



August 1, 2011

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

Subject: Quarterly Groundwater Monitoring Results – Second Quarter 2011
Joliet #29 Generating Station- Ash Impoundment

Reference: Patrick Project No. 21153.034

To Whom It May Concern:

Patrick Engineering Inc. (Patrick) has prepared this letter report, on behalf of Midwest Generation, LLC, to provide groundwater monitoring results associated with the on-site ash ponds at the Joliet #29 Generating Station located at 1800 Channahon Rd. in Joliet, Illinois (Figure 1). This groundwater monitoring is being performed as part of the long-term monitoring plan described in the Hydrogeologic Assessment Report submitted to the Illinois Environmental Protection Agency (Illinois EPA) in February 2011.

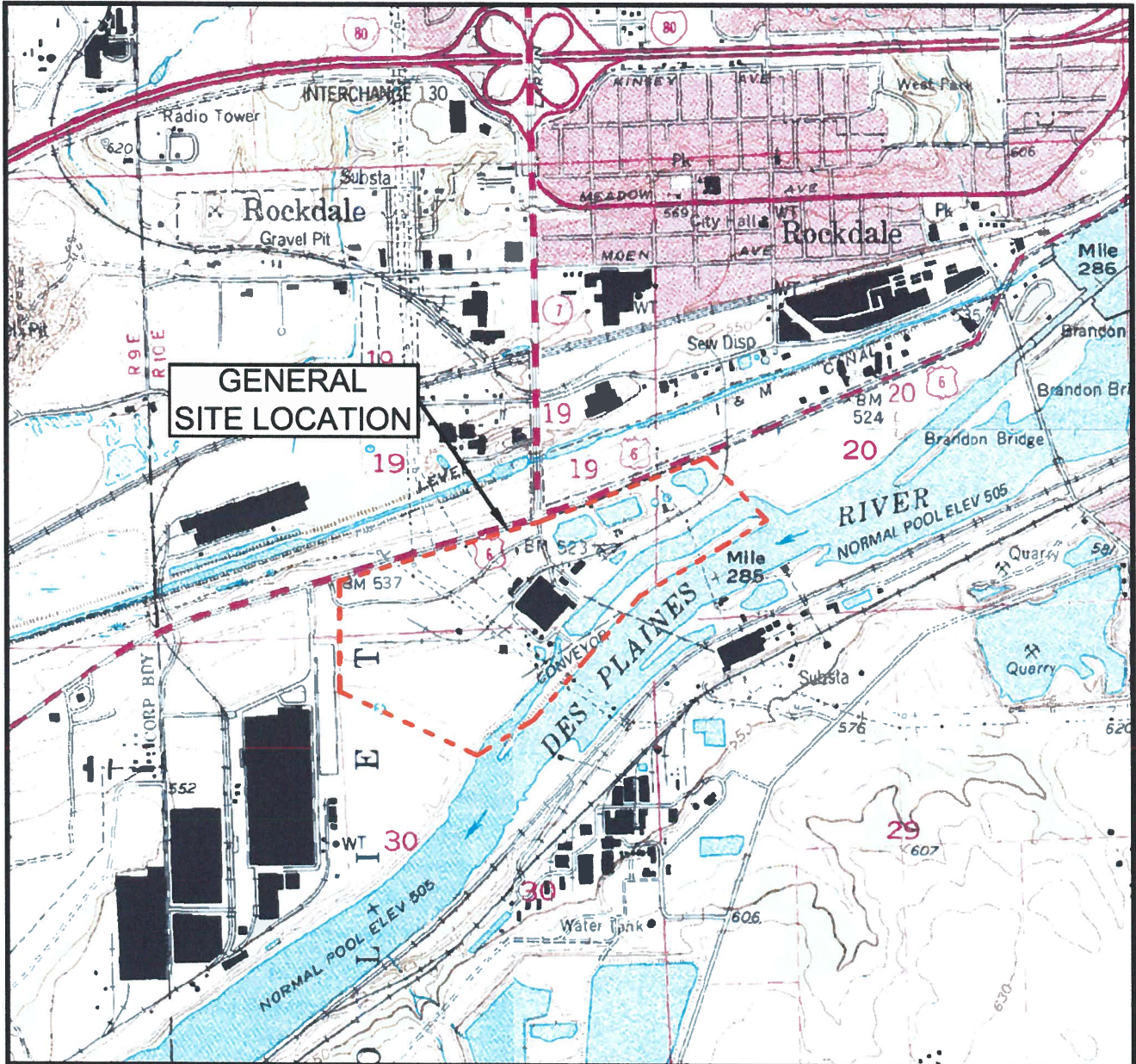
SAMPLING METHODOLOGY

In accordance with the long-term monitoring plan referenced above, water samples are collected quarterly from eleven monitoring wells (MW-1 through MW-11) surrounding the ash impoundments at the Joliet #29 facility. The well locations are shown on Figure 2. These wells were most recently sampled on June 14, 2011.

The groundwater elevation in each of the eleven wells was measured prior to sampling. Samples were collected from eight of the wells using disposable polyethylene bailers (MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, and MW-11). Each well was purged until at least three well volumes had been extracted. Groundwater was then bailed into a decontaminated, stainless steel container and thereafter transferred to the sampling containers via peristaltic pump. The remaining three wells (MW-1, MW-2 and MW-9) were sampled using established low-flow sampling techniques with a peristaltic pump.

Field parameters including, temperature, turbidity, conductivity, dissolved oxygen (DO), oxygen reduction potential (ORP), and pH measurements were taken at each of the wells using a portable meter with a flow through cell. All groundwater samples were filtered in the field using a disposable, 0.45µm, in-line filter to allow for the analytical testing of dissolved compounds. Groundwater elevation data is summarized in Table 1 and shown on Figure 3. Field parameter data is provided in Table 2.

FIGURE 1
SITE LOCATION MAP



LEGEND

--- SITE BOUNDARY



GRAPHIC SCALE

NOTE:
THIS DRAWING WAS PREPARED USING ILLINOIS' PLAINFIELD (1993), JOLIET (1993), CHANNAHON (1993), AND ELWOOD (1993) 7.5 MINUTE-SERIES TOPOGRAPHIC QUADRANGLE MAP.

Date: JUNE 2011	FIGURE 1 SITE LOCATION MAP
Proj No.: 21153.034	
App. By: RMF	JOLIET STATION NO. 29 JOLIET, ILLINOIS

**PATRICK
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FIGURE 2
MONITORING WELL LOCATION MAP



LEGEND

-  MW-01 Monitoring Well Location
-  Ash Ponds

AERIAL IMAGE SOURCE:
LANDISCOR AERIAL INFORMATION INC., JULY 2008



1" = 600'

Date: JUNE 2011

Proj No.: 21153.034

App. By: RMF

**FIGURE 2
MONITORING WELL LOCATION MAP
JOLIET STATION NO. 29
JOLIET, ILLINOIS**

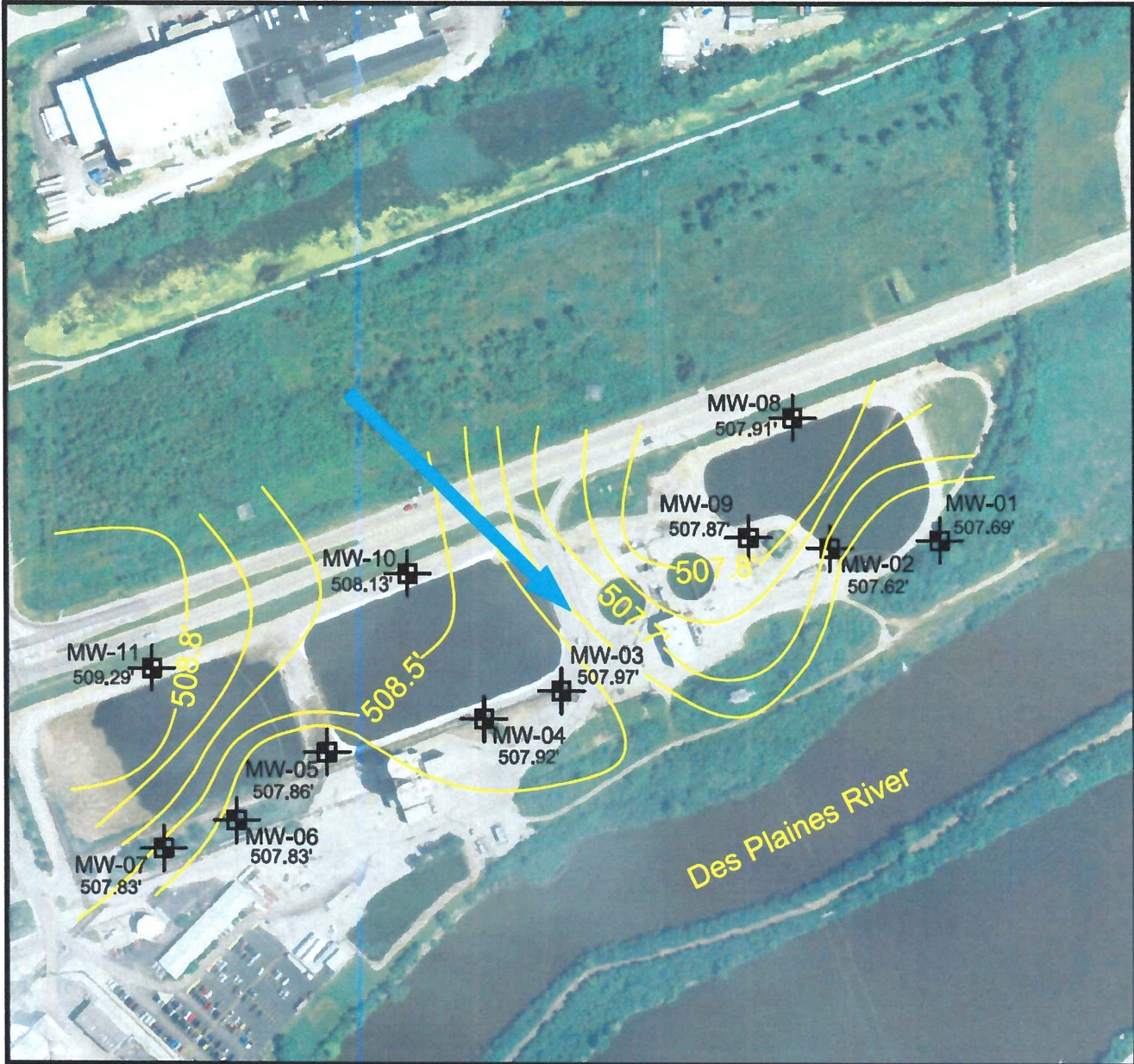
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FIGURE 3
GROUNDWATER ELEVATION MAP



LEGEND

-  MW-01 505.46' MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION (FT. / MSL)
-  GROUNDWATER ELEVATION CONTOUR (FT. / MSL)
-  GROUNDWATER FLOW DIRECTION




1" = 300'

AERIAL IMAGE SOURCE:
LANDISCOR AERIAL INFORMATION INC., JULY 2008

Date: JUNE 2011	<p align="center">FIGURE 3 GROUNDWATER ELEVATION MAP JOLIET STATION NO. 29 JOLIET, ILLINOIS</p>	<p align="center">PATRICK ENGINEERING INC.</p> <p>4970 Varsity Drive Lisle, Illinois 60532-4101 PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000409</p> <p align="right">TEL. (630) 795-7200 FAX (630) 724-1881</p>
Proj No.: 21153.034		
App. By: RMF		

TABLE 1
FIELD PARAMETER DATA

Table 1
 Field Parameter Data
 Joliet #29 Station, Joliet, Illinois
 Midwest Generation
 21153.034


 Field Parameter Data - Joliet #29 Station								
Monitoring Well	Date	Time	Temperature (°C)	Conductivity (ms/cm ^e)	Turbidity (NTU)	pH	DO (mg/L)	ORP (mV)
MW-01	3/23/2011	--	--	--	--	--	--	--
MW-01	6/14/2011	12:08	14.71	1.36	13.26	7.80	6.61	190.0
MW-01	6/14/2011	12:10	14.26	1.33	13.33	7.42	3.95	186.1
MW-01	6/14/2011	12:12	14.02	1.31	13.12	7.35	3.89	201.1
MW-01	6/14/2011	12:14	13.96	1.29	13.29	7.32	3.88	208.8
MW-01	6/14/2011	12:16	13.83	1.29	13.24	7.28	3.89	210.7
MW-01	6/14/2011	12:18	13.92	1.28	13.11	7.25	4.19	210.6
MW-02	3/23/2011	--	--	--	--	--	--	--
MW-02	6/14/2011	11:32	16.11	1.35	8.31	7.57	6.75	157.7
MW-02	6/14/2011	11:34	15.75	1.31	8.40	7.35	6.44	187.9
MW-02	6/14/2011	11:36	15.55	1.30	8.26	7.25	6.45	208.1
MW-02	6/14/2011	11:38	15.68	1.30	8.17	7.25	6.42	218.0
MW-02	6/14/2011	11:40	15.63	1.30	8.12	7.29	6.43	222.6
MW-02	6/14/2011	11:42	15.57	1.30	8.99	7.30	6.45	2227.3
MW-03	3/23/2011	12:30	12.73	1.76	1283.80	7.26	4.73	179.1
MW-03	6/14/2011	9:50	13.04	1.74	1534.29	7.41	7.78	223.5
MW-04	3/23/2011	11:55	12.13	1.76	1277.40	7.15	6.80	196.1
MW-04	6/14/2011	9:20	12.59	1.50	1104.60	7.48	8.20	217.5
MW-05	3/23/2011	13:05	13.41	1.65	514.90	7.19	6.96	197.8
MW-05	6/14/2011	8:03	13.37	1.38	707.90	7.44	7.16	210.0
MW-06	3/23/2011	13:38	12.90	1.65	1284.40	7.51	7.44	183.7
MW-06	6/14/2011	13:25	14.26	1.05	431.20	7.71	6.82	203.8
MW-07	3/23/2011	14:10	13.58	1.78	1292.20	7.50	7.02	183.2
MW-07	6/14/2011	13:50	12.92	1.02	1892.35	7.61	8.10	202.8
MW-08	3/23/2011	9:55	13.06	1.80	1287.50	7.29	7.82	192.6
MW-08	6/14/2011	12:50	13.15	0.99	437.99	7.70	8.00	196.0
MW-09	3/23/2011	11:10	12.78	3.30	214.00	7.19	7.49	102.2
MW-09	6/14/2011	10:55	16.53	2.57	14.22	7.15	1.12	-40.6
MW-09	6/14/2011	10:57	16.04	2.39	14.28	7.07	0.51	-42.3
MW-09	6/14/2011	10:59	16.00	2.32	14.14	7.03	0.49	-42.3
MW-09	6/14/2011	11:01	15.76	2.30	14.09	7.01	0.49	-29.3
MW-09	6/14/2011	11:03	15.78	2.28	13.73	7.01	0.47	-35.7
MW-09	6/14/2011	11:05	15.68	2.25	13.28	7.01	0.49	-43.5
MW-10	3/23/2011	9:20	12.40	1.88	23.50	7.20	7.18	191.6
MW-10	6/14/2011	8:40	12.05	1.58	2312.96	7.40	8.70	210.0
MW-11	3/23/2011	8:46	13.49	1.69	1293.70	7.23	7.23	194.3
MW-11	6/14/2011	9:31	11.69	1.14	600.28	7.60	8.65	200.8

Notes:

- °C degrees Celcius
- ms/cm^e Microsiemens/Centimeters
- NTU Nephelometric Turbidity Units
- mg/L milligrams/Liter
- mV milliVolts

TABLE 2
GROUNDWATER ELEVATION SURVEY DATA

Table 2
Groundwater Elevation Survey Data
Joliet # 29, Joliet, Illinois
Midwest Generation
21153.034

	Date	Water Elevation	Depth to Water Pre-Purge	Depth to Water Pre-Sampling	Water Elevation Pre-Sampling	Depth to Bottom of Well	Bottom of Well Elevation	Ground Elevation	Top of Riser Elevation
MONITORING WELLS									
MW-1	3/23/2011	505.860	28.90	--	--	29.85	504.910	531.464	534.760
MW-1	6/14/2011	507.690	27.07	27.37	507.390	29.85	504.910	531.464	534.760
MW-2	3/23/2011	505.823	28.46	--	--	30.22	504.063	531.186	534.283
MW-2	6/14/2011	507.623	26.66	26.66	507.623	30.22	504.063	531.186	534.283
MW-3	3/23/2011	505.952	32.83	32.86	505.922	44.10	494.682	535.540	538.782
MW-3	6/14/2011	507.972	30.81	31.89	506.892	44.10	494.682	535.540	538.782
MW-4	3/23/2011	505.956	33.07	33.07	505.956	42.90	496.126	535.800	539.026
MW-4	6/14/2011	507.926	31.10	31.10	507.926	42.90	496.126	535.800	539.026
MW-5	3/23/2011	505.837	33.85	33.85	505.837	45.05	494.637	536.428	539.687
MW-5	6/14/2011	507.867	31.82	31.83	507.857	45.05	494.637	536.428	539.687
MW-6	3/23/2011	505.941	33.12	33.17	505.891	42.20	496.861	535.858	539.061
MW-6	6/14/2011	507.831	31.23	31.23	507.831	42.20	496.861	535.858	539.061
MW-7	3/23/2011	505.960	33.39	33.40	505.950	43.24	496.110	535.862	539.350
MW-7	6/14/2011	507.830	31.52	31.52	507.830	43.24	496.110	535.862	539.350
MW-8	3/23/2011	505.973	30.90	30.91	505.963	38.06	498.813	533.720	536.873
MW-8	6/14/2011	507.913	28.96	28.98	507.893	38.06	498.813	533.720	536.873
MW-9	3/23/2011	505.948	28.49	32.84	501.598	38.15	496.288	531.126	534.438
MW-9	6/14/2011	507.878	26.56	28.60	505.838	38.15	496.288	531.126	534.438
MW-10	3/23/2011	506.127	33.90	34.01	506.017	43.93	496.097	536.949	540.027
MW-10	6/14/2011	508.187	31.84	31.86	508.167	43.93	496.097	536.949	540.027
MW-11	3/23/2011	506.343	33.13	33.12	506.353	42.33	497.143	536.521	539.473
MW-11	6/14/2011	509.293	30.18	30.17	509.303	42.33	497.143	536.521	539.473

Notes - Elevations are leveled from site control points per Commonwealth Edison Drawing
 "Coordinates & Elevations for Coal Monuments & Test Borings-Joliet Station 29" revised 12/6/1999
 -Elevations are shown in feet

TABLE 3
GROUNDWATER ANALYTICAL RESULTS

Table 3
Groundwater Analytical Results
 Joliet Station #29, Illinois
 Midwest Generation
 21153 034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-1 (mg/L) 12/6/10	MW-1 (mg/L) 3/28/11	MW-1 (mg/L) 6/14/11	MW-2 (mg/L) 12/6/10	MW-2 (mg/L) 3/28/11	MW-2 (mg/L) 6/14/11	MW-3 (mg/L) 12/7/10	MW-3 (mg/L) 3/28/11	MW-3 (mg/L) 6/14/11	MW-4 (mg/L) 12/7/10	MW-4 (mg/L) 3/28/11	MW-4 (mg/L) 6/14/11
Antimony	Metals 6020	0.006	0.0043	NS	ND	0.012	NS	0.0042	0.004	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.05	0.0011	NS	0.0014	ND	NS	ND	ND	0.0011	ND	ND	ND	ND
Barium	Metals 6020	2.0	0.13	NS	0.14	0.82	NS	0.081	0.089	0.085	0.092	0.065	0.067	0.059
Beryllium	Metals 6020	0.004	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	1.0	ND	NS	0.001	ND	NS	ND	0.0013	0.0013	ND	ND	ND	ND
Cobalt	Metals 6020	0.65	0.0032	NS	0.0025	0.0032	NS	ND	ND	ND	ND	ND	ND	ND
Copper	Metals 6020	0.2	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	5.0	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	0.075	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	0.15	ND	NS	ND	ND	NS	ND	0.1	0.048	ND	0.33	0.048	0.018
Manganese	Metals 6020	0.002	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Mercury	Mercury 7470A	0.1	0.0034	NS	0.0029	0.0033	NS	ND	0.011	0.0065	ND	0.0067	0.0037	ND
Nickel	Metals 6020	0.05	ND	NS	ND	ND	NS	ND	ND	0.005	ND	0.0025	ND	ND
Selenium	Metals 6020	0.05	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.002	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	5.0	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Zinc	Metals 6020	2	0.31	NS	0.29	0.31	NS	0.35	0.24	0.36	0.46	0.46	0.37	0.38
Barium	Metals 6020	400	180	NS	81	190	NS	67	120	160	120	300	140	84
Sulfate	Dissolved 9038	200	140	NS	170	140	NS	230	260	240	300	270	270	250
Chloride	Dissolved 9251	10	ND	NS	2.9	3.1	NS	1.8	ND	1	2.1	0.81	1.6	2.7
Nitrogen/Nitrate	Nitrogen By calc	1,200	590	NS	670	600	NS	720	930	1,100	1,000	1,100	1,000	890
Total Dissolved Solids	Dissolved 2540C	4	0.45	NS	0.43	0.62	NS	0.58	0.43	0.4	0.41	0.49	0.38	0.44
Fluoride	Dissolved 4500 FC	NA	ND	NS	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	1.9	NS	2.9	3.1	NS	1.8	ND	1	2.1	0.81	1.6	2.7
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	1.9	NS	2.9	3.1	NS	1.8	ND	1	2.1	0.81	1.6	2.7

Notes:
 *Class I Groundwater Standards from 35 IAC Part 620
 Bold values show exceedences of 35 IAC Part 620
 ND-non detect
 NS-not sampled
 mg/L- milligrams per liter

Table 3
Groundwater Analytical Results
Joliet Station #29, Illinois
Midwest Generation
21153 034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class 1*	MW-5		MW-6		MW-7		MW-8						
			(mg/L) 12/7/10	(mg/L) 3/28/11	(mg/L) 12/7/10	(mg/L) 3/28/11	(mg/L) 6/14/11	(mg/L) 12/7/10	(mg/L) 3/28/11	(mg/L) 6/14/11	(mg/L) 12/6/10	(mg/L) 3/28/11	(mg/L) 6/14/11		
Antimony	Metals 6020	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.05	ND	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND
Barium	Metals 6020	2.0	0.061	0.092	0.053	0.075	0.13	0.11	0.072	0.055	0.0054	0.055	0.026	0.026	0.026
Beryllium	Metals 6020	0.004	ND	ND	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	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	ND	ND	ND	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	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	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	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	0.14	0.033	0.29	0.014	0.0051	0.0026	0.017	0.017	0.017	0.017
Manganese	Metals 6020	0.15	0.065	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	0.0045	ND	0.0025	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	ND	ND	ND	0.0056	0.0025	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	Metals 6020	0.05	ND	0.0072	ND	0.0029	0.0034	ND	ND	ND	ND	ND	ND	ND	ND
Silver	Metals 6020	0.05	ND	ND	ND	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	ND	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	0.32	0.44	0.51	0.39	0.25	0.29	0.16	0.12	0.12	0.12
Boron	Metals 6020	2	0.42	0.52	0.47	0.32	0.44	0.32	0.39	0.25	0.29	0.16	0.12	0.12	0.12
Sulfate	Metals 6020	400	110	160	100	140	140	250	120	85	210	87	52	52	52
Chloride	Dissolved 9038	200	150	240	220	130	270	430	320	140	130	350	150	150	150
Nitrogen/Nitrate	Dissolved 9251	10	ND	1.2	1.3	ND	1.3	1.2	1.2	0.76	0.33	2.2	1.9	1.9	1.9
Total Dissolved Solids	Nitrogen By calc	1,200	750	990	850	650	1,000	1,200	970	580	670	990	580	580	580
Fluoride	Dissolved 2540C	4	0.4	0.34	0.39	0.4	0.36	0.36	0.31	0.35	0.51	0.36	0.45	0.45	0.45
Nitrogen/Nitrite	Dissolved 4500 FC	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO2	NA	ND	1.2	1.3	ND	1.3	1.2	1.2	0.76	0.33	2.2	1.9	1.9	1.9

Notes:

*Class 1 Groundwater Standards from 35 IAC Part 620

Bold values show exceedences of 35 IAC Part 620

ND-non detect

NS- not sampled

mg/L- milligrams per liter

Table 3
Groundwater Analytical Results
 Joliet Station #29, Illinois
 Midwest Generation
 21153 034

Chemical Name	Sample Analysis Method	Groundwater Quality Standard (mg/L) Class I*	MW-9		MW-10		MW-11	
			(mg/L) 12/6/10	(mg/L) 3/28/11	(mg/L) 6/14/11	(mg/L) 12/6/10	(mg/L) 3/28/11	(mg/L) 6/14/11
Antimony	Metals 6020	0.06	ND	ND	ND	ND	ND	ND
Arsenic	Metals 6020	0.05	ND	ND	ND	0.0013	0.0016	ND
Barium	Metals 6020	2.0	0.031	0.029	0.032	0.05	0.039	0.051
Beryllium	Metals 6020	0.004	ND	ND	ND	ND	ND	ND
Cadmium	Metals 6020	0.005	ND	ND	ND	ND	ND	ND
Chromium	Metals 6020	0.1	ND	ND	ND	ND	ND	ND
Cobalt	Metals 6020	1.0	0.0047	0.0034	0.0062	ND	ND	ND
Copper	Metals 6020	0.65	ND	ND	ND	ND	ND	ND
Cyanide	Dissolved 9014	0.2	ND	ND	ND	ND	ND	ND
Iron	Metals 6020	5.0	ND	0.18	7.3	ND	ND	ND
Lead	Metals 6020	0.0075	ND	ND	ND	ND	ND	ND
Manganese	Metals 6020	0.15	1.1	1.6	0.95	0.12	0.0076	ND
Mercury	Mercury 7470A	0.002	ND	ND	ND	ND	ND	ND
Nickel	Metals 6020	0.1	0.0094	0.0072	0.013	0.0052	0.0029	ND
Selenium	Metals 6020	0.05	ND	ND	ND	ND	ND	0.0054
Silver	Metals 6020	0.05	ND	ND	ND	ND	ND	ND
Thallium	Metals 6020	0.002	ND	ND	ND	ND	ND	ND
Zinc	Metals 6020	5.0	ND	ND	ND	ND	ND	ND
Boron	Metals 6020	2	0.36	0.32	0.29	0.5	0.54	0.47
Sulfate	Dissolved 9038	400	1,600	1,100	580	130	89	150
Chloride	Dissolved 9251	200	140	230	290	200	300	270
Nitrogen/Nitrate	Nitrogen By calc	10	ND	ND	0.97	0.39	2.3	0.39
Total Dissolved Solids	Dissolved 2540C	1,200	2,600	2,400	1,500	860	1,100	980
Fluoride	Dissolved 4500 FC	4	0.61	0.52	0.47	0.43	0.39	0.42
Nitrogen/Nitrite	Dissolved 4500 NO2	NA	ND	ND	ND	ND	ND	ND
Nitrogen/Nitrate/Nitrite	Dissolved 4500 NO3	NA	ND	ND	0.97	0.39	2.3	2.7

Notes:

*Class I Groundwater Standards from 35 IAC Part 620

Bold values show exceedences of 35 IAC Part 620

ND--non detect

NS--not sampled

mg/L--milligrams per liter

ATTACHMENT A
LABORATORY DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-35412-1
Client Project/Site: Midwest Generation Joliet Groundwater

For:
Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: James DiCola



Authorized for release by:
06/29/2011 02:04:34 PM
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Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	17
QC Association	18
QC Sample Results	25
Chain of Custody	34
Receipt Checklists	35
Certification Summary	36

Case Narrative

Client: Midwest Generation EME LLC
Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Job ID: 500-35412-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-35412-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

Metals

Method(s) 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 116939 were outside control limits for As and Se. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6020: The internal standards were outside the acceptance limits for the CCV at line 61 in AD batch 118025. The individual elements were all within acceptance limits for the CCV and the samples internal standards were within acceptance limits. The samples were reported.

Method(s) 6020: Due to sample matrix effect on the internal standards (ISTD), a dilution was required for the following sample(s): 500-35413-1,2,3,4,5,6,7,8,9,10 and 500-35412-1,2,3,4,5,6,7,8,9,10,11,

Method(s) 7470A: The continuing calibration verification (CCV) at line 29 in AD batch 116852 recovered above the upper control limit for Hg. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Field Service / Mobile Lab

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9038	Sulfate, Turbidimetric	SW846	TAL CHI
9251	Chloride	SW846	TAL CHI
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 NO2 B	Nitrogen, Nitrite	SM	TAL CHI
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL CHI

Protocol References:

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

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

Laboratory References:

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-35412-1	MW-1	Water	06/14/11 12:20	06/15/11 14:20
500-35412-2	MW-2	Water	06/14/11 11:45	06/15/11 14:20
500-35412-3	MW-3	Water	06/14/11 09:50	06/15/11 14:20
500-35412-4	MW-4	Water	06/14/11 09:20	06/15/11 14:20
500-35412-5	MW-5	Water	06/14/11 08:05	06/15/11 14:20
500-35412-6	MW-6	Water	06/14/11 13:25	06/15/11 14:20
500-35412-7	MW-7	Water	06/14/11 13:50	06/15/11 14:20
500-35412-8	MW-8	Water	06/14/11 12:50	06/15/11 14:20
500-35412-9	MW-9	Water	06/14/11 11:05	06/15/11 14:20
500-35412-10	MW-10	Water	06/14/11 08:40	06/15/11 14:20
500-35412-11	MW-11	Water	06/14/11 07:35	06/15/11 14:20

5

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-1

Lab Sample ID: 500-35412-1

Date Collected: 06/14/11 12:20

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:15	1
Arsenic	0.0014		0.0010		mg/L		06/18/11 18:38	06/23/11 19:15	1
Barium	0.14		0.0025		mg/L		06/18/11 18:38	06/23/11 19:15	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:25	1
Boron	0.29		0.050		mg/L		06/18/11 18:38	06/22/11 16:25	1
Cadmium	<0.00050		0.00050		mg/L		06/18/11 18:38	06/23/11 19:15	1
Chromium	<0.0050		0.0050		mg/L		06/18/11 18:38	06/23/11 19:15	1
Cobalt	0.0010		0.0010		mg/L		06/18/11 18:38	06/23/11 19:15	1
Copper	0.0025		0.0020		mg/L		06/18/11 18:38	06/23/11 19:15	1
Iron	<0.10		0.10		mg/L		06/18/11 18:38	06/23/11 19:15	1
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:11	1
Manganese	<0.0025		0.0025		mg/L		06/18/11 18:38	06/23/11 19:15	1
Nickel	0.0029		0.0020		mg/L		06/18/11 18:38	06/23/11 19:15	1
Selenium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/23/11 19:15	1
Silver	<0.00050		0.00050		mg/L		06/18/11 18:38	06/23/11 19:15	1
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:11	1
Zinc	<0.020		0.020		mg/L		06/18/11 18:38	06/23/11 19:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	^	0.00020		mg/L		06/16/11 11:22	06/17/11 11:04	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:38	1
Sulfate	81		25		mg/L			06/17/11 10:22	5
Chloride	170		10		mg/L			06/27/11 13:38	5
Nitrogen, Nitrate	2.9		0.10		mg/L			06/24/11 16:19	1
Total Dissolved Solids	670		10		mg/L			06/15/11 22:37	1
Fluoride	0.43		0.10		mg/L			06/20/11 13:46	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:26	1
Nitrogen, Nitrate Nitrite	2.9		0.20		mg/L			06/24/11 15:26	2

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-2

Lab Sample ID: 500-35412-2

Date Collected: 06/14/11 11:45

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0042		0.0030		mg/L		06/18/11 18:38	06/23/11 19:31	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:41	5
Barium	0.081		0.0025		mg/L		06/18/11 18:38	06/23/11 19:31	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:33	1
Boron	0.35		0.050		mg/L		06/18/11 18:38	06/22/11 16:33	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:41	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:41	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:41	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:41	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:41	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:23	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:41	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:41	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:41	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:41	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:23	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:41	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	^	0.00020		mg/L		06/16/11 11:22	06/17/11 12:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:39	1
Sulfate	67		25		mg/L			06/17/11 10:23	5
Chloride	230		10		mg/L			06/27/11 13:39	5
Nitrogen, Nitrate	1.8		0.10		mg/L			06/24/11 16:19	1
Total Dissolved Solids	720		10		mg/L			06/15/11 22:40	1
Fluoride	0.58		0.10		mg/L			06/27/11 15:06	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:16	1
Nitrogen, Nitrate Nitrite	1.8		0.10		mg/L			06/24/11 14:25	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-3

Lab Sample ID: 500-35412-3

Date Collected: 06/14/11 09:50

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:34	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:44	5
Barium	0.092		0.0025		mg/L		06/18/11 18:38	06/23/11 19:34	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:34	1
Boron	0.46		0.050		mg/L		06/18/11 18:38	06/22/11 16:34	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:44	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:44	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:44	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:44	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:44	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:25	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:44	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:44	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:44	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:44	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:25	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:44	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	^	0.00020		mg/L		06/16/11 11:22	06/17/11 11:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:39	1
Sulfate	120		50		mg/L			06/17/11 10:24	10
Chloride	300		10		mg/L			06/27/11 13:40	5
Nitrogen, Nitrate	2.1		0.10		mg/L			06/24/11 16:19	1
Total Dissolved Solids	1000		10		mg/L			06/15/11 22:43	1
Fluoride	0.41		0.10		mg/L			06/27/11 15:10	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:16	1
Nitrogen, Nitrate Nitrite	2.1		0.20		mg/L			06/24/11 15:27	2

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-4

Lab Sample ID: 500-35412-4

Date Collected: 06/14/11 09:20

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:36	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:46	5
Barium	0.059		0.0025		mg/L		06/18/11 18:38	06/23/11 19:36	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:35	1
Boron	0.38		0.050		mg/L		06/18/11 18:38	06/22/11 16:35	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:46	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:46	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:46	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:46	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:46	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:27	1
Manganese	0.018		0.013		mg/L		06/18/11 18:38	06/28/11 18:46	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:46	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:46	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:46	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:27	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:46	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:39	1
Sulfate	84		25		mg/L			06/21/11 01:12	5
Chloride	250		10		mg/L			06/27/11 13:41	5
Nitrogen, Nitrate	2.7		0.10		mg/L			06/24/11 16:19	1
Total Dissolved Solids	890		10		mg/L			06/15/11 22:46	1
Fluoride	0.44		0.10		mg/L			06/27/11 15:14	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:16	1
Nitrogen, Nitrate Nitrite	2.7		0.20		mg/L			06/24/11 15:28	2

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-5

Lab Sample ID: 500-35412-5

Date Collected: 06/14/11 08:05

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:38	1	
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Barium	0.053		0.0025		mg/L		06/18/11 18:38	06/23/11 19:38	1	
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:36	1	
Boron	0.47		0.050		mg/L		06/18/11 18:38	06/22/11 16:36	1	
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:30	1	
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:48	5	
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:30	1	
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:48	5	

Method: 7470A - Mercury (CVAA) - Dissolved										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:14	1	

General Chemistry - Dissolved										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:39	1	
Sulfate	100		25		mg/L			06/21/11 01:13	5	
Chloride	220		10		mg/L			06/27/11 13:42	5	
Nitrogen, Nitrate	1.3		0.10		mg/L			06/24/11 16:19	1	
Total Dissolved Solids	850		10		mg/L			06/15/11 22:49	1	
Fluoride	0.39		0.10		mg/L			06/27/11 15:18	1	
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:17	1	
Nitrogen, Nitrate Nitrite	1.3		0.10		mg/L			06/24/11 14:36	1	



Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-6

Lab Sample ID: 500-35412-6

Date Collected: 06/14/11 13:25

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/22/11 19:37	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:51	5
Barium	0.082		0.0025		mg/L		06/18/11 18:38	06/22/11 19:37	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:37	1
Boron	0.32		0.050		mg/L		06/18/11 18:38	06/22/11 16:37	1
Cadmium	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:37	1
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:51	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:51	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:51	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:51	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:37	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:51	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:51	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:51	5
Silver	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:37	1
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:37	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:51	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:40	1
Sulfate	87		25		mg/L			06/21/11 01:16	5
Chloride	140		10		mg/L			06/22/11 13:19	5
Nitrogen, Nitrate	0.91		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	650		10		mg/L			06/15/11 22:52	1
Fluoride	0.44		0.10		mg/L			06/27/11 15:22	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:26	1
Nitrogen, Nitrate Nitrite	0.91		0.10		mg/L			06/28/11 11:49	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-7

Lab Sample ID: 500-35412-7

Date Collected: 06/14/11 13:50

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:43	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:53	5
Barium	0.072		0.0025		mg/L		06/18/11 18:38	06/23/11 19:43	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:38	1
Boron	0.25		0.050		mg/L		06/18/11 18:38	06/22/11 16:38	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:53	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:53	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:53	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:53	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:53	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:39	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:53	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:53	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:53	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:53	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:39	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:53	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:40	1
Sulfate	85		25		mg/L			06/21/11 01:17	5
Chloride	140		10		mg/L			06/22/11 13:20	5
Nitrogen, Nitrate	0.76		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	580		10		mg/L			06/15/11 22:55	1
Fluoride	0.35		0.10		mg/L			06/27/11 15:25	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:26	1
Nitrogen, Nitrate Nitrite	0.76		0.10		mg/L			06/28/11 11:51	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-8

Lab Sample ID: 500-35412-8

Date Collected: 06/14/11 12:50

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:45	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:55	5
Barium	0.026		0.0025		mg/L		06/18/11 18:38	06/23/11 19:45	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:39	1
Boron	0.12		0.050		mg/L		06/18/11 18:38	06/22/11 16:39	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:55	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:55	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:55	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:55	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 18:55	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:41	1
Manganese	0.017		0.013		mg/L		06/18/11 18:38	06/28/11 18:55	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:55	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:55	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:55	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:41	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:55	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:40	1
Sulfate	52		10		mg/L			06/21/11 01:20	2
Chloride	150		10		mg/L			06/22/11 13:20	5
Nitrogen, Nitrate	1.9		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	580		10		mg/L			06/15/11 22:58	1
Fluoride	0.45		0.10		mg/L			06/27/11 15:29	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:27	1
Nitrogen, Nitrate Nitrite	1.9		0.10		mg/L			06/28/11 11:54	1

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-9

Lab Sample ID: 500-35412-9

Date Collected: 06/14/11 11:05

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:47	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 18:57	5
Barium	0.032		0.0025		mg/L		06/18/11 18:38	06/23/11 19:47	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:40	1
Boron	0.29		0.050		mg/L		06/18/11 18:38	06/22/11 16:40	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:57	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 18:57	5
Cobalt	0.0062		0.0050		mg/L		06/18/11 18:38	06/28/11 18:57	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 18:57	5
Iron	7.3		0.50		mg/L		06/18/11 18:38	06/28/11 18:57	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:44	1
Manganese	0.95		0.013		mg/L		06/18/11 18:38	06/28/11 18:57	5
Nickel	0.013		0.010		mg/L		06/18/11 18:38	06/28/11 18:57	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 18:57	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 18:57	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:44	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 18:57	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:41	1
Sulfate	580		100		mg/L			06/21/11 01:21	20
Chloride	290		10		mg/L			06/22/11 13:21	5
Nitrogen, Nitrate	0.97		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	1500		10		mg/L			06/15/11 23:01	1
Fluoride	0.47		0.10		mg/L			06/27/11 15:33	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:17	1
Nitrogen, Nitrate Nitrite	0.97		0.10		mg/L			06/28/11 11:56	1



Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-10

Lab Sample ID: 500-35412-10

Date Collected: 06/14/11 08:40

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/23/11 19:50	1
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 19:00	5
Barium	0.039		0.0025		mg/L		06/18/11 18:38	06/23/11 19:50	1
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:44	1
Boron	0.54		0.050		mg/L		06/18/11 18:38	06/29/11 10:46	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 19:00	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 19:00	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 19:00	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 19:00	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 19:00	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:46	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 19:00	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 19:00	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 19:00	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 19:00	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:46	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 19:00	5

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:46	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:41	1
Sulfate	89		25		mg/L			06/21/11 01:22	5
Chloride	7.1		2.0		mg/L			06/22/11 12:56	1
Nitrogen, Nitrate	2.7		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	980		10		mg/L			06/15/11 23:04	1
Fluoride	0.42		0.10		mg/L			06/27/11 15:55	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:17	1
Nitrogen, Nitrate Nitrite	2.7		0.20		mg/L			06/28/11 13:17	2

Client Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Client Sample ID: MW-11

Lab Sample ID: 500-35412-11

Date Collected: 06/14/11 07:35

Matrix: Water

Date Received: 06/15/11 14:20

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.015		0.015		mg/L		06/18/11 18:38	06/28/11 19:02	5
Arsenic	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 19:02	5
Barium	0.051		0.013		mg/L		06/18/11 18:38	06/28/11 19:02	5
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:45	1
Boron	2.2		0.050		mg/L		06/18/11 18:38	06/29/11 10:47	1
Cadmium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 19:02	5
Chromium	<0.025		0.025		mg/L		06/18/11 18:38	06/28/11 19:02	5
Cobalt	<0.0050		0.0050		mg/L		06/18/11 18:38	06/28/11 19:02	5
Copper	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 19:02	5
Iron	<0.50		0.50		mg/L		06/18/11 18:38	06/28/11 19:02	5
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 19:48	1
Manganese	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 19:02	5
Nickel	<0.010		0.010		mg/L		06/18/11 18:38	06/28/11 19:02	5
Selenium	<0.013		0.013		mg/L		06/18/11 18:38	06/28/11 19:02	5
Silver	<0.0025		0.0025		mg/L		06/18/11 18:38	06/28/11 19:02	5
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 19:48	1
Zinc	<0.10		0.10		mg/L		06/18/11 18:38	06/28/11 19:02	5

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:41	1
Sulfate	110		25		mg/L			06/21/11 01:23	5
Chloride	280		10		mg/L			06/22/11 13:22	5
Nitrogen, Nitrate	0.92		0.10		mg/L			06/28/11 15:20	1
Total Dissolved Solids	710		10		mg/L			06/15/11 23:07	1
Fluoride	0.36		0.10		mg/L			06/27/11 15:59	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:28	1
Nitrogen, Nitrate Nitrite	0.92		0.10		mg/L			06/28/11 12:00	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Metals

Prep Batch: 116722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116722/7-A	Method Blank	Total/NA	Water	7470A	
LCS 500-116722/8-A	Lab Control Sample	Total/NA	Water	7470A	
500-35412-1	MW-1	Dissolved	Water	7470A	
500-35412-2	MW-2	Dissolved	Water	7470A	
500-35412-3	MW-3	Dissolved	Water	7470A	
500-35412-4	MW-4	Dissolved	Water	7470A	
500-35412-5	MW-5	Dissolved	Water	7470A	

Prep Batch: 116723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116723/7-A	Method Blank	Total/NA	Water	7470A	
LCS 500-116723/8-A	Lab Control Sample	Total/NA	Water	7470A	
500-35412-6	MW-6	Dissolved	Water	7470A	
500-35412-6 DU	MW-6	Dissolved	Water	7470A	
500-35412-6 MS	MW-6	Dissolved	Water	7470A	
500-35412-6 MSD	MW-6	Dissolved	Water	7470A	
500-35412-7	MW-7	Dissolved	Water	7470A	
500-35412-8	MW-8	Dissolved	Water	7470A	
500-35412-9	MW-9	Dissolved	Water	7470A	
500-35412-10	MW-10	Dissolved	Water	7470A	
500-35412-11	MW-11	Dissolved	Water	7470A	

Analysis Batch: 116852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116722/7-A	Method Blank	Total/NA	Water	7470A	116722
LCS 500-116722/8-A	Lab Control Sample	Total/NA	Water	7470A	116722
500-35412-1	MW-1	Dissolved	Water	7470A	116722
500-35412-3	MW-3	Dissolved	Water	7470A	116722
500-35412-4	MW-4	Dissolved	Water	7470A	116722
500-35412-5	MW-5	Dissolved	Water	7470A	116722
MB 500-116723/7-A	Method Blank	Total/NA	Water	7470A	116723
LCS 500-116723/8-A	Lab Control Sample	Total/NA	Water	7470A	116723
500-35412-6	MW-6	Dissolved	Water	7470A	116723
500-35412-6 DU	MW-6	Dissolved	Water	7470A	116723
500-35412-6 MS	MW-6	Dissolved	Water	7470A	116723
500-35412-6 MSD	MW-6	Dissolved	Water	7470A	116723
500-35412-7	MW-7	Dissolved	Water	7470A	116723
500-35412-8	MW-8	Dissolved	Water	7470A	116723
500-35412-9	MW-9	Dissolved	Water	7470A	116723
500-35412-10	MW-10	Dissolved	Water	7470A	116723
500-35412-11	MW-11	Dissolved	Water	7470A	116723
500-35412-2	MW-2	Dissolved	Water	7470A	116722

Prep Batch: 116939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116939/1-A	Method Blank	Soluble	Water	Soluble Metals	
MB 500-116939/1-A	Method Blank	Soluble	Water	Soluble Metals	
MB 500-116939/1-A	Method Blank	Soluble	Water	Soluble Metals	
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
500-35412-1	MW-1	Dissolved	Water	Soluble Metals	

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Metals (Continued)

Prep Batch: 116939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-1	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 DU	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 DU	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 DU	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MS	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MS	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MS	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MSD	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MSD	MW-1	Dissolved	Water	Soluble Metals	
500-35412-1 MSD	MW-1	Dissolved	Water	Soluble Metals	
500-35412-2	MW-2	Dissolved	Water	Soluble Metals	
500-35412-2	MW-2	Dissolved	Water	Soluble Metals	
500-35412-2	MW-2	Dissolved	Water	Soluble Metals	
500-35412-2	MW-2	Dissolved	Water	Soluble Metals	
500-35412-3	MW-3	Dissolved	Water	Soluble Metals	
500-35412-3	MW-3	Dissolved	Water	Soluble Metals	
500-35412-3	MW-3	Dissolved	Water	Soluble Metals	
500-35412-3	MW-3	Dissolved	Water	Soluble Metals	
500-35412-4	MW-4	Dissolved	Water	Soluble Metals	
500-35412-4	MW-4	Dissolved	Water	Soluble Metals	
500-35412-4	MW-4	Dissolved	Water	Soluble Metals	
500-35412-4	MW-4	Dissolved	Water	Soluble Metals	
500-35412-5	MW-5	Dissolved	Water	Soluble Metals	
500-35412-5	MW-5	Dissolved	Water	Soluble Metals	
500-35412-5	MW-5	Dissolved	Water	Soluble Metals	
500-35412-5	MW-5	Dissolved	Water	Soluble Metals	
500-35412-6	MW-6	Dissolved	Water	Soluble Metals	
500-35412-6	MW-6	Dissolved	Water	Soluble Metals	
500-35412-6	MW-6	Dissolved	Water	Soluble Metals	
500-35412-7	MW-7	Dissolved	Water	Soluble Metals	
500-35412-7	MW-7	Dissolved	Water	Soluble Metals	
500-35412-7	MW-7	Dissolved	Water	Soluble Metals	
500-35412-7	MW-7	Dissolved	Water	Soluble Metals	
500-35412-8	MW-8	Dissolved	Water	Soluble Metals	
500-35412-8	MW-8	Dissolved	Water	Soluble Metals	
500-35412-8	MW-8	Dissolved	Water	Soluble Metals	
500-35412-8	MW-8	Dissolved	Water	Soluble Metals	
500-35412-9	MW-9	Dissolved	Water	Soluble Metals	
500-35412-9	MW-9	Dissolved	Water	Soluble Metals	
500-35412-9	MW-9	Dissolved	Water	Soluble Metals	
500-35412-9	MW-9	Dissolved	Water	Soluble Metals	
500-35412-10	MW-10	Dissolved	Water	Soluble Metals	
500-35412-10	MW-10	Dissolved	Water	Soluble Metals	
500-35412-10	MW-10	Dissolved	Water	Soluble Metals	
500-35412-10	MW-10	Dissolved	Water	Soluble Metals	
500-35412-10	MW-10	Dissolved	Water	Soluble Metals	
500-35412-11	MW-11	Dissolved	Water	Soluble Metals	
500-35412-11	MW-11	Dissolved	Water	Soluble Metals	
500-35412-11	MW-11	Dissolved	Water	Soluble Metals	
500-35412-11	MW-11	Dissolved	Water	Soluble Metals	



QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Metals (Continued)

Analysis Batch: 117402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116939/1-A	Method Blank	Soluble	Water	6020	116939
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	6020	116939
500-35412-1	MW-1	Dissolved	Water	6020	116939
500-35412-1 DU	MW-1	Dissolved	Water	6020	116939
500-35412-1 MS	MW-1	Dissolved	Water	6020	116939
500-35412-1 MSD	MW-1	Dissolved	Water	6020	116939
500-35412-2	MW-2	Dissolved	Water	6020	116939
500-35412-3	MW-3	Dissolved	Water	6020	116939
500-35412-4	MW-4	Dissolved	Water	6020	116939
500-35412-5	MW-5	Dissolved	Water	6020	116939
500-35412-6	MW-6	Dissolved	Water	6020	116939
500-35412-7	MW-7	Dissolved	Water	6020	116939
500-35412-8	MW-8	Dissolved	Water	6020	116939
500-35412-9	MW-9	Dissolved	Water	6020	116939
500-35412-10	MW-10	Dissolved	Water	6020	116939
500-35412-11	MW-11	Dissolved	Water	6020	116939

Analysis Batch: 117403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116939/1-A	Method Blank	Soluble	Water	6020	116939
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	6020	116939
500-35412-1	MW-1	Dissolved	Water	6020	116939
500-35412-1 DU	MW-1	Dissolved	Water	6020	116939
500-35412-1 MS	MW-1	Dissolved	Water	6020	116939
500-35412-1 MSD	MW-1	Dissolved	Water	6020	116939
500-35412-2	MW-2	Dissolved	Water	6020	116939
500-35412-3	MW-3	Dissolved	Water	6020	116939
500-35412-4	MW-4	Dissolved	Water	6020	116939
500-35412-5	MW-5	Dissolved	Water	6020	116939
500-35412-6	MW-6	Dissolved	Water	6020	116939
500-35412-7	MW-7	Dissolved	Water	6020	116939
500-35412-8	MW-8	Dissolved	Water	6020	116939
500-35412-9	MW-9	Dissolved	Water	6020	116939
500-35412-10	MW-10	Dissolved	Water	6020	116939
500-35412-11	MW-11	Dissolved	Water	6020	116939

Analysis Batch: 117563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116939/1-A	Method Blank	Soluble	Water	6020	116939
LCS 500-116939/2-A	Lab Control Sample	Soluble	Water	6020	116939
500-35412-1	MW-1	Dissolved	Water	6020	116939
500-35412-1 DU	MW-1	Dissolved	Water	6020	116939
500-35412-1 MS	MW-1	Dissolved	Water	6020	116939
500-35412-1 MSD	MW-1	Dissolved	Water	6020	116939
500-35412-2	MW-2	Dissolved	Water	6020	116939
500-35412-3	MW-3	Dissolved	Water	6020	116939
500-35412-4	MW-4	Dissolved	Water	6020	116939
500-35412-5	MW-5	Dissolved	Water	6020	116939
500-35412-7	MW-7	Dissolved	Water	6020	116939
500-35412-8	MW-8	Dissolved	Water	6020	116939
500-35412-9	MW-9	Dissolved	Water	6020	116939
500-35412-10	MW-10	Dissolved	Water	6020	116939

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Metals (Continued)

Analysis Batch: 118025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-2	MW-2	Dissolved	Water	6020	116939
500-35412-3	MW-3	Dissolved	Water	6020	116939
500-35412-4	MW-4	Dissolved	Water	6020	116939
500-35412-5	MW-5	Dissolved	Water	6020	116939
500-35412-6	MW-6	Dissolved	Water	6020	116939
500-35412-7	MW-7	Dissolved	Water	6020	116939
500-35412-8	MW-8	Dissolved	Water	6020	116939
500-35412-9	MW-9	Dissolved	Water	6020	116939
500-35412-10	MW-10	Dissolved	Water	6020	116939
500-35412-11	MW-11	Dissolved	Water	6020	116939

Analysis Batch: 118053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-10	MW-10	Dissolved	Water	6020	116939
500-35412-11	MW-11	Dissolved	Water	6020	116939

General Chemistry

Analysis Batch: 116645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116645/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-116645/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-35412-1	MW-1	Dissolved	Water	SM 2540C	
500-35412-2	MW-2	Dissolved	Water	SM 2540C	
500-35412-3	MW-3	Dissolved	Water	SM 2540C	
500-35412-4	MW-4	Dissolved	Water	SM 2540C	
500-35412-5	MW-5	Dissolved	Water	SM 2540C	
500-35412-6	MW-6	Dissolved	Water	SM 2540C	
500-35412-7	MW-7	Dissolved	Water	SM 2540C	
500-35412-8	MW-8	Dissolved	Water	SM 2540C	
500-35412-9	MW-9	Dissolved	Water	SM 2540C	
500-35412-10	MW-10	Dissolved	Water	SM 2540C	
500-35412-11	MW-11	Dissolved	Water	SM 2540C	

Analysis Batch: 116696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116696/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-116696/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-35412-2	MW-2	Dissolved	Water	SM 4500 NO2 B	
500-35412-3	MW-3	Dissolved	Water	SM 4500 NO2 B	
500-35412-4	MW-4	Dissolved	Water	SM 4500 NO2 B	
500-35412-5	MW-5	Dissolved	Water	SM 4500 NO2 B	
500-35412-9	MW-9	Dissolved	Water	SM 4500 NO2 B	
500-35412-10	MW-10	Dissolved	Water	SM 4500 NO2 B	

Prep Batch: 116716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116716/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-116716/2-A	Lab Control Sample	Total/NA	Water	9010B	
500-35412-1	MW-1	Dissolved	Water	9010B	
500-35412-2	MW-2	Dissolved	Water	9010B	
500-35412-3	MW-3	Dissolved	Water	9010B	

TestAmerica Chicago

06/29/2011

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

General Chemistry (Continued)

Prep Batch: 116716 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-4	MW-4	Dissolved	Water	9010B	
500-35412-5	MW-5	Dissolved	Water	9010B	
500-35412-6	MW-6	Dissolved	Water	9010B	
500-35412-7	MW-7	Dissolved	Water	9010B	
500-35412-8	MW-8	Dissolved	Water	9010B	
500-35412-9	MW-9	Dissolved	Water	9010B	
500-35412-10	MW-10	Dissolved	Water	9010B	
500-35412-11	MW-11	Dissolved	Water	9010B	
HLCS 500-116716/25-A	Lab Control Sample	Total/NA	Water	9010B	
LLCS 500-116716/26-A	Lab Control Sample	Total/NA	Water	9010B	

Analysis Batch: 116751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116716/1-A	Method Blank	Total/NA	Water	9014	116716
LCS 500-116716/2-A	Lab Control Sample	Total/NA	Water	9014	116716
HLCS 500-116716/25-A	Lab Control Sample	Total/NA	Water	9014	116716
LLCS 500-116716/26-A	Lab Control Sample	Total/NA	Water	9014	116716
500-35412-1	MW-1	Dissolved	Water	9014	116716
500-35412-2	MW-2	Dissolved	Water	9014	116716
500-35412-3	MW-3	Dissolved	Water	9014	116716
500-35412-4	MW-4	Dissolved	Water	9014	116716
500-35412-5	MW-5	Dissolved	Water	9014	116716
500-35412-6	MW-6	Dissolved	Water	9014	116716
500-35412-7	MW-7	Dissolved	Water	9014	116716
500-35412-8	MW-8	Dissolved	Water	9014	116716
500-35412-9	MW-9	Dissolved	Water	9014	116716
500-35412-10	MW-10	Dissolved	Water	9014	116716
500-35412-11	MW-11	Dissolved	Water	9014	116716

Analysis Batch: 116893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116893/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-116893/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-35412-1	MW-1	Dissolved	Water	SM 4500 NO2 B	
500-35412-6	MW-6	Dissolved	Water	SM 4500 NO2 B	
500-35412-7	MW-7	Dissolved	Water	SM 4500 NO2 B	
500-35412-8	MW-8	Dissolved	Water	SM 4500 NO2 B	
500-35412-11	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-35412-11 MS	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-35412-11 MSD	MW-11	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 116948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-116948/3	Method Blank	Total/NA	Water	9038	
LCS 500-116948/4	Lab Control Sample	Total/NA	Water	9038	
500-35412-1	MW-1	Dissolved	Water	9038	
500-35412-2	MW-2	Dissolved	Water	9038	
500-35412-3	MW-3	Dissolved	Water	9038	

Analysis Batch: 117038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117038/3	Method Blank	Total/NA	Water	SM 4500 F C	

QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

General Chemistry (Continued)

Analysis Batch: 117038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-117038/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-35412-1	MW-1	Dissolved	Water	SM 4500 F C	

Analysis Batch: 117082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117082/3	Method Blank	Total/NA	Water	9038	
LCS 500-117082/4	Lab Control Sample	Total/NA	Water	9038	
500-35412-4	MW-4	Dissolved	Water	9038	
500-35412-5	MW-5	Dissolved	Water	9038	
500-35412-5 MS	MW-5	Dissolved	Water	9038	
500-35412-5 MSD	MW-5	Dissolved	Water	9038	
500-35412-6	MW-6	Dissolved	Water	9038	
500-35412-7	MW-7	Dissolved	Water	9038	
500-35412-8	MW-8	Dissolved	Water	9038	
500-35412-9	MW-9	Dissolved	Water	9038	
500-35412-10	MW-10	Dissolved	Water	9038	
500-35412-11	MW-11	Dissolved	Water	9038	

Analysis Batch: 117344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-10	MW-10	Dissolved	Water	9251	
500-35412-6	MW-6	Dissolved	Water	9251	
500-35412-7	MW-7	Dissolved	Water	9251	
500-35412-8	MW-8	Dissolved	Water	9251	
500-35412-9	MW-9	Dissolved	Water	9251	
500-35412-11	MW-11	Dissolved	Water	9251	
MB 500-117344/84	Method Blank	Total/NA	Water	9251	
LCS 500-117344/85	Lab Control Sample	Total/NA	Water	9251	

Analysis Batch: 117653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117653/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-117653/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-35412-2	MW-2	Dissolved	Water	SM 4500 NO3 F	
500-35412-5	MW-5	Dissolved	Water	SM 4500 NO3 F	
500-35412-1	MW-1	Dissolved	Water	SM 4500 NO3 F	
500-35412-3	MW-3	Dissolved	Water	SM 4500 NO3 F	
500-35412-4	MW-4	Dissolved	Water	SM 4500 NO3 F	
500-35412-5 MS	MW-5	Dissolved	Water	SM 4500 NO3 F	
500-35412-5 MSD	MW-5	Dissolved	Water	SM 4500 NO3 F	

Analysis Batch: 117657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-1	MW-1	Dissolved	Water	Nitrate by calc	
500-35412-2	MW-2	Dissolved	Water	Nitrate by calc	
500-35412-3	MW-3	Dissolved	Water	Nitrate by calc	
500-35412-4	MW-4	Dissolved	Water	Nitrate by calc	
500-35412-5	MW-5	Dissolved	Water	Nitrate by calc	

Analysis Batch: 117823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117823/11	Method Blank	Total/NA	Water	9251	



QC Association Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

General Chemistry (Continued)

Analysis Batch: 117823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-117823/12	Lab Control Sample	Total/NA	Water	9251	
500-35412-1	MW-1	Dissolved	Water	9251	
500-35412-2	MW-2	Dissolved	Water	9251	
500-35412-3	MW-3	Dissolved	Water	9251	
500-35412-4	MW-4	Dissolved	Water	9251	
500-35412-5	MW-5	Dissolved	Water	9251	

Analysis Batch: 117886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117886/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-117886/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-35412-2	MW-2	Dissolved	Water	SM 4500 F C	
500-35412-3	MW-3	Dissolved	Water	SM 4500 F C	
500-35412-4	MW-4	Dissolved	Water	SM 4500 F C	
500-35412-5	MW-5	Dissolved	Water	SM 4500 F C	
500-35412-6	MW-6	Dissolved	Water	SM 4500 F C	
500-35412-7	MW-7	Dissolved	Water	SM 4500 F C	
500-35412-8	MW-8	Dissolved	Water	SM 4500 F C	
500-35412-9	MW-9	Dissolved	Water	SM 4500 F C	
500-35412-10	MW-10	Dissolved	Water	SM 4500 F C	
500-35412-11	MW-11	Dissolved	Water	SM 4500 F C	

Analysis Batch: 117954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-117954/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-117954/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-35412-6	MW-6	Dissolved	Water	SM 4500 NO3 F	
500-35412-7	MW-7	Dissolved	Water	SM 4500 NO3 F	
500-35412-8	MW-8	Dissolved	Water	SM 4500 NO3 F	
500-35412-9	MW-9	Dissolved	Water	SM 4500 NO3 F	
500-35412-11	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-35412-10	MW-10	Dissolved	Water	SM 4500 NO3 F	

Analysis Batch: 117964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-35412-6	MW-6	Dissolved	Water	Nitrate by calc	
500-35412-7	MW-7	Dissolved	Water	Nitrate by calc	
500-35412-8	MW-8	Dissolved	Water	Nitrate by calc	
500-35412-9	MW-9	Dissolved	Water	Nitrate by calc	
500-35412-10	MW-10	Dissolved	Water	Nitrate by calc	
500-35412-11	MW-11	Dissolved	Water	Nitrate by calc	

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: 500-35412-1 MS Matrix: Water Analysis Batch: 117403		Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Beryllium	<0.0010		0.0500	0.0565		mg/L		113		75 - 125	
Boron	0.29		1.00	1.50		mg/L		121		75 - 125	

Lab Sample ID: 500-35412-1 MS Matrix: Water Analysis Batch: 117402		Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Lead	<0.00050		0.100	0.106		mg/L		106		75 - 125	
Thallium	<0.0020		0.100	0.102		mg/L		101		75 - 125	

Lab Sample ID: 500-35412-1 MS Matrix: Water Analysis Batch: 117563		Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Antimony	<0.0030		0.500	0.476		mg/L		95		75 - 125	
Arsenic	0.0014		0.100	0.141	F	mg/L		140		75 - 125	
Barium	0.14		0.500	0.653		mg/L		103		75 - 125	
Cadmium	<0.00050		0.0500	0.0539		mg/L		107		75 - 125	
Chromium	<0.0050		0.200	0.202		mg/L		100		75 - 125	
Cobalt	0.0010		0.500	0.513		mg/L		102		75 - 125	
Copper	0.0025		0.250	0.258		mg/L		102		75 - 125	
Iron	<0.10		1.00	1.03		mg/L		103		75 - 125	
Manganese	<0.0025		0.500	0.526		mg/L		105		75 - 125	
Nickel	0.0029		0.500	0.519		mg/L		103		75 - 125	
Selenium	<0.0025		0.100	0.163	F	mg/L		161		75 - 125	
Silver	<0.00050		0.0500	0.0391		mg/L		78		75 - 125	
Zinc	<0.020		0.500	0.586		mg/L		117		75 - 125	

Lab Sample ID: 500-35412-1 MSD Matrix: Water Analysis Batch: 117403		Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939										
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Beryllium	<0.0010		0.0500	0.0583		mg/L		117		75 - 125	3	20
Boron	0.29		1.00	1.53		mg/L		123		75 - 125	2	20

Lab Sample ID: 500-35412-1 MSD Matrix: Water Analysis Batch: 117402		Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939										
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Lead	<0.00050		0.100	0.103		mg/L		103		75 - 125	3	20
Thallium	<0.0020		0.100	0.101		mg/L		100		75 - 125	1	20



QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

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

Lab Sample ID: 500-35412-1 MSD Matrix: Water Analysis Batch: 117563			Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit	
Antimony	<0.0030		0 500	0.454		mg/L		91	75 - 125	5	20	
Arsenic	0.0014		0.100	0.139	F	mg/L		137	75 - 125	2	20	
Barium	0.14		0 500	0.635		mg/L		99	75 - 125	3	20	
Cadmium	<0.00050		0.0500	0.0535		mg/L		107	75 - 125	1	20	
Chromium	<0.0050		0 200	0.196		mg/L		97	75 - 125	3	20	
Cobalt	0.0010		0 500	0.499		mg/L		100	75 - 125	3	20	
Copper	0.0025		0 250	0.252		mg/L		100	75 - 125	3	20	
Iron	<0.10		1.00	0.991		mg/L		99	75 - 125	4	20	
Manganese	<0.0025		0 500	0.510		mg/L		102	75 - 125	3	20	
Nickel	0.0029		0 500	0.507		mg/L		101	75 - 125	2	20	
Selenium	<0.0025		0.100	0.161	F	mg/L		159	75 - 125	2	20	
Silver	<0.00050		0.0500	0.0388		mg/L		78	75 - 125	1	20	
Zinc	<0.020		0 500	0.574		mg/L		115	75 - 125	2	20	

Lab Sample ID: 500-35412-1 DU Matrix: Water Analysis Batch: 117403			Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit				
Beryllium	<0.0010		<0.0010		mg/L		NC	20				
Boron	0.29		0.278		mg/L		6	20				

Lab Sample ID: 500-35412-1 DU Matrix: Water Analysis Batch: 117402			Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit				
Lead	<0.00050		<0 00050		mg/L		NC	20				
Thallium	<0.0020		<0.0020		mg/L		NC	20				

Lab Sample ID: 500-35412-1 DU Matrix: Water Analysis Batch: 117563			Client Sample ID: MW-1 Prep Type: Dissolved Prep Batch: 116939									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit				
Antimony	<0.0030		<0.0030		mg/L		NC	20				
Arsenic	0.0014		0 00131		mg/L		4	20				
Barium	0.14		0.139		mg/L		0.3	20				
Cadmium	<0.00050		<0 00050		mg/L		NC	20				
Chromium	<0.0050		<0.0050		mg/L		NC	20				
Cobalt	0.0010		0 00102		mg/L		2	20				
Copper	0.0025		0 00250		mg/L		1	20				
Iron	<0.10		<0.10		mg/L		NC	20				
Manganese	<0.0025		<0.0025		mg/L		NC	20				
Nickel	0.0029		0 00297		mg/L		2	20				
Selenium	<0.0025		<0.0025		mg/L		NC	20				
Silver	<0.00050		<0 00050		mg/L		NC	20				
Zinc	<0.020		<0.020		mg/L		NC	20				



QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

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

Lab Sample ID: MB 500-116939/1-A Matrix: Water Analysis Batch: 117403			Client Sample ID: Method Blank Prep Type: Soluble Prep Batch: 116939						
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Beryllium	<0.0010		0.0010		mg/L		06/18/11 18:38	06/22/11 16:23	1
Boron	<0.050		0.050		mg/L		06/18/11 18:38	06/22/11 16:23	1

Lab Sample ID: MB 500-116939/1-A Matrix: Water Analysis Batch: 117402			Client Sample ID: Method Blank Prep Type: Soluble Prep Batch: 116939						
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		06/18/11 18:38	06/22/11 18:50	1
Barium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/22/11 18:50	1
Cadmium	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 18:50	1
Lead	<0.00050		0.00050		mg/L		06/18/11 18:38	06/22/11 18:50	1
Thallium	<0.0020		0.0020		mg/L		06/18/11 18:38	06/22/11 18:50	1

Lab Sample ID: MB 500-116939/1-A Matrix: Water Analysis Batch: 117563			Client Sample ID: Method Blank Prep Type: Soluble Prep Batch: 116939						
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		06/18/11 18:38	06/23/11 19:06	1
Chromium	<0.0050		0.0050		mg/L		06/18/11 18:38	06/23/11 19:06	1
Cobalt	<0.0010		0.0010		mg/L		06/18/11 18:38	06/23/11 19:06	1
Copper	<0.0020		0.0020		mg/L		06/18/11 18:38	06/23/11 19:06	1
Iron	<0.10		0.10		mg/L		06/18/11 18:38	06/23/11 19:06	1
Manganese	<0.0025		0.0025		mg/L		06/18/11 18:38	06/23/11 19:06	1
Nickel	<0.0020		0.0020		mg/L		06/18/11 18:38	06/23/11 19:06	1
Selenium	<0.0025		0.0025		mg/L		06/18/11 18:38	06/23/11 19:06	1
Silver	<0.00050		0.00050		mg/L		06/18/11 18:38	06/23/11 19:06	1
Zinc	<0.020		0.020		mg/L		06/18/11 18:38	06/23/11 19:06	1

Lab Sample ID: LCS 500-116939/2-A Matrix: Water Analysis Batch: 117403			Client Sample ID: Lab Control Sample Prep Type: Soluble Prep Batch: 116939						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.		
							Limits		
Beryllium	0.0500	0.0496		mg/L		99	80 - 120		
Boron	1.00	1.09		mg/L		109	80 - 120		

Lab Sample ID: LCS 500-116939/2-A Matrix: Water Analysis Batch: 117402			Client Sample ID: Lab Control Sample Prep Type: Soluble Prep Batch: 116939						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.		
							Limits		
Antimony	0.500	0.429		mg/L		86	80 - 120		
Barium	0.500	0.474		mg/L		95	80 - 120		
Cadmium	0.0500	0.0535		mg/L		107	80 - 120		
Lead	0.100	0.100		mg/L		100	80 - 120		
Thallium	0.100	0.0976		mg/L		98	80 - 120		

TestAmerica Chicago

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

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

Lab Sample ID: LCS 500-116939/2-A			Client Sample ID: Lab Control Sample						
Matrix: Water			Prep Type: Soluble						
Analysis Batch: 117563			Prep Batch: 116939						
Analyte	Spike		LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Result	Qualifier				Limits	
Arsenic	0.100	0.103			mg/L		103	80 - 120	
Chromium	0.200	0.206			mg/L		103	80 - 120	
Cobalt	0.500	0.535			mg/L		107	80 - 120	
Copper	0.250	0.279			mg/L		112	80 - 120	
Iron	1.00	1.05			mg/L		105	80 - 120	
Manganese	0.500	0.532			mg/L		106	80 - 120	
Nickel	0.500	0.558			mg/L		112	80 - 120	
Selenium	0.100	0.106			mg/L		106	80 - 120	
Silver	0.0500	0.0446			mg/L		89	80 - 120	
Zinc	0.500	0.593			mg/L		119	80 - 120	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-116722/7-A			Client Sample ID: Method Blank						
Matrix: Water			Prep Type: Total/NA						
Analysis Batch: 116852			Prep Batch: 116722						
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020	^	0.00020		mg/L		06/16/11 11:22	06/17/11 10:36	1

Lab Sample ID: LCS 500-116722/8-A			Client Sample ID: Lab Control Sample						
Matrix: Water			Prep Type: Total/NA						
Analysis Batch: 116852			Prep Batch: 116722						
Analyte	Spike		LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Result	Qualifier				Limits	
Mercury	0.00200	0.00204		^	mg/L		102	80 - 120	

Lab Sample ID: MB 500-116723/7-A			Client Sample ID: Method Blank						
Matrix: Water			Prep Type: Total/NA						
Analysis Batch: 116852			Prep Batch: 116723						
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020		mg/L		06/16/11 11:22	06/17/11 11:26	1

Lab Sample ID: LCS 500-116723/8-A			Client Sample ID: Lab Control Sample						
Matrix: Water			Prep Type: Total/NA						
Analysis Batch: 116852			Prep Batch: 116723						
Analyte	Spike		LCS	LCS	Unit	D	% Rec	% Rec.	
	Added	Result	Result	Qualifier				Limits	
Mercury	0.00200	0.00233			mg/L		117	80 - 120	

Lab Sample ID: 500-35412-6 MS			Client Sample ID: MW-6							
Matrix: Water			Prep Type: Dissolved							
Analysis Batch: 116852			Prep Batch: 116723							
Analyte	Sample Sample		Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	
Mercury	<0.00020		0.00100	0.000982	mg/L		98	75 - 125		

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

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

Lab Sample ID: 500-35412-6 MSD										Client Sample ID: MW-6		
Matrix: Water										Prep Type: Dissolved		
Analysis Batch: 116852										Prep Batch: 116723		
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Mercury	<0.00020		0.00100	0.000987		mg/L		99	75 - 125	1	20	

Lab Sample ID: 500-35412-6 DU										Client Sample ID: MW-6		
Matrix: Water										Prep Type: Dissolved		
Analysis Batch: 116852										Prep Batch: 116723		
Analyte	Sample	Sample	DU	DU	Unit	D	% Rec	RPD	Limit			
	Result	Qualifier	Result	Qualifier				RPD	Limit			
Mercury	<0.00020		<0	00020	mg/L			NC	20			

Method: 9014 - Cyanide

Lab Sample ID: MB 500-116716/1-A										Client Sample ID: Method Blank		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 116751										Prep Batch: 116716		
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analized	Dil Fac			
	Result	Qualifier	Result	Result	mg/L			06/16/11 15:50	06/16/11 19:35	1		
Cyanide, Total	<0.010		0.010		mg/L		06/16/11 15:50	06/16/11 19:35	1			

Lab Sample ID: HLCS 500-116716/25-A										Client Sample ID: Lab Control Sample		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 116751										Prep Batch: 116716		
Analyte	Spike	HLCS	HLCS	Unit	D	% Rec	% Rec.	Limits				
	Added	Result	Qualifier				Limits					
Cyanide, Total	0.400	0.407		mg/L		102	90 - 110					

Lab Sample ID: LCS 500-116716/2-A										Client Sample ID: Lab Control Sample		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 116751										Prep Batch: 116716		
Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.	Limits				
	Added	Result	Qualifier				Limits					
Cyanide, Total	0.100	0.106		mg/L		106	80 - 120					

Lab Sample ID: LLCS 500-116716/26-A										Client Sample ID: Lab Control Sample		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 116751										Prep Batch: 116716		
Analyte	Spike	LLCS	LLCS	Unit	D	% Rec	% Rec.	Limits				
	Added	Result	Qualifier				Limits					
Cyanide, Total	0.0400	0.0419		mg/L		105	75 - 125					

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-116948/3										Client Sample ID: Method Blank		
Matrix: Water										Prep Type: Total/NA		
Analysis Batch: 116948												
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analized	Dil Fac			
	Result	Qualifier	Result	Result	mg/L			06/17/11 10:03	1			
Sulfate	<5.0		5.0		mg/L		06/17/11 10:03		1			

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: LCS 500-116948/4				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 116948								
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate		20.0	19.0		mg/L		95	80 - 120

Lab Sample ID: MB 500-117082/3				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 117082									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			06/21/11 01:08	1

Lab Sample ID: LCS 500-117082/4				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 117082								
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate		20.0	19.2		mg/L		96	80 - 120

Lab Sample ID: 500-35412-5 MS				Client Sample ID: MW-5					
Matrix: Water				Prep Type: Dissolved					
Analysis Batch: 117082									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate	100		200	302		mg/L		100	75 - 125

Lab Sample ID: 500-35412-5 MSD				Client Sample ID: MW-5							
Matrix: Water				Prep Type: Dissolved							
Analysis Batch: 117082											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Sulfate	100		200	312		mg/L		105	75 - 125	3	20

Method: 9251 - Chloride

Lab Sample ID: MB 500-117344/84				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 117344									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/22/11 14:36	1

Lab Sample ID: LCS 500-117344/85				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 117344								
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride		60.0	54.4		mg/L		91	80 - 120



QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method: 9251 - Chloride (Continued)

Lab Sample ID: MB 500-117823/11		Client Sample ID: Method Blank							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 117823									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			06/27/11 13:37	1

Lab Sample ID: LCS 500-117823/12		Client Sample ID: Lab Control Sample							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 117823									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Chloride	50.0	54.7		mg/L		109	80 - 120		

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

Lab Sample ID: MB 500-116645/1		Client Sample ID: Method Blank							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 116645									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			06/15/11 22:20	1

Lab Sample ID: LCS 500-116645/2		Client Sample ID: Lab Control Sample							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 116645									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Total Dissolved Solids	250	240		mg/L		96	80 - 120		

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-117038/3		Client Sample ID: Method Blank							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 117038									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			06/20/11 12:31	1

Lab Sample ID: LCS 500-117038/4		Client Sample ID: Lab Control Sample							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 117038									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits		
Fluoride	10.0	10.1		mg/L		101	80 - 120		

Lab Sample ID: MB 500-117886/3		Client Sample ID: Method Blank							
Matrix: Water		Prep Type: Total/NA							
Analysis Batch: 117886									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			06/27/11 15:00	1



QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-117886/4
 Matrix: Water
 Analysis Batch: 117886

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Fluoride	10.0	10.2		mg/L		102	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-116696/3
 Matrix: Water
 Analysis Batch: 116696

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/15/11 18:15	1

Lab Sample ID: LCS 500-116696/4
 Matrix: Water
 Analysis Batch: 116696

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrogen, Nitrite	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: MB 500-116893/3
 Matrix: Water
 Analysis Batch: 116893

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			06/16/11 07:20	1

Lab Sample ID: LCS 500-116893/4
 Matrix: Water
 Analysis Batch: 116893

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrogen, Nitrite	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: 500-35412-11 MS
 Matrix: Water
 Analysis Batch: 116893

Client Sample ID: MW-11
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0883		mg/L		88	75 - 125

Lab Sample ID: 500-35412-11 MSD
 Matrix: Water
 Analysis Batch: 116893

Client Sample ID: MW-11
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	Limit
Nitrogen, Nitrite	<0.020		0.100	0.0926		mg/L		93	75 - 125	5	20

QC Sample Results

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-117653/12						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 117653									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			06/24/11 13:43	1

Lab Sample ID: LCS 500-117653/13						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 117653									
Analyte	Spike		LCS LCS		Unit	D	% Rec	% Rec.	
	Added	Result	Result	Qualifier				Limits	
Nitrogen, Nitrate Nitrite	1.00		1.04		mg/L		104	80 - 120	

Lab Sample ID: MB 500-117954/12						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 117954									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			06/28/11 11:41	1

Lab Sample ID: LCS 500-117954/13						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 117954									
Analyte	Spike		LCS LCS		Unit	D	% Rec	% Rec.	
	Added	Result	Result	Qualifier				Limits	
Nitrogen, Nitrate Nitrite	1.00		1.02		mg/L		102	80 - 120	

Lab Sample ID: 500-35412-5 MS						Client Sample ID: MW-5				
Matrix: Water						Prep Type: Dissolved				
Analysis Batch: 117653										
Analyte	Sample Sample		Spike	MS MS		Unit	D	% Rec	% Rec.	
	Result	Qualifier		Added	Result				Qualifier	Limits
Nitrogen, Nitrate Nitrite	1.3		1.00	2.26		mg/L		97	75 - 125	

Lab Sample ID: 500-35412-5 MSD						Client Sample ID: MW-5					
Matrix: Water						Prep Type: Dissolved					
Analysis Batch: 117653											
Analyte	Sample Sample		Spike	MSD MSD		Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Added	Result				Qualifier	Limits	
Nitrogen, Nitrate Nitrite	1.3		1.00	2.23		mg/L		94	75 - 125	1	20



Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-35412-1

Login Number: 35412

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

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

Certification Summary

Client: Midwest Generation EME LLC
 Project/Site: Midwest Generation Joliet Groundwater

TestAmerica Job ID: 500-35412-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	ACCLASS	DoD ELAP		ADE-1429
TestAmerica Chicago	ACCLASS	ISO/IEC 17025		AT-1428
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-09-00027
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.



Quarterly Groundwater Monitoring Results –Second Quarter 2011
Joliet #29 Generating Station- Ash Impoundment
August 1, 2011

ANALYTICAL RESULTS

After collection, all samples were immediately placed on ice in a cooler and kept at a temperature no higher than 4° F. The samples were transported to TestAmerica Laboratories, an Illinois-EPA accredited analytical laboratory, in accordance with chain-of-custody procedures to maintain sample integrity. Analytes tested included the inorganic compounds listed in 35 Illinois Administrative Code (IAC) 620.410(a), excluding both radium and the poly-aromatic hydrocarbons (PAHs) listed in 35 IAC 620.410(b). Analytical laboratory results are presented in Table 3 (both current and historical). The laboratory analytical reports provided by TestAmerica Laboratories are provided as Attachment A.

In accordance with the long-term monitoring plan, groundwater samples from the ash pond wells at the Joliet #29 facility will continue to be collected, analyzed, and reported to Illinois EPA on a quarterly basis until sufficient statistically-significant data is available to properly assess the groundwater data.

If you have any questions, please contact me at 630-795-7464.

Sincerely,

PATRICK ENGINEERING INC.

Richard M. Frendt, P.E
Senior Project Manager

RMF/dcm

Enclosures: Figure 1: Site Location Map
Figure 2: Monitoring Well Location Map
Figure 3: Groundwater Elevation Map
Table 1: Field Parameter Data
Table 2: Groundwater Elevation Survey Data
Table 3: Groundwater Analytical Results
Attachment A: Laboratory Data

