate	Nitrogen By calc	10	0.39	1.1	0.92	0.31	0.6	0.3	ND	0.36	0.46	1.1
Total Dissolved Solids	Dissolved 2540C	1,200	770	1,000	710	590	790	850	760	740	730	770
Fluoride	Dissolved 4500 FC	4	0.34	0.31	0.36	0.32	0.31	0.3	0.37	0.32	0.34	0.29^
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	0.39	1.1	0.92	0.31	0.6	0.3	ND	0.36	0.46	1.1
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

NA-No Applicable Class I Groundwater Standard

^-Instrument related QC exceeds the control limits

EXHIBIT K:

Groundwater Monitoring Data Summary for Powerton

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-1 (mg/L) 12/15/10	MW-1 (mg/L) 3/25/11	MW-1 (mg/L) 6/16/11	MW-1 (mg/L) 9/19/11	MW-1 (mg/L) 12/12/11	MW-1 (mg/L) 3/19/12	MW-1 (mg/L) 6/25/12	MW-1 (mg/L) 9/18/12	MW-1 (mg/L) 12/12/12	MW-1 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	ND	ND	0.001	ND	ND	ND
Barium	Metals 6020	2.0	0.044	0.026	0.034	0.056	0.044	0.038	0.06	0.074	ND	0.08
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.0076
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	0.0057	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	0.0077	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	ND	ND	ND	ND	ND	ND	0.0027	0.018	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.01	0.008	ND	0.0069	0.0095	ND	0.0066	0.01	ND	0.0062
Selenium	Metals 6020	0.05	0.0016	0.0022	0.0016	0.0036	0.0027	0.0025	0.0042	0.005	ND	0.0045
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.45	0.26	0.33	1.0	0.48	0.29	0.46	1.8	ND	1.7
Sulfate	Dissolved 9038	400	50	30	39	83	31	61	68	72	91	77
Chloride	Dissolved 9251	200	46	37	40	41	26	53	42	43	41	38
Nitrogen/Nitrate	Nitrogen By calc	10	7.2	4.3	5.7	**11**	4.1	7.3	6.5	5.4	7.2	7.4
Total Dissolved Solids	Dissolved 2540C	1,200	490	340	410	510	440	470	580	710	640	640
Fluoride	Dissolved 4500 FC	4	0.28	0.32	0.38	ND	ND	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-2 (mg/L) 12/15/10	MW-2 (mg/L) 3/25/11	MW-2 (mg/L) 6/16/11	MW-2 (mg/L) 9/19/11	MW-2 (mg/L) 12/12/11	MW-2 (mg/L) 3/19/12	MW-2 (mg/L) 6/25/12	MW-2 (mg/L) 9/18/12	MW-2 (mg/L) 12/12/12	MW-2 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0018	0.0035	0.0017	ND	ND	ND	0.0011	0.0012	ND	0.0011
Barium	Metals 6020	2.0	0.042	0.025	0.053	0.059	0.066	0.049	0.064	0.06	0.075	0.035
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	0.0096	0.0042
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	0.046	0.026
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	0.0012	0.0022	ND	ND	ND	ND	0.0019	0.0063	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0086	0.0096	0.0053	0.01	0.0073	ND	0.0065	0.0066	ND	ND
Selenium	Metals 6020	0.05	0.0017	0.0032	0.0014	0.0032	0.0037	ND	0.0039	0.0016	ND	0.0032
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND
Boron	Metals 6020	2	0.38	0.23	0.35	0.83	0.69	0.27	0.74	0.65	0.8	0.29
Sulfate	Dissolved 9038	400	52	42	53	70	69	55	73	69	95	53
Chloride	Dissolved 9251	200	45	43	44	46	40	53	51	45	48	52
Nitrogen/Nitrate	Nitrogen By calc	10	7.5	4.5	4.7	4.3	6.9	5.1	4.4	2.9	2.4	5.7
Total Dissolved Solids	Dissolved 2540C	1,200	480	420	470	460	490	440	500	510	520	440
Fluoride	Dissolved 4500 FC	4	ND	0.3	0.35	ND	ND	ND	ND	ND	0.28	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-3 (mg/L) 12/15/10	MW-3 (mg/L) 3/25/11	MW-3 (mg/L) 6/16/11	MW-3 (mg/L) 9/19/11	MW-3 (mg/L) 12/12/11	MW-3 (mg/L) 3/19/12	MW-3 (mg/L) 6/25/12	MW-3 (mg/L) 9/18/12	MW-3 (mg/L) 12/12/12	MW-3 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0017	ND	0.0011	0.0012	0.0012	0.0012	ND	0.0015	ND	0.0013
Barium	Metals 6020	2.0	0.038	0.03	0.063	0.081	0.076	0.052	0.059	0.1	0.11	0.056
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	0.0086	0.005
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	0.012	0.0042	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	0.042	ND	ND	ND	ND	0.036	0.019
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.0047	0.0023	ND	0.0037	0.0014	ND	0.0033	0.002	0.034	0.011
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.011	0.0095	ND	0.008	0.0078	ND	0.005	0.0067	ND	ND
Selenium	Metals 6020	0.05	ND	0.0036	0.0015	0.0036	0.0021	0.0067	0.0018	0.0033	ND	0.0048
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	0.012	ND	ND	ND	ND
Boron	Metals 6020	2	0.75	0.18	0.24	0.64	0.7	0.56	0.63	0.64	0.63	0.65
Sulfate	Dissolved 9038	400	64	42	47	66	45	72	84	74	74	64
Chloride	Dissolved 9251	200	39	52	59	62	39	54	57	54	58	53
Nitrogen/Nitrate	Nitrogen By calc	10	9.4	5.2	5.4	0.2	0.2	2.1	0.37	0.08	0.13	2
Total Dissolved Solids	Dissolved 2540C	1,200	480	430	440	460	480	450	520	520	460	500
Fluoride	Dissolved 4500 FC	4	0.3	0.35	0.41	0.35	ND	ND	ND	0.29	0.35	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-4 (mg/L) 12/15/10	MW-4 (mg/L) 3/25/11	MW-4 (mg/L) 6/16/11	MW-4 (mg/L) 9/19/11	MW-4 (mg/L) 12/12/11	MW-4 (mg/L) 3/19/12	MW-4 (mg/L) 6/25/12	MW-4 (mg/L) 9/18/12	MW-4 (mg/L) 12/12/12	MW-4 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	ND	ND	ND	0.0012	ND	ND
Barium	Metals 6020	2.0	0.055	0.052	0.058	0.041	0.048	0.043	0.04	0.07	0.09	0.054
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	0.0045	ND	ND	0.0044	ND	ND	ND	0.0045	0.01	0.0052
Cobalt	Metals 6020	1.0	ND	0.0026	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	0.0033	0.01	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	0.017	ND	ND	ND	ND	ND	ND	0.14	0.059
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	**0.68**	**0.41**	**0.69**	**0.35**	**0.089**	**0.26**	**0.5**	0.027	0.007
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.012	0.012	0.0067	0.011	0.01	0.0055	0.0074	0.0095	ND	ND
Selenium	Metals 6020	0.05	0.0022	0.0037	0.0022	0.0039	0.002	0.0085	0.0035	0.0032	ND	0.013
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.77	0.83	0.33	0.84	0.79	0.78	0.83	0.76	0.74	0.97
Sulfate	Dissolved 9038	400	110	140	48	61	6.7	160	94	170	150	130
Chloride	Dissolved 9251	200	150	77	43	86	8.1	58	75	110	130	90
Nitrogen/Nitrate	Nitrogen By calc	10	0.34	0.73	2.7	0.06	0.07	0.65	1.1	0.46	1	1.8
Total Dissolved Solids	Dissolved 2540C	1,200	680	620	470	580	520	660	600	800	720	640
Fluoride	Dissolved 4500 FC	4	0.3	0.39	0.43	0.31	ND	ND	ND	0.26	0.29	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-5 (mg/L) 12/15/10	MW-5 (mg/L) 3/25/11	MW-5 (mg/L) 6/16/11	MW-5 (mg/L) 9/19/11	MW-5 (mg/L) 12/12/11	MW-5 (mg/L) 3/19/12	MW-5 (mg/L) 6/25/12	MW-5 (mg/L) 9/18/12	MW-5 (mg/L) 12/12/12	MW-5 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0011	ND	ND	ND	0.001	ND	ND	ND	ND	ND
Barium	Metals 6020	2.0	0.053	0.048	0.046	0.071	0.065	0.054	0.058	0.066	0.077	0.061
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	0.0044	0.0042	ND	0.0066	ND	ND	ND	0.0058	0.0049	0.0053
Cobalt	Metals 6020	1.0	0.0025	0.0023	ND	0.0027	0.0022	ND	ND	0.002	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	0.0036	0.0061	ND	0.0031	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.13	0.05	0.046	0.082	0.036	ND	ND	ND	0.43	0.052
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.51**	**0.49**	**0.48**	**0.64**	**0.5**	**0.26**	**0.41**	**1.0**	**0.59**	**0.21**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.014	0.013	0.0077	0.014	0.014	0.008	0.0095	0.013	ND	0.009
Selenium	Metals 6020	0.05	0.0019	0.003	ND	0.0045	0.0023	0.0028	0.0033	0.0031	ND	0.0029
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.95	0.93	0.79	0.79	0.77	0.82	0.74	0.65	0.66	0.66
Sulfate	Dissolved 9038	400	160	170	110	250	170	120	130	200	200	180
Chloride	Dissolved 9251	200	150	120	89	160	140	82	100	150	170	110
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.08	ND	ND	1.6	0.04	0.04	0.04	0.19
Total Dissolved Solids	Dissolved 2540C	1,200	740	680	640	890	820	590	700	890	840	790
Fluoride	Dissolved 4500 FC	4	0.27	0.36	0.43	0.25	ND	ND	ND	0.32	0.32	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)
Chemical Name		Class I*	12/15/10	3/25/11	6/16/11	9/19/11	12/12/11	3/19/12	6/25/12	9/18/12	12/12/12	2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0042	0.0024	0.0029	0.0031	0.0036	0.002	0.0021	0.0022	ND	0.0017
Barium	Metals 6020	2.0	0.11	0.092	0.1	0.1	0.12	0.097	0.12	0.11	0.12	0.088
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	0.006	0.0083	0.0045	0.0085	0.0056	ND	0.0054	0.0072	0.0077	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	0.0032	0.0042	ND	0.16	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	1.6	1.6	1.7	1.8	1.9	1.7	1.9	1.9	1.6	1.1
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.68**	**0.68**	**0.63**	**0.66**	**0.63**	**0.61**	**0.71**	**0.64**	**0.61**	**0.5**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0091	0.014	0.0078	0.0099	0.0089	ND	0.0095	0.011	ND	0.0062
Selenium	Metals 6020	0.05	0.0034	ND	ND	0.0025	0.0033	ND	0.0013	0.0023	ND	0.001
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	0.0064	ND	ND	ND	ND	0.049	ND	ND	ND	ND
Boron	Metals 6020	2	0.5	0.35	0.43	0.61	0.63	0.39	0.46	0.57	0.45	0.39
Sulfate	Dissolved 9038	400	210	250	280	260	170	250	**450**	340	**440**	320
Chloride	Dissolved 9251	200	**180**	200	160	**210**	150	150	200	190	**240**	200
Nitrogen/Nitrate	Nitrogen By calc	10	0.037	ND	ND	0.04	0.06	ND	ND	0.04	0.06	0.02
Total Dissolved Solids	Dissolved 2540C	1,200	950	990	1,100	970	1,000	1,100	**1,300**	1,200	1,200	1,100
Fluoride	Dissolved 4500 FC	4	0.65	0.61	0.63	0.64	0.5	0.47	0.37	0.48	0.42	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class 1 Groundwarer Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-7 (mg/L) 12/15/10	MW-7 (mg/L) 3/25/11	MW-7 (mg/L) 6/16/11	MW-7 (mg/L) 9/19/11	MW-7 (mg/L) 12/12/11	MW-7 (mg/L) 3/19/12	MW-7 (mg/L) 6/25/12	MW-7 (mg/L) 9/18/12	MW-7 (mg/L) 12/12/12	MW-7 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	**0.026**	**0.085**	**0.12**	**0.18**	**0.23**	**0.23**	0.15	**0.18**	**0.26**	**0.17**
Barium	Metals 6020	2.0	0.55	0.52	0.57	0.57	0.59	0.57	0.44	0.46	0.47	0.44
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	0.0026	ND	0.0015	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	0.0088	0.0075	0.0061	0.011	ND	ND	0.0043	0.0051	0.028	0.017
Cobalt	Metals 6020	1.0	0.017	0.0056	0.007	0.0055	0.006	0.0067	0.011	0.009	0.0056	0.0075
Copper	Metals 6020	0.65	0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	0.0055	ND	ND	ND
Iron	Metals 6020	5.0	**8**	**7.5**	**10**	**22**	**26**	**31**	**10**	**21**	**18**	**27**
Lead	Metals 6020	0.0075	**0.039**	ND	0.0014	ND	ND	ND	0.0013	ND	ND	ND
Manganese	Metals 6020	0.15	**3.5**	**5.9**	**6.4**	**12**	**12**	**11**	**9.3**	**8.0**	**6.7**	**9.5**
Mercury	Mercury 7470A	0.002	ND	ND	0.00025	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.045	0.021	0.022	0.026	0.022	0.018	0.026	0.028	ND	0.014
Selenium	Metals 6020	0.05	0.0043	0.0026	0.0025	0.0073	0.0054	0.0013	0.006	0.0047	ND	0.0031
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.012	0.0051
Zinc	Metals 6020	5.0	0.076	ND	ND	ND	ND	ND	0.011	ND	ND	ND
Boron	Metals 6020	2	0.61	0.44	0.43	0.38	0.34	0.35	0.41	0.36	0.41	0.47
Sulfate	Dissolved 9038	400	120	49	25	9.1	3.3	3	18	25	43	36
Chloride	Dissolved 9251	200	170	200	140	130	81	99	130	130	150	160
Nitrogen/Nitrate	Nitrogen By calc	10	0.043	0.08	ND	0.31	0.03	ND	0.02	ND	0.03	0.06
Total Dissolved Solids	Dissolved 2540C	1,200	860	1,100	**1,300**	**1,300**	**1,300**	**1,400**	**1,300**	**1,300**	1,100	1,200
Fluoride	Dissolved 4500 FC	4	0.47	0.42	0.58	0.94	0.47	0.54	0.38	0.35	0.35	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-8 (mg/L) 12/15/10	MW-8 (mg/L) 3/25/11	MW-8 (mg/L) 6/16/11	MW-8 (mg/L) 9/19/11	MW-8 (mg/L) 12/12/11	MW-8 (mg/L) 3/19/12	MW-8 (mg/L) 6/25/12	MW-8 (mg/L) 9/18/12	MW-8 (mg/L) 12/12/12	MW-8 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0052	0.0039	0.0044	0.0036	0.0052	0.0038	0.004	0.0041	0.0062	0.005
Barium	Metals 6020	2.0	0.11	0.12	0.11	0.11	0.13	0.14	0.14	0.14	0.16	0.14
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	0.0059	0.0081	0.0059	0.0084	0.0053	ND	0.0056	0.0066	0.012	0.0046
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	0.0036	0.0037	0.01	ND	ND	0.0032	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.56	2.1	1.7	0.97	0.94	2.3	1.2	1.3	2.1	**6.5**
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.15	**0.27**	**0.29**	**0.18**	**0.2**	**0.27**	**0.2**	**0.2**	**0.23**	**0.43**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.011	0.013	0.0076	0.007	0.009	0.0054	0.0075	0.009	ND	0.0057
Selenium	Metals 6020	0.05	0.0036	0.0013	ND	0.0031	0.0036	0.0018	0.0018	ND	ND	0.002
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.93	0.72	0.64	0.82	0.82	0.57	0.57	1.0	0.93	1.10
Sulfate	Dissolved 9038	400	160	240	140	200	200	300	**440**	330	360	330
Chloride	Dissolved 9251	200	180	**210**	140	**210**	190	170	200	**210**	**220**	200
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.1	1.6	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	890	990	970	940	990	1200	1,200	1,200	1,200	1,100
Fluoride	Dissolved 4500 FC	4	0.77	0.76	0.81	0.84	0.75	0.7	0.63	0.53	0.63	0.28
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-9 (mg/L) 12/16/10	MW-9 (mg/L) 2/15/11	MW-9 (mg/L) 3/25/11	MW-9 (mg/L) 6/16/11	MW-9 (mg/L) 9/19/11	MW-9 (mg/L) 12/12/11	MW-9 (mg/L) 3/19/12	MW-9 (mg/L) 6/25/12	MW-9 (mg/L) 9/18/12	MW-9 (mg/L) 12/12/12	MW-9 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	0.0018	0.0017	ND	0.0012	ND	0.0017	ND	ND	0.0013
Barium	Metals 6020	2.0	0.038	0.042	0.042	0.038	0.03	0.038	0.035	0.038	0.038	0.062	0.049
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	0.0046
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	0.19	0.066	ND	ND	ND	0.014	ND	ND	ND	0.024
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.23**	**0.43**	**0.45**	**0.48**	0.14	**0.28**	**0.22**	**0.34**	0.11	0.1	**0.19**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.01	0.011	0.0093	0.0063	0.0065	0.0088	ND	ND	0.0067	ND	ND
Selenium	Metals 6020	0.05	0.0024	ND	0.0072	0.0017	0.0043	0.0041	0.0072	0.0047	0.0044	0.009	0.015
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.1**	**1.9**	**1.9**	**1.9**	**2.5**	**2.7**	**2.6**	**2.6**	**2.9**	**3.2**	**4.3**
Sulfate	Dissolved 9038	400	110	99	110	110	130	110	120	130	120	130	140
Chloride	Dissolved 9251	200	25	33	28	28	30	30	30	27	28	31	27
Nitrogen/Nitrate	Nitrogen By calc	10	2.9	3.7	5.6	5.6	3.7	2.6	5	2.8	6.3	10	12
Total Dissolved Solids	Dissolved 2540C	1,200	500	470	510	540	500	520	530	520	580	560	520
Fluoride	Dissolved 4500 FC	4	ND	0.32	0.31	0.34	0.25	ND	ND	ND	ND	0.3	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)
Chemical Name		Class I*	12/15/10	3/25/11	6/16/11	9/19/11	12/12/11	3/19/12	6/25/12	9/18/12	12/12/12	2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	0.0015	ND	ND	ND	0.0015	0.0014	ND	0.001
Barium	Metals 6020	2.0	0.24	0.28	0.36	0.25	0.26	0.26	0.27	0.23	0.24	0.22
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	0.0048	0.0064
Cobalt	Metals 6020	1.0	0.0026	0.0027	0.0039	0.0025	0.0026	0.0024	0.0029	0.0029	ND	0.0021
Copper	Metals 6020	0.65	ND	ND	ND	ND	0.0041	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	0.044	ND	ND	ND	0.015	0.012	0.016	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**2.1**	**2.8**	**3.8**	**2.3**	**2.3**	**2.3**	**2.6**	**2.5**	**2.2**	**1.9**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.015	0.016	0.015	0.01	0.013	0.0091	0.0093	0.014	ND	0.0079
Selenium	Metals 6020	0.05	0.0042	0.0064	0.0043	0.0057	0.0065	0.0056	0.0056	0.0058	0.0074	0.0083
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.48	0.48	0.52	0.42	0.57	0.54	0.54	0.42	0.46	0.64
Sulfate	Dissolved 9038	400	62	64	67	64	72	76	63	58	59	69
Chloride	Dissolved 9251	200	40	43	43	49	42	45	46	45	45	37
Nitrogen/Nitrate	Nitrogen By calc	10	3	4	2.1	4.5	4.9	6	2.9	5.2	4.8	3.3
Total Dissolved Solids	Dissolved 2540C	1,200	530	520	650	470	540	530	550	580	420	440
Fluoride	Dissolved 4500 FC	4	ND	0.3	0.36	ND	ND	ND	ND	ND	0.28	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwarer Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-11 (mg/L) 12/16/10	MW-11 (mg/L) 2/15/11	MW-11 (mg/L) 6/16/11	MW-11 (mg/L) 9/19/11	MW-11 (mg/L) 12/12/11	MW-11 (mg/L) 3/19/12	MW-11 (mg/L) 6/25/12	MW-11 (mg/L) 9/18/12	MW-11 (mg/L) 12/12/12	MW-11 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0021	0.0025	0.0019	0.0016	0.0019	0.0021	0.0032	0.0038	**0.03**	**0.045**
Barium	Metals 6020	2.0	0.17	0.11	0.18	0.11	0.11	0.13	0.17	0.22	ND	0.2
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	0.0051	ND	0.015	0.0099
Cobalt	Metals 6020	1.0	0.0028	0.0041	0.0024	ND	ND	0.0024	0.0039	0.0049	0.0041	0.0028
Copper	Metals 6020	0.65	0.0032	0.0032	0.0043	ND	ND	ND	ND	0.0049	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.44	0.01	0.029	0.018	ND	ND	0.056	2.00	0.70	2.40
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	0.0023	ND	ND
Manganese	Metals 6020	0.15	**3.2**	**3.6**	**2.9**	**2.2**	**2.5**	**2.9**	**3.7**	**4.7**	**12**	**11**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.019	0.016	0.013	0.011	0.013	0.011	0.013	0.017	ND	0.0088
Selenium	Metals 6020	0.05	0.0026	0.0015	0.0018	0.004	0.0031	0.0039	0.0039	0.004	ND	0.0014
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	0.012	ND	ND	ND	ND	ND	ND	0.0073	ND	ND
Boron	Metals 6020	2	1.6	1.8	1.6	1.5	1.8	**2.3**	1.9	**2.6**	ND	1.4
Sulfate	Dissolved 9038	400	170	160	210	140	160	130	320	170	200	150
Chloride	Dissolved 9251	200	70	66	120	53	87	54	150	52	83	84
Nitrogen/Nitrate	Nitrogen By calc	10	0.41	0.17	0.04	0.74	1.5	0.39	ND	4.6	0.39	0.33
Total Dissolved Solids	Dissolved 2540C	1,200	740	710	930	620	730	740	1,000	760	970	840
Fluoride	Dissolved 4500 FC	4	0.53	0.56	0.67	0.58	0.44	0.42	0.32	0.56	0.64	0.43
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-12 (mg/L) 12/15/10	MW-12 (mg/L) 2/15/11	MW-12 (mg/L) 6/16/11	MW-12 (mg/L) 9/19/11	MW-12 (mg/L) 12/12/11	MW-12 (mg/L) 3/19/12	MW-12 (mg/L) 6/25/12	MW-12 (mg/L) 9/18/12	MW-12 (mg/L) 12/12/12	MW-12 (mg/L) 2/27/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0088	**0.013**	0.0064	0.0087	0.0089	0.0042	**0.014**	**0.011**	**0.022**	0.0066
Barium	Metals 6020	2.0	0.089	0.11	0.091	0.085	0.09	0.071	0.12	0.11	0.1	0.1
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	0.0056	0.0044	0.0071	0.0047	ND	0.0043	0.0045	0.0079	0.0052
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	0.0032	0.0036	0.0031	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	**5.5**	**6.3**	**5.6**	4	3.1	4.8	**8.2**	**8.9**	**6.4**	**5.8**
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.32**	**0.58**	**0.26**	**0.37**	**0.25**	0.13	**0.71**	**0.64**	1.7	**0.38**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0096	0.01	0.0072	0.0075	0.0091	0.0075	0.0082	0.012	ND	0.0065
Selenium	Metals 6020	0.05	0.0026	0.0027	ND	0.0023	0.0034	0.0043	0.0038	0.0016	ND	0.002
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	1.6	1.4	1.3	1.2	1.3	0.92	1.2	1.1	0.85	1.1
Sulfate	Dissolved 9038	400	290	270	350	360	300	310	**430**	370	300	350
Chloride	Dissolved 9251	200	170	180	180	190	**210**	170	190	170	**210**	190
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.14	ND	ND	0.04	ND	0.03	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	980	1,000	1,100	970	970	1,000	1,200	1,200	1,100	1,000
Fluoride	Dissolved 4500 FC	4	0.71	0.61	0.64	0.74	0.61	0.46	0.36	0.42	0.43	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-13 (mg/L) 12/15/10	MW-13 (mg/L) 2/15/11	MW-13 (mg/L) 4/25/11	MW-13 (mg/L) 6/16/11	MW-13 (mg/L) 8/9/11	MW-13 (mg/L) 10/13/11	MW-13 (mg/L) 12/12/11	MW-13 (mg/L) 4/10/12	MW-13 (mg/L) 6/25/12	MW-13 (mg/L) 9/18/12	MW-13 (mg/L) 12/14/12	MW-13 (mg/L) 2/28/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Arsenic	Metals 6020	0.01[a]	**0.011**	0.0069	0.0063	0.0057	0.0048	0.0066	**0.023**	**0.027**	NS	NS	**0.041**	**0.029**
Barium	Metals 6020	2.0	0.11	0.052	0.073	0.059	0.046	0.083	0.21	0.14	NS	NS	0.30	0.19
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Chromium	Metals 6020	0.1	0.0062	0.0042	0.0045	ND	ND	0.01	0.0055	0.0055	NS	NS	0.011	0.0057
Cobalt	Metals 6020	1.0	0.0031	0.0026	0.0023	0.0022	0.0031	ND	ND	ND	NS	NS	ND	ND
Copper	Metals 6020	0.65	0.0068	0.0037	0.0041	0.004	0.004	0.0055	0.0066	0.0068	NS	NS	ND	0.0037
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Iron	Metals 6020	5.0	0.69	0.052	0.077	ND	0.043	ND	0.11	0.2	NS	NS	0.066	0.28
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Manganese	Metals 6020	0.15	**5**	**3.8**	**2.7**	**2.9**	**2.6**	**3.6**	**3.5**	**3.5**	NS	NS	**3.7**	**3.5**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Nickel	Metals 6020	0.1	0.03	0.023	0.021	0.018	0.016	0.015	0.022	0.02	NS	NS	ND	0.011
Selenium	Metals 6020	0.05	0.0046	0.0046	0.0045	0.0029	0.0056	0.004	0.0036	0.0037	NS	NS	ND	0.0025
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	0.06	ND	ND	NS	NS	ND	ND
Boron	Metals 6020	2	**3.9**	**3.1**	**2.6**	**3.0**	**2.7**	**3.0**	**4.1**	**4.0**	NS	NS	**3.6**	**4.2**
Sulfate	Dissolved 9038	400	**1,400**	**770**	**580**	**540**	**440**	**660**	**1,100**	**1100**	NS	NS	**1,100**	**730**
Chloride	Dissolved 9251	200	160	120	100	86	110	110	180	170	NS	NS	**210**	170
Nitrogen/Nitrate	Nitrogen By calc	10	0.14	1.3	1.8	2.2	3.6	1.6	0.07	0.06	NS	NS	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	**2,600**	**1,600**	**1,400**	**1,300**	1,100	**1,500**	**2,100**	**2,300**	NS	NS	**1,900**	**1,600**
Fluoride	Dissolved 4500 FC	4	0.28	0.29	0.31	0.44	0.38	0.3	ND	0.32	NS	NS	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)	MW-14 (mg/L)
Chemical Name		Class I*	12/15/10	2/15/11	4/25/11	6/16/11	8/9/11	10/13/11	12/12/11	4/10/12	6/25/12	9/18/12	12/14/12	2/28/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Arsenic	Metals 6020	0.01[a]	0.024	0.019	0.0084	0.005	0.0062	0.015	0.0033	0.0039	NS	NS	0.0053	0.0066
Barium	Metals 6020	2.0	0.034	0.034	0.036	0.04	0.041	0.04	0.045	0.045	NS	NS	0.038	0.032
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Chromium	Metals 6020	0.1	ND	0.0046	0.0078	0.0049	0.0076	0.0096	0.0065	0.0057	NS	NS	0.018	0.0095
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Copper	Metals 6020	0.65	0.0037	0.0035	0.0074	0.0071	0.0064	0.0055	0.025	0.0067	NS	NS	ND	0.003
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Iron	Metals 6020	5.0	2.2	0.94	0.036	0.3	0.71	2	0.12	0.77	NS	NS	0.012	0.02
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	0.0035	NS	NS	ND	ND
Manganese	Metals 6020	0.15	**0.68**	**0.81**	**0.29**	**0.36**	**0.57**	**0.84**	0.067	**0.63**	NS	NS	0.11	0.12
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Nickel	Metals 6020	0.1	0.015	0.015	0.02	0.016	0.016	0.011	0.015	0.018	NS	NS	ND	0.0094
Selenium	Metals 6020	0.05	0.0024	0.0015	**0.065**	0.0035	0.003	0.0017	0.0037	0.022	NS	NS	0.0055	**0.15**
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Thallium	Metals 6020	0.002	0.0019	0.0018	**0.0035**	**0.0039**	**0.0027**	0.0016	0.0016	**0.0034**	NS	NS	**0.0025**	**0.0043**
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.01	0.007
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	0.0084	NS	NS	ND	ND
Boron	Metals 6020	2	2.0	1.9	1.9	1.9	1.8	1.9	1.9	1.8	NS	NS	ND	1.9
Sulfate	Dissolved 9038	400	**960**	**820**	**770**	**810**	**940**	**850**	**880**	**990**	NS	NS	**810**	390
Chloride	Dissolved 9251	200	160	160	160	160	**240**	200	200	190	NS	NS	190	92
Nitrogen/Nitrate	Nitrogen By calc	10	0.036	ND	1	0.27	0.05	ND	0.33	0.31	NS	NS	0.32	3.5
Total Dissolved Solids	Dissolved 2540C	1,200	**1,800**	**1,700**	**1,800**	**1,900**	**2,000**	**1,800**	**1,800**	**2,200**	NS	NS	**1,700**	**1,300**
Fluoride	Dissolved 4500 FC	4	1.7	1.6	1.1	1.3	1.4	0.88	1.1	1	NS	NS	1.2	0.29
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-15 (mg/L) 12/15/10	MW-15 (mg/L) 2/15/11	MW-15 (mg/L) 4/25/11	MW-15 (mg/L) 6/16/11	MW-15 (mg/L) 8/9/11	MW-15 (mg/L) 10/13/11	MW-15 (mg/L) 12/12/11	MW-15 (mg/L) 4/10/12	MW-15 (mg/L) 6/25/12	MW-15 (mg/L) 9/18/12	MW-15 (mg/L) 12/14/12	MW-15 (mg/L) 2/28/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0099	0.0092	0.0064	0.0052	0.0053	**0.011**	0.0097	0.0061	NS	NS	**0.011**	0.0078
Barium	Metals 6020	2.0	0.058	0.052	0.061	0.11	0.057	0.06	0.063	0.075	NS	NS	0.11	0.096
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Chromium	Metals 6020	0.1	0.0042	0.0061	0.0092	0.0054	0.0091	0.0062	0.0062	0.0071	NS	NS	0.012	0.0062
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Copper	Metals 6020	0.65	ND	ND	0.0039	0.005	0.0041	0.0037	0.0031	0.0039	NS	NS	ND	0.0036
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Iron	Metals 6020	5.0	3.3	2.4	2.1	0.7	2.1	2.6	2.1	0.0011	NS	NS	1.9	1.5
Lead	Metals 6020	0.0075	ND	ND	0.0012	ND	ND	ND	ND	ND	NS	NS	ND	ND
Manganese	Metals 6020	0.15	**0.56**	**0.42**	**0.36**	**0.6**	**0.37**	**0.48**	**0.39**	**0.25**	NS	NS	**0.51**	**0.35**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Nickel	Metals 6020	0.1	0.013	0.011	0.012	0.015	0.01	0.011	0.011	0.01	NS	NS	ND	0.0079
Selenium	Metals 6020	0.05	0.0042	0.0079	0.017	0.004	0.002	0.004	0.0047	0.025	NS	NS	ND	0.0024
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND
Boron	Metals 6020	2	1.6	1.4	1.5	1.6	1.3	1.2	1.2	1.4	NS	NS	ND	1.7
Sulfate	Dissolved 9038	400	300	220	270	**650**	250	180	140	200	NS	NS	320	280
Chloride	Dissolved 9251	200	180	190	190	170	**210**	180	200	200	NS	NS	**220**	200
Nitrogen/Nitrate	Nitrogen By calc	10	0.03	0.086	0.04	0.07	0.05	ND	0.07	0.12	NS	NS	0.12	0.02
Total Dissolved Solids	Dissolved 2540C	1,200	1,000	1,000	1,100	**1,600**	1,000	890	840	1,000	NS	NS	1,100	1,100
Fluoride	Dissolved 4500 FC	4	0.69	0.75	0.6	0.73	0.76	0.77	0.75	0.79	NS	NS	0.95	0.29
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	EPA 624	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	EPA 624	11.705	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

Table 4

GROUNDWATER ANALYTICAL RESULTS

Powerton Generation Station

Pekin, Illinois

Midwest Generation

21253.022

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-16 (mg/L) 12/12/12	MW-16 (mg/L) 2/28/13
Antimony	Metals 6020	0.006	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND
Barium	Metals 6020	2.0	0.039	0.042
Beryllium	Metals 6020	0.004	ND	ND
Cadmium	Metals 6020	0.005	ND	ND
Chromium	Metals 6020	0.1	0.0047	0.0052
Cobalt	Metals 6020	1.0	ND	ND
Copper	Metals 6020	0.65	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND
Iron	Metals 6020	5.0	0.012	0.019
Lead	Metals 6020	0.0075	ND	ND
Manganese	Metals 6020	0.15	0.022	0.0053
Mercury	Mercury 7470A	0.002	ND	ND
Nickel	Metals 6020	0.1	ND	ND
Selenium	Metals 6020	0.05	ND	0.0015
Silver	Metals 6020	0.05	ND	ND
Thallium	Metals 6020	0.002	ND	ND
Vanadium	Metals 6020	0.049	ND	ND
Zinc	Metals 6020	5.0	ND	ND
Boron	Metals 6020	2	ND	0.13
Sulfate	Dissolved 9038	400	37	31
Chloride	Dissolved 9251	200	26	18
Nitrogen/Nitrate	Nitrogen By calc	10	**18**	**23**
Total Dissolved Solids	Dissolved 2540C	1,200	520	420
Fluoride	Dissolved 4500 FC	4	ND	ND
Perchlorate	EPA 314.0	0.0049	ND	ND
Benzene	EPA 624	0.005	ND	ND
BTEX	EPA 624	11.705	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206

Bold values show exceedences of 35 IAC Part 620

NS-not sampled

ND- non detect

mg/L- milligrams per liter

EXHIBIT L:

Groundwater Monitoring Data Summary for Waukegan

Table 4

GROUNDWATER ANALYTICAL RESULTS

Waukegan Station

Waukegan, Illinois

Midwest Generation

21253.053

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-1 (mg/L) 10/25/10	MW-1 (mg/L) 3/24/11	MW-1 (mg/L) 6/13/11	MW-1 (mg/L) 9/13/11	MW-1 (mg/L) 12/6/11	MW-1 (mg/L) 3/14/12	MW-1 (mg/L) 6/18/12	MW-1 (mg/L) 9/28/12	MW-1 (mg/L) 12/19/12	MW-1 (mg/L) 3/7/13
Antimony	Metals 6020	0.006	0.0052	ND	ND	ND	ND	ND	0.0056	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	**0.054**	0.04	**0.17**	**0.077**	**0.057**	**0.078**	**0.07**	**0.07**	**0.091**	**0.098**
Barium	Metals 6020	2.0	0.023	0.022	0.02	0.038	0.051	0.034	0.028	0.013	0.013	0.033
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	0.02	0.013	ND	ND	0.012	0.019	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	0.0027	0.0086	0.02	0.011	0.0052	ND	ND	ND	0.0047
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	0.031	0.03	0.016	0.039	0.032	0.037	0.013	0.0093	ND	**0.056**
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.026	0.018
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.6**	2	**2.6**	**2.5**	**2.8**	**2.5**	2.0	1.9	1.9	**2.2**
Sulfate	Dissolved 9038	400	350	230	260	280	330	390	300	240	200	250
Chloride	Dissolved 9251	200	39	48	52	41	32	47	46	47	48	45
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	ND	0.52	0.3	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	460	470	460	570	750	630	630	450	460	510
Fluoride	Dissolved 4500 FC	4	0.45	0.59	0.71	0.33	0.46	0.46	0.39	0.34	0.41	0.5
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	0.021	0.1	0.023	ND	0.055	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	ND	0.52	0.32	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

NA - No Class I Groundwater Standard available

ND-non detect

mg/L-milligrams per liter

NS - Not Sampled

Table 4

GROUNDWATER ANALYTICAL RESULTS

Waukegan Station

Waukegan, Illinois

Midwest Generation

21253.053

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)	MW-2 (mg/L)
Chemical Name		Class I*	10/25/10	3/24/11	6/13/11	9/13/11	12/6/11	3/14/12	6/18/12	9/28/12	12/19/12	3/7/13
Antimony	Metals 6020	0.006	**0.015**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	**0.025**	**0.016**	**0.012**	0.0087	0.0094	0.0094	**0.011**	**0.011**	0.0089	**0.012**
Barium	Metals 6020	2.0	0.0091	0.014	0.024	0.02	0.023	0.017	0.016	0.019	0.016	0.02
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	0.014	0.019	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.0034	0.018	0.032	0.038	0.035	0.028	0.031	0.025	0.023	0.039
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	0.0025	ND	ND
Selenium	Metals 6020	0.05	0.026	0.0085	0.028	0.022	0.0086	0.0046	ND	0.0027	ND	0.0084
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.2**	**2.2**	2	1.7	1.9	2	**2.6**	**2.1**	1.9	**2.2**
Sulfate	Dissolved 9038	400	230	160	150	200	180	200	210	270	210	230
Chloride	Dissolved 9251	200	42	45	46	45	50	53	48	55	54	50
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.23	0.12	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	410	400	410	460	490	400	520	540	500	520
Fluoride	Dissolved 4500 FC	4	0.35	0.53	0.8	0.56	0.67	0.88	1.1	1.1	1.3	1.2
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	0.23	0.12	ND	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exeeedences of 35 IAC Part 620

NA - No Class I Groundwater Standard available

ND-non detect

mg/L-milligrams per liter

NS - Not Sampled

Table 4
GROUNDWATER ANALYTICAL RESULTS
Waukegan Station
Waukegan, Illinois
Midwest Generation
21253.053

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-3 (mg/L) 10/25/10	MW-3 (mg/L) 3/24/11	MW-3 (mg/L) 6/13/11	MW-3 (mg/L) 9/13/11	MW-3 (mg/L) 12/6/11	MW-3 (mg/L) 3/14/12	MW-3 (mg/L) 6/18/12	MW-3 (mg/L) 9/28/12	MW-3 (mg/L) 12/19/12	MW-3 (mg/L) 3/7/13
Antimony	Metals 6020	0.006	0.0051	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0043	0.0041	0.0049	0.0077	0.0049	0.0071	0.0030	0.0044	0.0031	0.0018
Barium	Metals 6020	2.0	0.0057	0.0086	0.018	0.0044	0.0058	0.0049	0.0067	0.01	0.011	0.015
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	0.03	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	0.0059	0.0044	ND	0.0054	0.0036	0.0070	0.0034	0.0034	0.015
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	0.0094	0.016	0.03	0.012	0.011	0.0064	0.017	0.0072	ND	0.011
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	1.7	**2.2**	**2.3**	1.6	1.6	1.5	1.3	1.4	1.9	2
Sulfate	Dissolved 9038	400	120	130	130	97	110	140	150	260	240	240
Chloride	Dissolved 9251	200	53	49	53	49	51	52	41	47	49	45
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.29	ND	ND	ND	0.17	0.42	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	280	350	340	300	380	340	420	480	520	470
Fluoride	Dissolved 4500 FC	4	0.27	0.47	0.39	0.24	0.67	0.64	0.76	0.96	1.1	0.99
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	0.076	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	0.29	ND	ND	ND	0.17	0.5	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
NA - No Class I Groundwater Standard available
ND-non detect
mg/L-milligrams per liter
NS - Not Sampled

Table 4
GROUNDWATER ANALYTICAL RESULTS
Waukegan Station
Waukegan, Illinois
Midwest Generation
21253.053

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-4 (mg/L) 10/25/10	MW-4 (mg/L) 3/24/11	MW-4 (mg/L) 6/13/11	MW-4 (mg/L) 9/13/11	MW-4 (mg/L) 12/6/11	MW-4 (mg/L) 3/14/12	MW-4 (mg/L) 6/18/12	MW-4 (mg/L) 9/28/12	MW-4 (mg/L) 12/19/12	MW-4 (mg/L) 3/7/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.006	0.0077	0.0059	0.0058	0.0065	0.0068	0.0091	0.0079	0.008	0.0081
Barium	Metals 6020	2.0	0.026	0.025	0.034	0.039	0.036	0.038	0.025	0.024	0.031	0.031
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.058	0.035	0.028	**0.36**	0.025	0.038	0.041	0.028	0.031	0.034
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	0.0039	ND	0.022	0.025	0.015	0.0091	ND	0.0061	ND	0.0043
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	2	**2.1**	2	1.8	**2.1**	2.2	**2.5**	**2.2**	**2.5**	**2.4**
Sulfate	Dissolved 9038	400	250	170	160	160	160	280	250	210	220	230
Chloride	Dissolved 9251	200	39	47	45	59	60	71	53	55	55	50
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.18	0.14	ND	ND	ND	ND	0.31	ND
Total Dissolved Solids	Dissolved 2540C	1,200	430	400	380	470	480	490	540	440	510	460
Fluoride	Dissolved 4500 FC	4	0.6	0.84	0.97	0.67	0.82	0.73	0.82	0.85	0.72	0.73
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	0.18	0.14	ND	ND	ND	ND	0.31	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:
*Class I Groundwater Standards from 35 IAC Part 620
[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L
Bold values show exceedences of 35 IAC Part 620
NA - No Class I Groundwater Standard available
ND-non detect
mg/L-milligrams per liter
NS - Not Sampled

Table 4

GROUNDWATER ANALYTICAL RESULTS

Waukegan Station

Waukegan, Illinois

Midwest Generation

21253.053

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-5 (mg/L) 10/25/10	MW-5 (mg/L) 3/24/11	MW-5 (mg/L) 6/13/11	MW-5 (mg/L) 9/13/11	MW-5 (mg/L) 12/6/11	MW-5 (mg/L) 3/14/12	MW-5 (mg/L) 6/18/12	MW-5 (mg/L) 9/28/12	MW-5 (mg/L) 12/19/12	MW-5 (mg/L) 3/7/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0076	0.0082	0.0013	ND	0.01	0.01	0.0098	**0.012**	**0.011**	**0.012**
Barium	Metals 6020	2.0	0.06	0.066	0.057	0.041	0.073	0.063	0.051	0.067	0.07	0.06
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	0.0021	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	3.5	2.8	0.95	0.42	**5.6**	**6.6**	**5.9**	**5.1**	3.9	4
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.71**	**0.6**	**0.28**	0.03	**0.99**	**0.76**	**0.75**	**0.57**	**0.48**	**0.51**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	0.0026	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	0.0028	ND	0.0094	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**28**	**33**	**12**	**30**	**37**	**44**	**47**	**41**	**27**	**33**
Sulfate	Dissolved 9038	400	**920**	**780**	**1,100**	**810**	**1,100**	**980**	**800**	**710**	**550**	**650**
Chloride	Dissolved 9251	200	100	120	**540**	**220**	110	50	50	170	**220**	68
Nitrogen/Nitrate	Nitrogen By calc	10	ND	0.27	0.2	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	**1,500**	**1,800**	**3,300**	**2,300**	**2,300**	**2,000**	**2,000**	**1,900**	**1,800**	**1,600**
Fluoride	Dissolved 4500 FC	4	0.29	0.34	0.24	0.18	0.29	0.29	0.31	0.32	0.36	0.36
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	0.27	0.2	ND	ND	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

NA - No Class I Groundwater Standard available

ND-non detect

mg/L-milligrams per liter

NS - Not Sampled

Table 4

GROUNDWATER ANALYTICAL RESULTS

Waukegan Station

Waukegan, Illinois

Midwest Generation

21253.053

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-6 (mg/L) 12/19/12	MW-6 (mg/L) 3/7/13	MW-7 (mg/L) 12/19/12	MW-7 (mg/L) 3/7/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0029	0.0019	0.0099	**0.012**
Barium	Metals 6020	2.0	0.11	0.088	0.08	0.082
Beryllium	Metals 6020	0.004	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND
Iron	Metals 6020	5.0	2.6	2	**12**	**12**
Lead	Metals 6020	0.0075	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.21**	**0.36**	**0.46**	**0.49**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND
Selenium	Metals 6020	0.05	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	ND	ND	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND
Boron	Metals 6020	2	1.1	**2.8**	**43**	**49**
Sulfate	Dissolved 9038	400	160	380	**630**	**710**
Chloride	Dissolved 9251	200	110	61	60	54
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	940	1,100	**1,800**	**1,800**
Fluoride	Dissolved 4500 FC	4	0.43	0.27	0.48	0.5
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	ND	ND	ND	ND
Benzene	8260B	0.005	ND	ND	ND	ND
BTEX	8260B	11.705	ND	ND	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L

Bold values show exceedences of 35 IAC Part 620

NA - No Class I Groundwater Standard available

ND-non detect

mg/L-milligrams per liter

NS - Not Sampled

EXHIBIT M:

Groundwater Monitoring Data Summary for Will County

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-1 (mg/L) 12/13/10	MW-1 (mg/L) 3/28/11	MW-1 (mg/L) 6/15/11	MW-1 (mg/L) 9/15/11	MW-1 (mg/L) 12/8/11	MW-1 (mg/L) 3/16/12	MW-1 (mg/L) 6/20/12	MW-1 (mg/L) 9/24/12	MW-1 (mg/L) 12/18/12	MW-1 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	0.0063	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Metals 6020	2.0	0.05	0.041	0.046	0.038	0.033	0.033	0.039	0.035	0.034	0.034
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035
Cobalt	Metals 6020	1.0	0.0011	ND	ND	ND	ND	ND	ND	ND	ND	0.0017
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	0.11	0.11	ND	0.23	0.33	0.2	0.42
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.2**	0.15	**0.22**	**0.16**	**0.17**	**0.16**	**0.16**	0.15	**0.18**	**0.17**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0046	0.0038	ND	0.0029	0.004	0.0042	0.0041	0.0043	0.0052	0.054
Selenium	Metals 6020	0.05	ND	ND	ND	0.0053	0.0025	0.0033	0.0040	ND	ND	0.0042
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	0.04	ND	ND
Boron	Metals 6020	2	1.8	1.6	1.8	1.7	1.6	1.5	**2.1**	1.9	1.9	1.9
Sulfate	Dissolved 9038	400	**530**	390	280	320	270	**430**	390	390	290	310
Chloride	Dissolved 9251	200	110	**210**	110	120	140	190	170	120	160	**220**
Nitrogen/Nitrate	Nitrogen By calc	10	ND	1.1	0.73	0.33	1.4	2.2	0.61	0.25	1.5	1.6
Total Dissolved Solids	Dissolved 2540C	1,200	1,100	1,100	1,100	760	770	910	950	790	880	930
Fluoride	Dissolved 4500 FC	4	0.71	0.65	0.53	0.77	0.73	0.69	0.77	0.86	0.86	0.77^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	0.042	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	1.1	0.73	0.37	1.4	2.2	0.61	0.25	1.5	1.6
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill. Reg. 15206, effective as of October 5, 2012.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-2 (mg/L) 12/13/10	MW-2 (mg/L) 3/28/11	MW-2 (mg/L) 6/15/11	MW-2 (mg/L) 9/15/11	MW-2 (mg/L) 12/8/11	MW-2 (mg/L) 3/16/12	MW-2 (mg/L) 6/20/12	MW-2 (mg/L) 9/24/12	MW-2 (mg/L) 12/18/12	MW-2 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	0.0073	0.017	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0052	0.0032	ND	0.008	0.0058	0.0048	0.0044	0.0071	0.0046	0.0037
Barium	Metals 6020	2.0	0.061	0.068	0.068	0.048	0.048	0.058	0.062	0.05	0.051	0.057
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.032	0.032	0.043	0.036	0.031	0.031	0.038	0.029	0.033	0.029
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	1.8	1.7	**2.3**	**2.3**	1.7	1.7	2.0	**2.2**	1.8	1.7
Sulfate	Dissolved 9038	400	**430**	280	400	330	220	330	340	280	250	260
Chloride	Dissolved 9251	200	110	**250**	180	110	120	140	150	110	130	190
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11
Total Dissolved Solids	Dissolved 2540C	1,200	870	970	900	720	650	810	850	690	710	740
Fluoride	Dissolved 4500 FC	4	0.62	0.5	0.42	0.59	0.59	0.46	0.55	0.71	0.6	0.48^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-3 (mg/L) 12/13/10	MW-3 (mg/L) 3/28/11	MW-3 (mg/L) 6/15/11	MW-3 (mg/L) 9/15/11	MW-3 (mg/L) 12/8/11	MW-3 (mg/L) 3/16/12	MW-3 (mg/L) 6/20/12	MW-3 (mg/L) 9/24/12	MW-3 (mg/L) 12/18/12	MW-3 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.002	0.0024	ND	0.0025	0.0018	0.0017	0.002	0.0026	0.0019	0.0017
Barium	Metals 6020	2.0	0.084	0.086	0.071	0.079	0.083	0.075	0.12	0.085	0.079	0.085
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.37	0.57	ND	0.26	0.19	0.2	0.34	0.21	0.2	0.2
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.34**	**0.31**	**0.34**	**0.26**	**0.29**	**0.27**	**0.37**	**0.24**	**0.25**	**0.29**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0054	0.0037	ND	0.0061	0.0053	0.0052	0.0051	0.0069	0.0079	0.0061
Selenium	Metals 6020	0.05	ND	ND	ND	0.0033	ND	ND	ND	0.004	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.7**	**2.4**	**2.6**	**3.3**	**2.8**	**2.7**	**3.1**	**3.9**	**3.4**	**3.2**
Sulfate	Dissolved 9038	400	330	270	240	250	280	320	**500**	**440**	**480**	390
Chloride	Dissolved 9251	200	54	**250**	100	130	100	95	88	96	100	87
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.81	ND	0.54	ND	0.18	ND	ND	0.21
Total Dissolved Solids	Dissolved 2540C	1,200	940	1,000	990	1,000	930	1,000	**1,400**	1,100	1,100	1,100
Fluoride	Dissolved 4500 FC	4	0.5	0.37	0.36	0.45	0.39	0.38	0.36	0.45	0.44	0.38^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	0.81	ND	0.54	ND	0.18	ND	ND	0.21
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-4 (mg/L) 12/13/10	MW-4 (mg/L) 3/29/11	MW-4 (mg/L) 6/15/11	MW-4 (mg/L) 9/15/11	MW-4 (mg/L) 12/8/11	MW-4 (mg/L) 3/16/12	MW-4 (mg/L) 6/20/12	MW-4 (mg/L) 9/24/12	MW-4 (mg/L) 12/18/12	MW-4 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0027	0.0016	ND	0.0041	0.0016	0.0015	0.0028	0.0044	0.0033	0.001
Barium	Metals 6020	2.0	0.068	0.062	0.05	0.05	0.043	0.036	0.041	0.041	0.037	0.033
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	0.0011	ND	ND	0.0012	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.83	0.78	0.7	1.2	0.64	0.53	0.95	0.83	1.2	0.2
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.52**	**0.58**	**0.7**	**1.0**	**0.62**	**0.6**	**0.70**	**0.99**	**0.62**	**0.47**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0048	0.0041	ND	0.0051	0.0047	0.0048	0.0047	0.0046	0.005	0.0047
Selenium	Metals 6020	0.05	ND	0.0033	ND	ND	0.0086	0.0067	ND	0.0026	ND	0.015
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**3.7**	**3.3**	**3.6**	**4.3**	**3.0**	**4.0**	**5.3**	**6.2**	**5.2**	**4.5**
Sulfate	Dissolved 9038	400	**1,500**	**1,500**	**1,600**	**4,800**	**1,600**	**2,000**	**2,800**	**3,200**	**2,200**	**2,000**
Chloride	Dissolved 9251	200	120	190	120	170	150	150	140	170	170	150
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.19	ND	0.37	0.45	ND	ND	ND	0.69
Total Dissolved Solids	Dissolved 2540C	1,200	**2,500**	**2,600**	**2,800**	**6,000**	**3,100**	**3,700**	**4,300**	**4,400**	**4,000**	**3,600**
Fluoride	Dissolved 4500 FC	4	0.52	0.49	0.48	0.53	0.55	0.5	0.62	0.68	0.63	0.56^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	0.19	ND	0.37	0.45	ND	ND	ND	0.69
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-5 (mg/L) 12/13/10	MW-5 (mg/L) 3/29/11	MW-5 (mg/L) 6/15/11	MW-5 (mg/L) 9/15/11	MW-5 (mg/L) 12/8/11	MW-5 (mg/L) 3/16/12	MW-5 (mg/L) 6/20/12	MW-5 (mg/L) 9/24/12	MW-5 (mg/L) 12/18/12	MW-5 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0066	0.0048	ND	0.0025	0.0065	0.0065	0.0073	0.0023	0.0058	0.0069
Barium	Metals 6020	2.0	0.051	0.06	0.067	0.07	0.061	0.053	0.040	0.073	0.045	0.050
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.0079	0.0067	0.055	0.13	0.038	0.032	0.014	0.073	0.023	0.036
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	0.0021	ND	ND	ND	0.0025	0.002	0.0022
Selenium	Metals 6020	0.05	0.017	0.014	0.016	0.008	0.01	0.0059	ND	0.017	0.0079	0.01
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.034	0.025
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.6**	**2.7**	**3.2**	**4.0**	**3.2**	**2.9**	**2.3**	**3.8**	**2.5**	**2.6**
Sulfate	Dissolved 9038	400	**580**	**570**	**540**	**690**	**500**	370	**410**	**540**	280	320
Chloride	Dissolved 9251	200	110	150	140	150	130	170	150	160	150	140
Nitrogen/Nitrate	Nitrogen By calc	10	0.27	1.6	0.97	0.11	1	0.11	0.24	0.11	ND	0.56
Total Dissolved Solids	Dissolved 2540C	1,200	1,000	**1,300**	**1,400**	**1,500**	1,000	1,000	750	1,100	820	940
Fluoride	Dissolved 4500 FC	4	0.41	0.4	0.46	0.49	0.38	0.42	0.59	0.44	0.47	0.42^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	0.31	0.13	ND	0.17	0.14	0.031	ND	1.2	0.74
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	0.27	1.9	1.1	0.11	1.2	0.25	0.27	0.11	1.2	1.3
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)	MW-6 (mg/L)
Chemical Name		**Class I***	**12/13/10**	**3/28/11**	**6/15/11**	**9/15/11**	**12/8/11**	**3/16/12**	**6/20/12**	**9/24/12**	**12/18/12**	**3/6/13**
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0018	0.0018	ND	0.0031	0.0022	0.0022	0.0021	0.0026	0.002	0.0019
Barium	Metals 6020	2.0	0.05	0.04	0.045	0.041	0.053	0.044	0.046	0.054	0.051	0.044
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.073	0.051	0.047	0.024	0.038	0.029	0.033	0.038	0.034	0.03
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND
Selenium	Metals 6020	0.05	0.0062	0.0028	ND	0.011	ND	ND	0.0034	0.014	0.0057	0.0075
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	0.011
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.7**	**2.5**	**2.4**	**3.0**	**2.5**	**2.5**	**2.9**	**3.0**	**3.0**	**2.7**
Sulfate	Dissolved 9038	400	**500**	**540**	**570**	**420**	**440**	380	**450**	**550**	360	370
Chloride	Dissolved 9251	200	120	**210**	150	120	120	110	92	110	110	130
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.1	ND	ND	ND	ND	ND	ND	0.63
Total Dissolved Solids	Dissolved 2540C	1,200	990	1,100	1,200	870	880	900	770	890	820	840
Fluoride	Dissolved 4500 FC	4	0.85	0.88	0.79	0.97	0.77	0.68	0.81	ND	0.71	0.71^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	0.048	0.16	ND	ND	ND	0.052	0.026	ND	0.19
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	0.26	ND	ND	ND	ND	ND	ND	0.82
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND^
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-7 (mg/L) 12/13/10	MW-7 (mg/L) 3/29/11	MW-7 (mg/L) 6/15/11	MW-7 (mg/L) 9/15/11	MW-7 (mg/L) 12/8/11	MW-7 (mg/L) 3/16/12	MW-7 (mg/L) 6/20/12	MW-7 (mg/L) 9/24/12	MW-7 (mg/L) 12/18/12	MW-7 (mg/L) 3/6/13
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.004	0.0037	ND	0.0042	0.0042	0.0041	0.0039	0.0049	0.0034	0.0033
Barium	Metals 6020	2.0	0.045	0.067	0.076	0.082	0.082	0.069	0.057	0.086	0.044	0.041
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.23	0.18	ND	0.37	0.5	0.57	0.60	0.51	0.62	0.47
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	0.12	0.11	0.15	**0.18**	**0.2**	**0.2**	**0.19**	**0.19**	**0.19**	0.15
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0029	0.0023	ND	0.0024	0.0021	ND	0.0020	ND	ND	ND
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	0.0055
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**4.7**	**5.0**	**5.7**	**3.4**	**5.0**	**5.1**	**5.6**	**5.5**	**5.1**	**4.3**
Sulfate	Dissolved 9038	400	**610**	**650**	**1,000**	**710**	**710**	**770**	**670**	**600**	**480**	400
Chloride	Dissolved 9251	200	160	140	140	160	150	130	120	150	140	140
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	**1,300**	**1,500**	**x**	**1,400**	**1,300**	**1,400**	**1,300**	1,200	1,200	1,000
Fluoride	Dissolved 4500 FC	4	0.96	0.77	0.71	0.82	0.86	0.76	0.83	ND	0.89	0.92^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	0.077	0.035	0.05	0.043	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND^
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)	MW-8 (mg/L)
Chemical Name		**Class I***	**12/13/10**	**3/29/11**	**6/15/11**	**9/15/11**	**12/8/11**	**3/16/12**	**6/20/12**	**9/24/12**	**12/18/12**	**3/6/13**
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0067	0.0059	0.0082	**0.014**	**0.012**	0.0066	**0.013**	**0.018**	0.0088	0.0088
Barium	Metals 6020	2.0	0.069	0.089	0.085	0.099	0.078	0.066	0.074	0.09	0.079	0.069
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.48	0.38	0.76	0.46	0.68	ND	0.58	0.66	0.5	0.43
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	**0.33**	**0.44**	**0.47**	**0.45**	**0.4**	ND	**0.36**	**0.41**	**0.43**	**0.33**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	0.0034	0.002	ND	0.0022	0.0035	0.0033	0.0031
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	1.7	1.3	1.7	**2.3**	1.9	1.5	2.0	**2.6**	**2.1**	1.8
Sulfate	Dissolved 9038	400	**440**	**440**	**420**	**600**	330	330	370	**630**	380	360
Chloride	Dissolved 9251	200	93	**270**	200	160	130	160	160	150	150	150
Nitrogen/Nitrate	Nitrogen By calc	10	ND	0.22	ND	ND	ND	ND	ND	ND	0.23	ND
Total Dissolved Solids	Dissolved 2540C	1,200	930	1,200	1,100	**1,300**	980	910	1,000	1,200	1,200	1,000
Fluoride	Dissolved 4500 FC	4	0.61	0.55	0.57	0.64	0.61	0.52	0.60	0.65	0.58	0.55^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	0.22	ND	ND	ND	ND	ND	ND	0.23	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND^
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)	MW-9 (mg/L)
Chemical Name		**Class I***	**12/13/10**	**3/29/11**	**6/15/11**	**9/15/11**	**12/8/11**	**3/16/12**	**6/20/12**	**9/24/12**	**12/18/12**	**3/6/13**
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0059	0.0049	0.0052	0.0065	0.0078	0.0053	0.0056	0.0068	0.006	0.0051
Barium	Metals 6020	2.0	0.025	0.031	0.025	0.023	0.017	0.023	0.022	0.026	0.02	0.016
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND	0.018	ND	ND	ND
Iron	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	ND	ND	ND	ND	ND	ND	ND	0.0036	ND	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0023	0.0022
Selenium	Metals 6020	0.05	0.0036	0.0042	ND	0.0045	0.0031	ND	0.0026	0.0031	0.0039	0.0029
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	0.031	0.024
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.2**	1.4	1.7	2.0	1.9	1.4	1.8	2.0	1.7	1.5
Sulfate	Dissolved 9038	400	**410**	320	**410**	400	270	340	340	380	310	250
Chloride	Dissolved 9251	200	100	**280**	**230**	190	140	200	160	160	130	140
Nitrogen/Nitrate	Nitrogen By calc	10	ND	2.4	0.94	ND	1.9	3.2	ND	ND	4.1	6.2
Total Dissolved Solids	Dissolved 2540C	1,200	800	1,000	940	850	660	820	880	800	780	600
Fluoride	Dissolved 4500 FC	4	0.33	0.36	0.28	0.28	0.38	0.39	0.32	0.41	0.42	0.43^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	0.44	1.2	0.16	0.22	0.15	0.12	0.027	0.023	0.55	0.65
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	3.6	1.1	0.18	2.0	3.3	ND	ND	4.6	6.8
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND^
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

mg/L- milligrams per liter

NS - Not Sampled

^ - Instrument related QC exceeds the control limits

Table 4

GROUNDWATER ANALYTICAL RESULTS

Will County Station

Romeoville, Illinois

Midwest Generation

21253.028

PATRICK ENGINEERING	Sample Analysis Method	Groundwater Quality Standard (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)	MW-10 (mg/L)
Chemical Name		**Class I***	**12/13/10**	**3/28/11**	**6/15/11**	**9/15/11**	**12/8/11**	**3/16/12**	**6/20/12**	**9/24/12**	**12/18/12**	**3/6/13**
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.01[a]	0.0041	0.0046	ND	0.0088	0.0083	0.0056	0.0058	0.0098	0.0085	0.0072
Barium	Metals 6020	2.0	0.098	0.091	0.091	0.11	0.11	0.10	0.10	0.097	0.110	0.098
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	0.32	0.46	0.63	0.6	0.71	0.61	0.58	0.77	0.91	0.93
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	ND
Manganese	Metals 6020	0.15	**0.25**	**0.22**	**0.25**	**0.27**	**0.29**	**0.25**	**0.26**	**0.23**	**0.29**	**0.29**
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	0.0022	0.0023	0.0027
Selenium	Metals 6020	0.05	ND	ND	ND	0.0032	ND	ND	ND	ND	ND	0.0059
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	Metals 6020	0.049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	**2.1**	1.8	**2.2**	**2.8**	**2.5**	**2.1**	**2.1**	**3.2**	**2.7**	**2.7**
Sulfate	Dissolved 9038	400	370	370	350	**420**	290	330	350	380	270	350
Chloride	Dissolved 9251	200	92	130	150	120	120	100	120	140	140	130
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Dissolved Solids	Dissolved 2540C	1,200	990	960	990	1,000	1,100	990	1,000	970	1,100	1,000
Fluoride	Dissolved 4500 FC	4	0.66	0.64	0.65	0.67	0.59	0.52	0.58	0.72	0.59	0.57^
Nitrogen/Nitrite	Dissolved 4500 NO2	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perchlorate	EPA 314.0	0.0049	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND^
Benzene	8260B	0.005	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
BTEX	8260B	11.705	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

[a]Groundwater standard for arsenic changed from 0.05 mg/L to 0.01 mg/L as amended at 36 Ill.

Bold values show exceedences of 35 IAC Part 620

ND- non detect

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NS - Not Sampled

^ - Instrument related QC exceeds the control limits

EXHIBIT N:

Construction Permit to install Dry Sorbent Injection systems and ESP upgrades for Unit 6 at the Powerton Generating Station (Feb. 2011).

217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Powerton Generating Station
c/o: Midwest Generation, LLC
Attn: Scott B. Miller
235 Remington Boulevard, Suite A
Bolingbrook, Illinois 60440

Application No.: 10120021 I.D. No.: 179801AAA
Applicant's Designation: Date Received: December 14, 2010
Subject: Dry Sorbent Injection Systems and ESP Upgrades for Unit 6
Date Issued: February 16, 2011
Location: Powerton Generating Station, 13082 East Manito Road, Pekin

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of dry sorbent injection systems and electrostatic precipitator upgrades for Powerton Unit 6, as described in the above referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

Conditions for the Project (Unit 6 Upgrades)

1.1 Introduction

a. i. This permit authorizes construction of dry sorbent injection systems (the affected systems) on the boilers for Powerton Unit 6 (the affected boilers). These systems would be designed to inject Trona (a mineral form of sodium carbonate and sodium bicarbonate) into the duct work at a point prior to the electrostatic precipitators (ESP) of the affected boilers to control the sulfur dioxide (SO_2) emissions of the boilers.

Construction of dry sorbent injection systems for Powerton Unit 5 are addressed in a separate construction permit 10120020.

ii. This permit also authorizes alterations to the existing ESPs to accommodate the additional particulate matter (PM) loading to the ESPs from sorbent and improve the control efficiency of the ESPs that control particulate matter (PM) emissions from the affected boilers. The alterations will include installation of high frequency transformer rectifier sets on the ESPs.

Note: Midwest Generation indicates that it already has auxiliary ESPs in series with the existing ESPs. This would enable a higher sorbent injection rate without increases in particulate matter emissions.

iii. This permit also authorizes construction of a material handling facility to receive, store, and handle sorbent materials for the affected system, including rail and truck unloading equipment, bulk storage silos and associated fabric filters.

iv. This permit also authorizes alterations to the existing fly ash handling facility for Unit 6, including construction of a fly ash silo and associated fabric filters to handle the additional material generated by the sorbent

b. This permit does not authorize any modifications to existing Powerton Unit 6, which would increase its capacity or criteria pollutant emissions.

1.2 Non-Applicability Provisions

a. i. This permit is issued based on this project being an emission control project that will reduce emissions of SO_2 from Powerton Units 5 and 6, will not cause a significant increase in emissions of greenhouse gases (GHG), and will not cause emissions increases of any other NSR regulated pollutant. In particular, the construction of the affected systems and ESP enhancements are being undertaken to meet the requirement of the Combined Pollutants Standards (CPS), 35 IAC 225.296(b)(1).

ii. This permit is issued based on the new material handling facilities associated with the affected systems for Powerton Units 5 and 6, the increase in throughput of the existing fly ash handling facilities, and the increase in road traffic from handling sorbent and additional fly ash, as constrained by the limitations and requirements in this permit, not being a major modification for purposes of the federal PSD rules (40 CFR 52.21). This is because the increases in emissions of individual pollutants from these units are less than the significant emission rates set in these rules. (See Attachment 1.)

b. The Illinois EPA has determined that the changes to the affected boilers, as described in the application, will not constitute modifications of the boilers, under the federal New Source Performance Standards, 40 CFR 60, because the changes have the primary function of reducing emissions and therefore are not considered a modification pursuant to 40 CFR 60.14(e)(5).

1.3 Existing Applicable Requirements

This permit does not relax or revise applicable requirements for Powerton Unit 6 and associated control equipment, including requirements in existing permits for the source, including provisions

for continuous opacity monitoring systems, startup, malfunction and breakdown, recordkeeping, and reporting.

1.4 Future Applicable Emission Standards under the Combined Pollutant Standards (CPS)

a. Beginning calendar year 2013, the CPS group annual average SO_2 emission rate of the specified EGUs (i.e. Powerton Units 5 and 6 and the EGUs at the Fisk, Crawford, Joliet, Waukegan and Will County power plants) shall not exceed the applicable limit in 35 IAC 225.295(b).

1.5. Control Practices

a. The affected systems shall be designed to be able to handle and inject sorbent into the flue gas of the affected boilers at a rate that will achieve 90 percent removal of sulfur dioxide (SO_2) in the emissions of the boilers.

b. At all times, the Permittee shall maintain and operate the affected boilers with the affected systems and other air pollution control equipment in a manner consistent with good air pollution control practices.

1.6 Emission Testing Requirements

a. i. Within one year after initial startup of the affected boilers with the affected systems, the particulate matter emissions of Unit 6 shall be measured by an approved testing service.

ii. These tests shall be followed by two more tests for particulate matter, which shall be conducted no less than 5 months and no more than 15 months from the previous test.

b. These tests shall be conducted during conditions that are representative of highest injection rates for sorbent and activated carbon with which the boilers are currently being operated and at full load.

c. The following methods and procedures shall be used for testing of emissions, unless another method is approved by the Agency: Refer to 40 CFR 60, Appendix A and 40 CFR Part 51, Appendix M for USEPA test methods.

Location of Sample Points	USEPA Method 1
Gas Flow & Velocity	USEPA Method 2
PM (filterable)	USEPA Method 5
PM (condensable)	USEPA Method 202

d. The test plan shall be submitted to the Illinois EPA for review at least 60 days prior to the actual date of testing. This plan

shall describe the specific procedures for testing and shall, at a minimum, include the following information:

i. The person(s) who will be performing sampling and analysis and their experience with similar tests.

ii. The specific conditions, e.g., operating rate and control device operating conditions, under which testing shall be performed including a discussion of why these conditions will be representative and the means by which the operating parameters will be determined.

iii. The specific determinations of emissions that are intended to be made, including sampling or monitoring locations. As part of this plan, the Permittee may set forth a strategy for also performing emission testing in the normal load range of the boiler.

iv. The test method(s) that will be used, with the specific analysis method if the method can be used with different analysis methods.

e. Prior to carrying out these tests, the Illinois EPA's Regional Office and Source Emission Test Specialist shall be notified a minimum of 30 days prior to the expected date of these tests and further notified a minimum of 5 working days prior to the tests of the exact date, time and place of these tests, to enable the Agency to witness these tests.

f. Three copies of the Final Report(s) for these tests shall be submitted to the Illinois EPA within 14 days after the test results are compiled and finalized. The following information shall be submitted with the results:

i. The gross power generation and the steam generation rate, including the key operating data for Unit 6 during the test.

ii. Significant operating parameters of the affected systems and ESPs and the existing ACI systems, such as location and injection rate of each dry sorbent material during the period of testing, as measured during the tests.

iii. Significant operating parameters of the ESPs, such as the ESPs voltage and current flows, and spark rates during the period of testing, as measured during the tests.

iv. SO_2 emission data during the periods of testing based on emission monitoring, and the calculated SO_2 control efficiency on a daily basis.

v. Opacity data collected by the continuous opacity monitoring systems during each test run, on a minute-by-minute basis,

and if conditions are suitable for such observation, observations of opacity at the stack (two 6-minute averages) for each test run.

1.7 Monitoring and Instrumentation Requirements

a. The Permittee shall install, operate and maintain instrumentation on each affected system for sorbent injection rates, by volume or mass, which may either be measured directly or indirectly, e.g., by measuring feeder speed.

b. This permit does not authorize any relaxation to the monitoring systems or instrumentation that are already present on the ESPs.

1.8 Recordkeeping Requirements

a. The Permittee shall keep a file that contains documentation for the design of the affected systems confirming compliance with Condition 1.5(a).

b. The Permittee shall maintain the following records for the ESPs:

i. A maintenance and repair log for the ESPs, which shall list the activities performed, with date and description.

ii. An operating log, including:

A. The status of each ESP field shall be recorded at least once per shift.

B. The following numerical data shall be recorded at least once per day: (1) Primary voltages and current flows, (2) Secondary voltages and current flows, and (3) Sparking rates.

c. All records required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA request for records during the course of a source inspection.

1.9 Notifications

a. The Permittee shall notify the Illinois EPA in writing within 21 days of the initial startup of an affected system.

b. The Permittee shall notify the Illinois EPA in advance of using a sorbent other than Trona in the affected systems. This notification shall be submitted at least three months in advance

if possible or otherwise promptly after the Permittee learns that an alternative sorbent will need to be used. This notification shall identify the alternative sorbent and include an explanation of the reason for use of an alternate sorbent, the expected duration for use of the alternative sorbent (if temporary), and the expected changes in sorbent injection rates.

1.10 Reporting Requirements

a. If there is a deviation from the requirements of this permit, the Permittee shall promptly submit a report of the deviation to the Illinois EPA. Unless otherwise specified, this report shall be submitted within 30 days of the deviation. The report shall describe the deviation, the probable cause of the deviation, corrective actions that were taken and any actions to prevent future occurrences.

1.11 Report/Notifications Submittals

Two copies of all notifications and reports required by the Permit shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

Telephone: 217/782-5811 Fax: 217/782-6348

and one copy of all required notifications and reports shall be sent to the Illinois EPA's regional office at the following address, unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Regional Field Office
5415 North University,
Peoria, Illinois 61614

Telephone: 309/693-5463 Fax: 309/693-5467

1.12 Authorization for Operation

a. The affected boilers with affected systems may be operated for one year under this construction permit, during which period initial emissions testing shall be completed and the Permittee shall apply for a revised CAAPP permit addressing the changes to the control system for the affected boilers, which application shall include a compliance assurance monitoring (CAM) plan for the affected boiler for emissions of particulate matter.

b. Following completion of required emission testing, the Permittee may operate the affected boilers with the affected systems under this permit until the operation of this control equipment is addressed by a CAAPP permit.

c. These conditions supersede Standard Condition 6.

Unit-Specific Conditions for the Material Handling Facilities

2.1 Introduction

The affected facilities for the purpose of these Unit-Specific Conditions are a new facility for handling sorbent for the affected systems and the modified facility for handling fly ash from Unit 6, which would handle additional material and have an additional silo.

2.2 Applicable Federal Emission Standards

a. The mills, storage silos and conveying system at the affected sorbent handling facility are subject to the NSPS for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subpart OOO and related provisions of 40 CFR 60, Subpart A.

b. Pursuant to the NSPS, 40 CFR 60.672(b) and (d), fugitive emissions of PM from subject units shall not exceed 7 percent.

c. Pursuant to the NSPS, 40 CFR 60.672(f), stack emissions of PM, as defined by 40 CFR 60.671, from the subject units shall not exceed 7 percent.

d. At all times, the Permittee shall maintain and operate subject units, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions, pursuant to 40 CFR 60.11(d).

Note: These conditions would not apply if mills or grinding equipment are not present at the affected facility. See Condition 2.4(a).

2.3 Applicable State Emission Standards

a. The affected facilities are subject to 35 IAC 212.301, which provides that no person shall cause or allow the emission of fugitive particulate matter from any emission unit, that is visible by an observer looking generally toward the zenith (i.e..looking at the sky directly overhead) from a point beyond the property line of the source pursuant to 35 IAC 212.301.

b. The emission units at the affected facilities are subject to 35 IAC 212.123 (a) which provides that no person shall cause or allow the emission of smoke or other particulate matter, with an

opacity greater than 30 percent into the atmosphere from the affected facility, pursuant to 35 IAC 212.123(a).

c. The emission units at the affected facilities are subject to 35 IAC 212.321(a), which provides that no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other new similar process emission units at a source or premises, exceeds the allowable emission rates specified in 35 IAC 212.321(c).

2.4 Non-Applicability Provisions

a. If the affected sorbent handling facility does not include mills or grinding equipment, which would reduce the size of sorbent, this permit is issued based on this facility not being subject to the federal NSPS, 40 CFR 60 Subpart OOO, because it would not crush or grind a non-metallic mineral so that it would not constitute a nonmetallic mineral processing plant, as defined by 40 CFR 60.671. Accordingly, the requirements of Conditions 2.2, 2.7(a) and 2.9(a) would not be applicable.

2.5 Operational and Emission Limitations

a. The amount of dry sorbent received by the affected sorbent handling facility shall not exceed 219,000 tons per year for the Unit 6 affected boilers. Compliance with this limit and other annual limits set by this permit shall be determined from the sum of the data for the current month plus the preceding 11 months (running 12 months total).

b. i. A. There shall be no visible emissions of fugitive particulate matter from the affected sorbent handling facility.

B. The filters for the affected sorbent handling facility shall have a design outlet loading for particulate matter of no more than 0.01 grains/scf, as shown by the manufacturer’s performance specifications for the device or representative emission test data for similar filter devices.

ii. A. Emissions of PM, PM_{10} and $PM_{2.5}$ from the affected sorbent handling facility, each shall not exceed the following limits:

Operation	Limit	
	Lb/Hr	Ton/Yr
Storage Silos w/filter	0.86	1.38

B. This permit is issued based upon minimal emissions of PM due to vehicle traffic on plant roadways associated with transport of sorbent. For this purpose, PM, PM_{10} and $PM_{2.5}$ emissions shall not exceed 1.0, 0.20 and 0.05 tons per year, respectively.

c. The transport of dry sorbent and fly ash from the affected boilers shall be on paved roads, which shall be maintained in good condition to control emissions of particulate matter.

d. i. Emissions of PM, PM_{10} and $PM_{2.5}$ increase from the affected fly ash handling facility shall each not exceed the following limits:

Limit	
Lb/Hr	Ton/Yr
0.51	2.25

ii. This permit is issued based upon a minimal increase in emissions of PM due to the increase in vehicle traffic on plant roads for transport of fly ash. For this purpose, the increase in PM, PM_{10} and $PM_{2.5}$ emissions shall not exceed 0.80, 0.16 and 0.04 tons per year, respectively.

a. At all times, the Permittee shall maintain and operate the emission units at affected facilities including associated air pollution control measures, in a manner consistent with good air pollution control practices for minimizing emissions.

2.6 Inspection and Maintenance Requirements

a. Inspections of each affected facility including emission control measures shall be conducted at least once per month when the facility is in operation to confirm compliance with the requirements of this permit.

b. Maintenance and repair of filters and other control measures shall be performed to assure that such measures function properly when material is being handled.

c. The Permittee shall maintain records of the above inspections and maintenance/repair activity in an operating and maintenance log. This log shall contain, at a minimum, the time and description of the inspections or maintenance/repair activities.

2.7 Opacity Measurements

a. For the affected sorbent handling facility, the Permittee shall comply with applicable requirements of the NSPS related to observation of opacity.

b. Upon written request by the Illinois EPA, the Permittee shall conduct opacity observations for specific operation(s) or unit(s) at the affected facilities within 45 calendar days of the request or on the date agreed upon by the Illinois EPA, whichever is later.

2.8 Recordkeeping Requirements

a. The Permittee shall maintain a file containing documentation for the emission guarantee for each filter in the affected facilities in grains/dscf, as provided by the supplier of the device.

b. The Permittee shall maintain operating records for the following items for the affected sorbent handling facility:

i. Amount of sorbent received, tons/month and tons/year.

ii. Amount of sorbent transferred to the affected system, tons/month and tons/year.

c. The Permittee shall keep records for the implementation of fugitive dust control measures on roadways used by trucks that handle sorbent and fly ash.

d. The Permittee shall keep the following records related to particulate matter emissions (tons/month and tons/year), with supporting calculations. For this purpose, roadway emissions shall be calculated using USEPA methods.

i. Records of emissions of PM, PM_{10} and $PM_{2.5}$ from each affected facility.

ii. Records of emissions of PM, PM_{10} and $PM_{2.5\ 10}$rom roadways/truck traffic associated with each affected facility.

iii. Records of PM, PM_{10} and $PM_{2.5}$ emissions from roadways/truck traffic associated with handling of fly ash from the affected boilers.

2.9 Reporting Requirements

a. If the affected sorbent handling facility includes mills, the Permittee shall comply with applicable reporting requirements of the NSPS. (See condition 2.4(a).)

Note: Reporting of deviations by the affected facilities is addressed by Condition 1.10(a).

2.10 The affected facilities may be operated pursuant to this construction permit until an operating permit becomes effective that addresses these facilities. This condition supersedes Standard Condition 6.

If you have any questions on this permit, please contact Shashi Shah at 217/782-2113.

Edwin C. Bakowski, P.E. Date Signed: _____
Manager, Permit Section
Division of Air Pollution Control

ECB:SRS:psj

cc: FOS - Region 2, Illinois EPA
Permit File – 95090074

Attachment 1

Combined emissions for both Units 5 and 6

Unit	Operation	Limit		
		PM	PM_{10}	$PM_{2.5}$
		Ton/Yr	Ton/Yr	Ton/Yr
Unit 5	Sorbent handling facility	1.38	1.38	1.38
	Fly ash facility (increase)	2.25	2.25	2.25
	Sorbent truck traffic	1.0	0.20	0.05
	Additional fly ash truck traffic	0.8	0.16	0.04
	Subtotal	5.43	3.99	3.72
Unit 6	Sorbent handling facility	1.38	1.38	1.38
	Fly ash facility (increase)	2.25	2.25	2.25
	Sorbent truck traffic	1.0	0.20	0.05
	Additional fly ash truck traffic	0.8	0.16	0.04
	Subtotal	5.43	3.99	3.72
	Total	10.86	7.98	7.44

EXHIBIT O:

Excerpts from Respondent Midwest Generation's 2011 annual Form 10-K1 filed with the SEC containing statements on the planned use of dry sorbent injection ("DSI") technology at various Midwest Generation plants.[1]

[1] Midwest Generation, LLC, Form 10-K, Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 for the fiscal year ended December 31, 2011, Commission File Number 333-59348, 10, 15, 19-20, 24, 65-66, *available at* www.sec.gov/Archives/edgar/data/1134016/000113401612000006/midwestgeneration201110k.htm (emphasis added).

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934
For the fiscal year ended December 31, 2011
Commission File Number 333-59348

Midwest Generation, LLC

(Exact name of registrant as specified in its charter)

Delaware	**33-0868558**
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)
235 Remington Boulevard, Suite A **Bolingbrook, Illinois**	**60440**
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code: **(630) 771-7800**
Securities registered pursuant to Section 12(b) of the Act:

None	**Not Applicable**
(Title of Class)	(Name of each exchange on which registered)

Securities registered pursuant to Section 12(g) of the Act:

None
(Title of Class)

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. YES ☐ NO ☒

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. YES ☐ NO ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. YES ☒ NO ☐

Indicate by check mark if disclosure of delinquent filers pursoant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K ☒.

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). YES ☐ NO ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See the definitions of "accelerated filer," "large accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer ☐ Accelerated filer ☐ Non-accelerated filer ☒ Smaller reporting company ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). YES ☐ NO ☒

Aggregate market value of the registrant's Membership Interests held by non-affiliates of the registrant as of June 30, 2011: $0. Number of units outstanding of the registrant's Membership Interests as of February 29, 2012: 100 units (all units held by an affiliate of the registrant).

The registrant meets the conditions set forth in General Instruction I.(1)(a) and (b) of Form 10-K and is therefore filing this Form 10-K under the reduced disclosure format.

DOCUMENTS INCORPORATED BY REFERENCE

None

during the third quarter of 2012. The court directed the US EPA to continue administering the CAIR until its review is completed.

CSAPR, like the CAIR, is an allowance-based regulation that provides for emissions trading. If the stay is lifted and CSAPR becomes effective, the amount of actual SO_2 or NO_x emissions from plant operations will need to be matched by a sufficient amount of SO_2 or NO_x allowances that are either allocated or purchased in the open market. In connection with CSAPR, the US EPA has, for each phase, established SO_2 and NO_x allowance allocations for each state and each generating unit subject to the regulation, and at the close of the annual or seasonal compliance period, units will need to surrender allowances for each ton of SO_2 and NO_x emitted or face penalties.

Revised NAAQS for SO_2

In June 2010, the US EPA finalized the primary NAAQS for SO_2 by establishing a new one-hour standard at a level of 75 parts per billion. In June 2011, Illinois submitted their initial recommended attainment/nonattainment designations in connection with the standard. Illinois recommended designating parts of Tazewell County (where the Powerton plant is located) and Will and Cook Counties as nonattainment with this standard. The recommended designation for parts of Will and Cook Counties included the area where the Will County plant is located, but not the areas where Midwest Generation's other plants in those counties are located.

Illinois

On December 11, 2006, Midwest Generation entered into an agreement with the Illinois EPA to reduce mercury, NO_x and SO_2 emissions at the Midwest Generation plants. The agreement has been embodied in the CPS. All of Midwest Generation's Illinois coal-fired electric generating units are subject to the CPS. The CPS also specifies the control technologies that are to be installed on some units by specified dates. Midwest Generation must either install the required technology by the specified deadline or shut down the unit. The principal emission standards and control technology requirements for NO_x and SO_2 under the CPS are as described below:

NO_x Emissions—Beginning in calendar year 2012 and continuing in each calendar year thereafter, Midwest Generation must comply with an annual and seasonal NOx emission rate of no more than 0.11 lbs/million Btu. Midwest Generation substantially completed installation of SNCR equipment in 2011 for compliance with the emission limitations. Capital expenditures relating to these controls were $105 million.

SO_2 Emissions—Midwest Generation must comply with an overall SO_2 annual emission rate beginning with 0.44 lbs/million Btu in 2013 and decreasing annually until it reaches 0.11 lbs/million Btu in 2019 and thereafter.

Testing of dry scrubbing using Trona on select Midwest Generation units has demonstrated significant reductions in SO_2 emissions. Use of dry sorbent injection technology in conjunction with low sulfur coal is expected to require substantially less capital and time to construct than the use of spray dryer absorber technology, but would likely result in higher ongoing operating costs and may consequently result in lower dispatch rates and competitiveness of Midwest Generation's plants, depending on competitors' costs. For additional discussion, see "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations—Management's Overview—Environmental Compliance Plans and Costs."

Mercury/Hazardous Air Pollutants

Mercury and Air Toxics Standards Rule

In December 2011, the US EPA announced the Mercury and Air Toxics Standards (MATS) rule, limiting emissions of hazardous air pollutants (HAPs) from coal- and oil-fired electrical generating units. The rule was published in the Federal Register on February 16, 2012, and becomes effective on April 16, 2012. Midwest Generation does not expect that these standards will require Midwest Generation to make material changes to the approach to compliance with state and federal environmental regulations that it contemplates for CPS compliance.

Illinois

The CPS requires that, beginning in calendar year 2015, and continuing thereafter on a rolling 12-month basis, Midwest Generation must either achieve an emission standard of 0.008 lbs mercury/GWh gross electrical output or a minimum 90% reduction in mercury for each unit (except Unit 3 at the Will County Station, which will be included in calendar year 2016). Midwest Generation will be required to install cold side electrostatic precipitator or baghouse equipment on Unit 7 at the Waukegan Station by December 31, 2013, and on Unit 3 at the Will County Station by December 31, 2015.

Ozone

of sales into PJM from the Midwest Generation plants. Midwest Generation has concentrated exposure to market conditions and fluctuations in PJM. Prices for power and capacity have declined significantly due largely to lower natural gas prices and have been affected in recent years by increased use of demand response technology, changes in final demand for power during the economic slowdown, and technological developments that have increased access to natural gas shale reserves, resulting in substantial declines in market prices for natural gas which supplies power plants that compete with the Midwest Generation plants.

Market prices of energy, capacity and ancillary services sold from these power plants are influenced by multiple factors beyond Midwest Generation's control, and thus there is considerable uncertainty whether or when current depressed prices will recover. Midwest Generation's hedging activities may not cover the entire exposure of its assets or positions to market price volatility, and the level of coverage will vary over time. The effectiveness of Midwest Generation's hedging activities may depend on the amount of credit available to post collateral, either in support of performance guarantees or as cash margin, and liquidity requirements may be greater than Midwest Generation anticipates or will be able to meet. Midwest Generation cannot provide assurance that its hedging strategies will successfully mitigate market risks. For more detail with respect to these matters, see "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations—Market Risk Exposures—Commodity Price Risk."

Midwest Generation's financial results can be affected by changes in prices, transportation cost, and supply interruptions related to fuel, sorbents, and other commodities used for power generation and emission controls.

In addition to volatile power prices, Midwest Generation's business is subject to changes in the cost of fuel, sorbents, and other commodities used for power generation and emission controls, and in the cost of transportation. These costs can be volatile and are influenced by many factors outside Midwest Generation's control. Operations at Midwest Generation's coal plants are dependent upon the availability and affordability of coal which is available only from a limited number of suppliers and which is transported by rail under a multi-year long-term transportation contract. All of these factors may have an adverse effect on Midwest Generation's financial condition and results of operations. For additional information, see "Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations—Market Risk Exposures—Coal and Transportation Price Risk."

Competition could adversely affect Midwest Generation's business.

Midwest Generation has numerous competitors in all aspects of its business, some of whom may have greater liquidity, greater access to credit and other financial resources, lower cost structures, greater ability to withstand losses, larger staffs or more experience than Midwest Generation. Multiple participants in the wholesale markets, including many regulated utilities, have a lower cost of capital than most merchant generators and often are able to recover fixed costs through rate base mechanisms, allowing them to build, buy and upgrade generation assets without relying exclusively on market clearing prices to recover their investments. These factors could affect Midwest Generation's ability to compete effectively in the markets in which those entities operate. Newer plants owned by Midwest Generation's competitors are often more efficient than Midwest Generation's facilities and may also have lower costs of operation. Over time, the Midwest Generation plants may become obsolete in their markets, or be unable to compete with such plants.

Operating Risks

Midwest Generation's capital projects may not be successful.

Midwest Generation's capital projects are subject to risks including, without limitation, risks related to financing, construction, permitting and governmental approvals. Midwest Generation may be required to spend significant amounts before it can determine whether a particular approach is feasible or economically attractive. The timing of such projects may be delayed beyond the date that equipment is ready for installation, in which case Midwest Generation may be required to incur material equipment and/or material costs with no deployment plan at delivery.

The Midwest Generation plants may be affected by general operating risks and hazards customary in the power generation industry. Midwest Generation may not have adequate insurance to cover all these hazards.

The operation of power generation facilities is a potentially dangerous activity that involves many operating risks, including transmission disruptions and constraints, equipment failures or shortages, and system limitations, degradation and interruption. Midwest Generation's operations are also subject to risks of human performance and workforce capabilities. There can be no assurance that Midwest Generation's insurance will be sufficient or effective under all circumstances or protect against all hazards to which Midwest Generation may be subject. Midwest Generation has a number of older facilities that are subject to higher risks of failure or outage.

ITEM 1B. UNRESOLVED STAFF COMMENTS

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

MANAGEMENT'S OVERVIEW

Midwest Generation's competitive power generation business consists of the generation and sale into the PJM market of energy and capacity from its 5,172 MW of coal-fired generating plants and 305 MW of oil-fired peaking plants. Midwest Generation's operating results were significantly lower in 2011 compared to 2010 due to lower realized energy and capacity prices and generation. Power prices fell in the fourth quarter of 2011 and have continued to fall in 2012, driven by an abundance of low-priced natural gas, weather conditions and a slow economic recovery. Moreover, the abundance of low-priced natural gas has resulted in increased competition from natural gas-fired generating units in the markets in which Midwest Generation operates, and generation from Midwest Generation's plants has been correspondingly affected. Also at the end of 2011, a favorable long-term rail contract that supplied Midwest Generation's fleet expired and was replaced by a higher priced contract. Midwest Generation expects that its average fuel cost ($/MWh) will increase by approximately one-third in 2012. Finally, as discussed below, Midwest Generation recorded significant impairment charges during the fourth quarter of 2011.

At December 31, 2011, Midwest Generation had cash and cash equivalents of $213 million and $497 million of available borrowing capacity under its $500 million credit facility maturing in June 2012. There can be no assurance that Midwest Generation will be eligible to draw on its credit facility prior to maturity. Any replacement of this credit line will likely be on less favorable terms and conditions, and there is no assurance that Midwest Generation will, or will be able to, replace this credit line or any portion of it.

Unless energy and capacity prices increase, Midwest Generation expects that it will incur an operating cash flow deficit and operating losses in 2012 and subsequent years. A continuation of these adverse trends coupled with the need to retrofit its plants to comply with governmental regulations will strain Midwest Generation's liquidity. In order to retrofit its coal-fired plants, Midwest Generation will need to borrow additional funds or receive additional contributions from EME. Midwest Generation plans to fund operating cash flow deficits through a combination of cash on hand, management of fuel inventories, deferral of operations and maintenance expenses and acceleration of the timing of collections from affiliates, which management believes will provide sufficient liquidity in 2012. Midwest Generation's current business plans are focused on liquidity and operating effectively through the current commodity price cycle and on environmental compliance as described below. There is no assurance that sufficient liquidity will exist beyond 2012 without additional equity contributions from EME.

Highlights of Operating Results

Midwest Generation had a net loss of $270 million in 2011 as compared to net income of $215 million in 2010. Excluding the impairment charges recorded in 2011 and 2010, as described below, the 2011 decrease in earnings was primarily due to lower average realized energy and capacity prices and lower generation.

During the fourth quarter of 2011, Midwest Generation recorded a $386 million after-tax ($640 million pre-tax) charge resulting from the impairment of the long-lived assets of Midwest Generation's Fisk, Crawford and Waukegan Stations. For further discussion, see "Critical Accounting Estimates and Policies—Impairment of Long-Lived Assets" and "Item 8. Midwest Generation, LLC and Subsidiaries Notes to Consolidated Financial Statements—Note 12. Asset Impairments and Other Charges."

Midwest Generation's 2010 net income decreased $44 million as compared to 2009. In 2010, Midwest Generation recorded a $24 million after-tax ($40 million pre-tax) charge related to the write-off of capitalized engineering and other costs related to a change in air emissions control technology selection at the Powerton Station. In addition, 2010 results were lower than 2009 due to unrealized losses in 2010 compared to unrealized gains in 2009, and higher plant maintenance costs in 2010, partially offset by higher capacity revenues, a $24 million gain from the sale of bankruptcy claims against Lehman and lower average realized fuel costs. Energy and fuel related unrealized losses in 2010 were $13 million compared to unrealized gains of $45 million in 2009. Results in 2010 included the benefit of power hedge contracts entered into during earlier periods at higher prices than current energy prices.

Environmental Compliance Plans and Costs

During 2011, Midwest Generation continued to advance necessary activities for NO_x and SO_2 controls to meet the requirements of the CPS. Midwest Generation does not anticipate a material change to its current approach in order to comply with the MATS rule. Midwest Generation expects to continue to develop and implement a compliance program that includes the operations of ACI systems, upgrades to particulate removal systems and the use of dry sorbent injection, combined with its use of low sulfur PRB coal, to meet emissions limits for criteria pollutants, such as NO_x and SO_2 as well as for HAPs, such as mercury, acid gas and non-mercury metals.

A significant decline in power prices from September 30, 2011, combined with new environmental regulations and public policy pressure on coal generation have resulted in continuing uncertainties for merchant coal-fired power plants. Decisions regarding whether or not to proceed with retrofitting any particular remaining units to comply with CPS requirements for SO_2 emissions, including those that have received permits, are subject to a number of factors, such as market conditions, regulatory and legislative developments, liquidity and forecasted commodity prices and capital and operating costs applicable at the time decisions are required or made. Midwest Generation may also elect to shut down units, instead of installing controls, to be in compliance with the CPS. Decisions about any particular combination of retrofits and shutdowns Midwest Generation may ultimately employ also remain subject to conditions applicable at the time decisions are required or made. Final decisions on whether to install controls, to install particular kinds of controls, and to actually expend capital or continue with the expenditure of capital will be made as required, subject to the requirements of the CPS and other applicable regulations. In February 2012, Midwest Generation decided to shut down the Fisk Station by the end of 2012 and the Crawford Station by the end of 2014 and concluded it was less likely to retrofit the Waukegan Station rather than the larger Powerton, Joliet and Will County Stations. As a result, Midwest Generation recorded an impairment charge of $640 million at December 31, 2011 related to the Crawford, Fisk and Waukegan Stations. For further discussion, see "Critical Accounting Estimates and Policies—Impairment of Long-Lived Assets" and "Item 8. Midwest Generation, LLC and Subsidiaries Notes to Consolidated Financial Statements—Note 12. Asset Impairments and Other Charges." Units that are not retrofitted may continue to operate until required to shut down by applicable regulations or operate with reduced output.

In connection with its decision to close the Fisk and Crawford Stations, Midwest Generation entered into a Memorandum of Understanding with the City of Chicago, acting through the Commissioner of Health, which acknowledges that the cessation of coal-fired electric generation at the Fisk and Crawford Stations will achieve the objectives of the proposed Chicago Clean Power Ordinance without a need to pass the proposed Clean Power Ordinance or similar ordinances (recognizing that such agreement cannot bind the Chicago City Council or its members). Midwest Generation and the City of Chicago have also agreed to collaborate with key stakeholders to consider potential future uses, ownership and sources of external funding to transition the sites for such uses. The closure of the Fisk and Crawford Stations will be subject to review for reliability by PJM Interconnection LLC, the regional transmission organization that controls the area where these plants are located. In total, Midwest Generation estimates 150 to 180 employees will be affected. The timing and amount of severance benefits, if any, will be determined after completion of review of personnel based on seniority and other factors and, in the case of the Crawford Station, the amount may be affected by the timing of the plant closure. Other obligations related to the Fisk and Crawford Stations could be affected by the plant closing, including sales of capacity, for which Midwest Generation is unable to reasonably estimate the impact, or range of impacts, that could be incurred. Midwest Generation does not expect to incur future capital expenditures to close these plants.

Based on work to date, Midwest Generation estimates the cost of retrofitting the large stations (Powerton, Joliet Units 7 and 8 and Will County) using dry scrubbing with sodium-based sorbents to comply with CPS requirements for SO_2 emissions, and the associated upgrading of existing particulate removal systems, would be up to approximately $628 million. In order to retrofit its coal-fired plants, Midwest Generation will need to borrow funds or receive additional contributions from EME. The cost of retrofitting Joliet Unit 6 is not included in the large unit amounts as it is less likely that Midwest Generation will make retrofits for this unit. The estimated cost of retrofitting Joliet Unit 6, if made, would be approximately $75 million, while the estimated cost of retrofitting the Waukegan Station, if made, would be approximately $160 million. For further discussion related to Midwest Generation's impairment policy on the unit of account, see "Critical Accounting Estimates and Policies—Impairment of Long-Lived Assets."

In February 2012, Midwest Generation received an extension of its permit to install a dry sorbent injection system at the Powerton Station.

Environmental Regulation Developments

For additional discussion of environmental regulation developments, see "Item 1. Business—Environmental Matters and Regulations" and "Item 8. Midwest Generation, LLC and Subsidiaries Notes to Consolidated Financial Statements—Note 9. Environmental Developments."

RESULTS OF OPERATIONS

Summary

The table below summarizes total revenues as well as key performance measures related to coal-fired generation, which represents the majority of Midwest Generation's operations.

LIQUIDITY AND CAPITAL RESOURCES

Available Liquidity

At December 31, 2011, Midwest Generation had cash and cash equivalents of $213 million and a total of $497 million of available borrowing capacity under its $500 million working capital facility. Midwest Generation's liquidity is also composed of cash flow generated from operations and payments by EME under the intercompany notes issued in connection with the Powerton-Joliet facilities sale-leaseback.

Midwest Generation's working capital facility matures in June 2012. For further discussion, see "Management's Overview" and "Item 1A. Risk Factors—Liquidity Risks." The following table summarizes the status of Midwest Generation's working capital facility at December 31, 2011:

(in millions)		
Commitment	$	500
Outstanding borrowings		—
Outstanding letters of credit		3
Amount available	$	497

Capital Investment Plan

Forecasted capital expenditures through 2014 by Midwest Generation are as follows:

(in millions)	2012	2013	2014
Environmental[1]	$ 35	$ 102	$ 311
Plant capital	21	46	16
Total	$ 56	$ 148	$ 327

[1] For additional information, see "Management's Overview—Environmental Compliance Plans and Costs."

Midwest Generation plants' projected environmental expenditures would retrofit Powerton Units 5 and 6, Joliet Units 7 and 8 and Will County Units 3 and 4, using dry scrubbing with sodium-based sorbents and upgrading particulate removal systems to comply with CPS requirements for SO_2 emissions and the US EPA's regulation on HAP emissions. Decisions regarding whether or not to proceed with retrofitting any particular remaining units to comply with CPS requirements for SO_2 emissions, including those that have received permits, remain subject to a number of factors, such as market conditions, regulatory and legislative developments, and forecasted commodity prices and capital and operating costs applicable at the time decisions are required or made. Final decisions on whether to install controls, to install particular kinds of controls, and to actually expend capital or continue with the expenditure of capital will be made as required, subject to the requirements of the CPS and other applicable regulations. Furthermore, the timing of commencing capital projects may vary from the amounts set forth in the above table. For additional discussion, see "Management's Overview —Environmental Compliance Plans and Costs."

Plant capital expenditures for Midwest Generation includes capital projects for boiler and turbine controls, major boiler components and electrical systems.

Consolidated Cash Flow

At December 31, 2011, Midwest Generation had cash and cash equivalents of $213 million, compared to $295 million at December 31, 2010. Net cash provided by operating activities totaled $364 million, $401 million and $460 million in 2011, 2010 and 2009, respectively. The 2011 decrease in net cash provided by operating activities was primarily attributable to lower revenues due to lower average realized energy prices and the timing of cash receipts and disbursements related to working capital items, partially offset by higher payments for settlements of derivative contracts in 2010. The 2010 decrease was primarily attributable to lower net income.

Net cash used in financing activities totaled $334 million, $245 million and $801 million in 2011, 2010 and 2009, respectively. The 2011 increase in net cash used in financing activities was primarily due to $100 million of higher distributions by Midwest Generation to its parent in 2011 as compared to 2010. The 2010 decrease from 2009 was due to lower repayments on Midwest Generation's working capital facility of $475 million in 2010 and $75 million less distributions by Midwest Generation to its

Standards of the Clean Air Act (CAA), including alleged requirements to obtain a construction permit and to install controls sufficient to meet best available control technology (BACT) emission rates. The US EPA also alleged that Midwest Generation and Commonwealth Edison violated certain operating permit requirements under Title V of the CAA. Finally, the US EPA alleged violations of certain opacity and particulate matter standards at the Midwest Generation plants. In addition to seeking penalties ranging from $25,000 to $37,500 per violation, per day, the complaint called for an injunction ordering Midwest Generation to install controls sufficient to meet BACT emission rates at all units subject to the complaint and other remedies. The remedies sought by the plaintiffs in the lawsuit could go well beyond the requirements of the Combined Pollutant Standard (CPS). Several Chicago-based environmental action groups intervened in the case.

Nine of ten PSD claims have been dismissed, along with claims related to alleged violations of Title V of the CAA to the extent based on the dismissed PSD claims. The court has also dismissed all claims asserted against Commonwealth Edison and EME. The court denied a motion to dismiss a claim by the Chicago-based environmental action groups for civil penalties in the remaining PSD claim, but noted that the plaintiffs will be required to convince the court that the statute of limitations should be equitably tolled. The court did not address other counts in the complaint that allege violations of opacity and particulate matter limitations under the Illinois State Implementation Plan and Title V of the CAA. The dismissals have been certified as "partial final judgments" capable of appeal, and an appeal is pending before the Seventh Circuit Court of Appeals. The remaining claims are stayed pending the appeal.

In January 2012, two complaints were filed against Midwest Generation in Illinois state court by residents living near the Crawford and Fisk Stations on behalf of themselves and all others similarly situated, each asserting claims of nuisance, negligence, trespass, and strict liability. The plaintiffs seek to have their suits certified as a class action and request injunctive relief, as well as compensatory and punitive damages. The complaints are similar to two complaints previously filed in the Northern District of Illinois, which were dismissed in October 2011 for lack of federal jurisdiction.

Adverse decisions in these cases could involve penalties, remedial actions and damages that could have a material impact on the financial condition and results of operations of Midwest Generation. Midwest Generation cannot predict the outcome of these matters or estimate the impact on the Midwest Generation plants, or its results of operations, financial position or cash flows. Midwest Generation has not recorded a liability for this matter.

Environmental Remediation

With respect to potential liabilities arising under the Comprehensive Environmental Response, Compensation and Liability Act of 1980, commonly referred to as CERCLA, or similar laws for the investigation and remediation of contaminated property, Midwest Generation accrues a liability to the extent the costs are probable and can be reasonably estimated. Midwest Generation had accrued a probable amount of approximately $9 million at December 31, 2011 for estimated environmental investigation and remediation costs for four stations at the Midwest Generation plants. This estimate is based upon the number of sites, the scope of work and the estimated costs for investigation and/or remediation where such expenditures could be reasonably estimated. Midwest Generation also has identified stations for which a reasonable estimate cannot be made. Future estimated costs may vary based on changes in regulations or requirements of federal, state or local governmental agencies, changes in technology, and actual costs of disposal. In addition, future remediation costs will be affected by the nature and extent of contamination discovered at the sites that require remediation. Given the prior history of the operations at its facilities, Midwest Generation cannot be certain that the existence or extent of all contamination at its sites has been fully identified.

Insurance

At December 31, 2011 and 2010, Midwest Generation had a $3 million and $10 million receivable, respectively, recorded primarily related to insurance claims from unplanned outages. During 2011 and 2009, $2 million each year related to business interruption insuranec coverage was recorded and has been reflected in interest and other income on Midwest Generation's consolidated statements of operations. Midwest Generation received $11 million and $15 million in cash payments related to insurance claims during 2011 and 2010, respectively.

Note 9. Environmental Developments

Environmental Compliance Plans and Costs

During 2011, Midwest Generation continued to advance necessary activities for nitrogen oxide (NO_x) and sulfur oxide (SO_2) controls to meet the requirements of the CPS. Midwest Generation has substantially completed the installation of SNCR technology on multiple units to meet the NO_x portion of the CPS and has received all necessary permits from the Illinois EPA for the installation of a dry sorbent injection system using Trona or its equivalent at the Waukegan generating station's Unit 7 and Units 5 and 6 at the Powerton Station. In February 2012, Midwest Generation received an extension of its permit to install a dry sorbent injection system at the Powerton Station.

Decisions regarding whether or not to proceed with retrofitting any particular remaining units to comply with CPS requirements for SO_2 emissions, including those that have received permits, are subject to a number of factors, such as market conditions, regulatory and legislative developments, liquidity and forecasted commodity prices and capital and operating costs applicable at the time decisions are required or made. Midwest Generation may also elect to shut down units, instead of installing controls, to be in compliance with the CPS. Decisions about any particular combination of retrofits and shutdowns Midwest Generation may ultimately employ also remain subject to conditions applicable at the time decisions are required or made. Final decisions on whether to install controls, to install particular kinds of controls, and to actually expend capital or continue with the expenditure of capital will be made as required, subject to the requirements of the CPS and other applicable regulations. In February 2012, Midwest Generation decided to shut down the Fisk Station by the end of 2012 and the Crawford Station by the end of 2014 and concluded it was less likely to retrofit the Waukegan Station rather than the larger Powerton, Joliet and Will County Stations. As a result, Midwest Generation recorded an impairment charge of $640 million at December 31, 2011 related to the Crawford, Fisk and Waukegan Stations. For further discussion see Note 12—Asset Impairments and Other Charges. Units that are not retrofitted may continue to operate until required to shut down by applicable regulations or operate with reduced output.

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Greenhouse Gas Regulation

There have been a number of federal and state legislative and regulatory initiatives to reduce greenhouse gas (GHG) emissions. Any climate change regulation or other legal obligation that would require substantial reductions in GHG emissions or that would impose additional costs or charges for the GHG emissions could significantly increase the cost of generating electricity from fossil fuels, and especially from coal-fired plants, which could adversely affect Midwest Generation's business.

Significant developments include the following:

- In June 2010, the US EPA issued the Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas Tailoring Rule, known as the "GHG tailoring rule." This regulation generally subjects newly constructed sources of GHG emissions and newly modified existing major sources to the PSD air permitting program (and later, to the Title V permitting program), beginning in January 2011. The current program, which applies to only new or newly modified sources, is not expected to have an immediate effect on Midwest Generation's existing generating plants. However, regulation of GHG emissions pursuant to this program could affect efforts to modify Midwest Generation's facilities in the future, and could subject new capital projects to additional permitting and emissions control requirements that could delay such projects. A challenge to the GHG tailoring rule (along with other GHG regulations and determinations issued by the US EPA) is pending before the U.S. Court of Appeals for the D.C. Circuit.

- Under a pending court settlement, the US EPA was to propose performance standards for GHG emissions from new and modified power plants. The specific requirements will not be known until the regulations are finalized.