



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  
Will County Generating Station- Ash Impoundment

Reference: Patrick Project No. 21153.033

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 Will County Generating Station located at 529 East 135<sup>th</sup> Street in Romeoville, 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 ten monitoring wells (MW-1 through MW-10) surrounding the ash impoundments at the Will County facility. The well locations are shown on Figure 2. These wells were most recently sampled on June 15, 2011.

The groundwater elevation in each of the ten wells was measured prior to sampling. Groundwater samples were collected from each well with a peristaltic pump, using established low-flow sampling techniques. 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.

### **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

Quarterly Groundwater Monitoring Results – Second Quarter 2011  
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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 Will County 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,

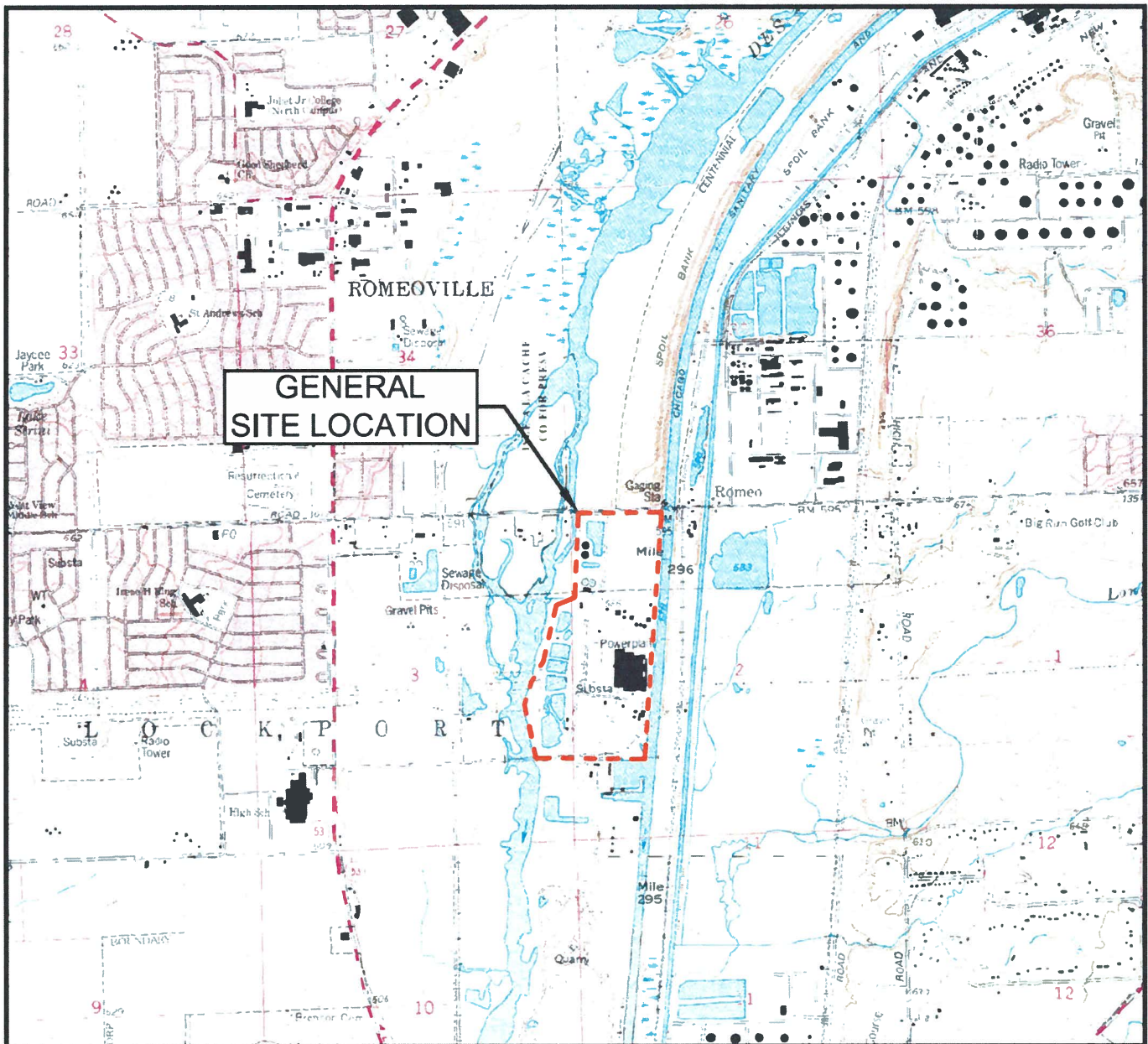
**PATRICK ENGINEERING INC.**

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

**FIGURE 1**  
**SITE LOCATION MAP**



**LEGEND**

--- SITE BOUNDARY



**GRAPHIC SCALE**

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

Date: **JUNE 2011**

Proj No.: **21153.017**

App. By: **RMF**

**FIGURE 1  
SITE LOCATION MAP**

**WILL COUNTY STATION  
ROMEOVILLE, ILLINOIS**

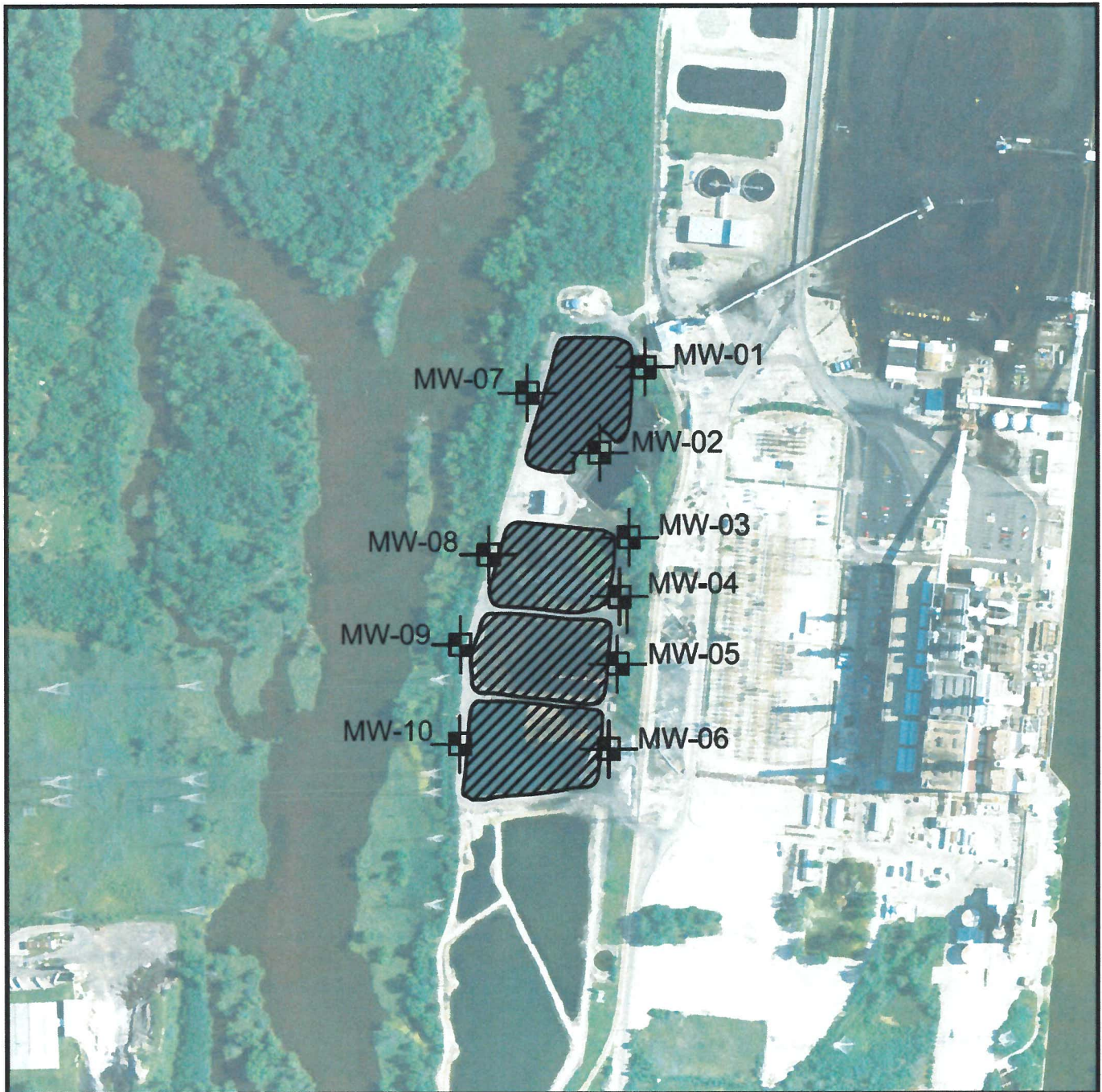
**PATRICK  
ENGINEERING INC.**

4970 Varsity Drive  
Lisle, Illinois 60532-4101

TEL (630) 795-7200  
FAX (630) 724-1681

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000409

**FIGURE 2**  
**MONITORING WELL LOCATION MAP**



**LEGEND**

-  MW-01 Monitoring Well Location
-  Ash Ponds

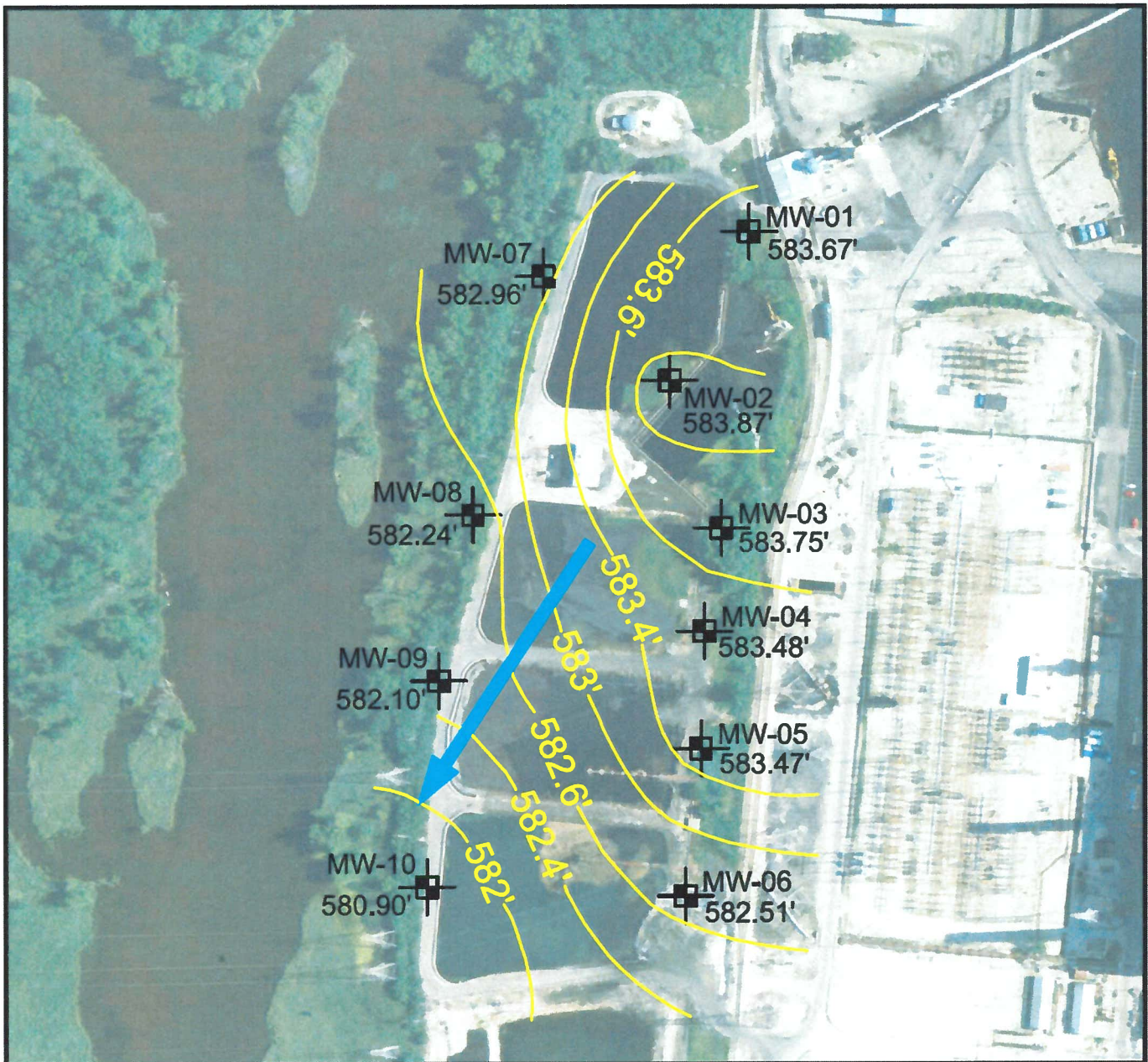
AERIAL IMAGE SOURCE:  
LANDISCOR AERIAL INFORMATION INC., JULY 2008



1" = 600'

|                                   |  |   |
|-----------------------------------|--|---|
| <p><b>Date:</b> JUNE 2011</p>     | <p align="center"><b>FIGURE 2</b><br/>MONITORING WELL LOCATION MAP<br/>WILL COUNTY STATION<br/>ROMEIOVILLE, ILLINOIS</p> | <p align="center"><b>PATRICK</b><br/><b>ENGINEERING INC.</b></p> <p>4970 Varsity Drive<br/>Lisle, Illinois 60532-4101<br/>PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000409</p> <p align="right">TEL. (630) 795-7200<br/>FAX (630) 724-1681</p> |
| <p><b>Proj No.:</b> 21153.017</p> |  |   |
| <p><b>App. By:</b> RMF</p>        |  |   |

**FIGURE 3**  
**GROUNDWATER ELEVATION MAP**



**LEGEND**

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

 582' GROUNDWATER ELEVATION CONTOUR (FT. / MSL)

 GROUNDWATER FLOW DIRECTION



1" = 400'

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

Date: JUNE 2011

Proj No.: 21153.017

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FIGURE 3  
GROUNDWATER ELEVATION MAP  
WILL COUNTY STATION  
ROMEOVILLE, ILLINOIS

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**TABLE 1**  
**FIELD PARAMETER DATA**

Table 1  
**Field Parameter Data**  
 Will County Station, Romeoville, Illinois  
 Midwest Generation  
 21153.017



|  <b>Field Parameter Data - Will County Station</b> |           |       |                  |                                    |                 |      |           |          |
|---|-----------|-------|------------------|------------------------------------|-----------------|------|-----------|----------|
| Monitoring Well   | Date      | Time  | Temperature (°C) | Conductivity (ms/cm <sup>2</sup> ) | Turbidity (NTU) | pH   | DO (mg/L) | ORP (mV) |
| MW-1  | 3/28/2011 | 11:08 | 10.71            | 1.78                               | 14.0            | 8.20 | 2.00      | -169.4   |
| MW-1  | 3/28/2011 | 11:10 | 10.69            | 1.78                               | 21.1            | 8.11 | 1.02      | -171.6   |
| MW-1  | 3/28/2011 | 11:12 | 10.77            | 1.77                               | 19.5            | 8.08 | 0.65      | -171.6   |
| MW-1  | 3/28/2011 | 11:14 | 10.68            | 1.77                               | 16.5            | 8.07 | 0.48      | -173.3   |
| MW-1  | 3/28/2011 | 11:16 | 10.73            | 1.77                               | 56.8            | 8.06 | 0.54      | -171.5   |
| MW-1  | 3/28/2011 | 11:18 | 10.74            | 1.76                               | 48.9            | 8.05 | 0.40      | -174.0   |
| MW-1  | 3/28/2011 | 11:20 | 10.74            | 1.76                               | 63.6            | 8.05 | 0.34      | -174.1   |
| MW-1  | 6/15/2011 | 11:58 | 15.08            | 1.56                               | 7.57            | 7.71 | 0.90      | 132      |
| MW-1  | 6/15/2011 | 12:00 | 14.96            | 1.57                               | 7.32            | 7.41 | 0.15      | 98.8     |
| MW-1  | 6/15/2011 | 12:02 | 14.95            | 1.57                               | 7.49            | 7.29 | 0.10      | 82.2     |
| MW-1  | 6/15/2011 | 12:04 | 14.96            | 1.56                               | 7.56            | 7.27 | 0.08      | 68.6     |
| MW-1  | 6/15/2011 | 12:09 | 14.92            | 1.55                               | 7.80            | 7.28 | 0.07      | 55.5     |
| MW-1  | 6/15/2011 | 12:08 | 14.96            | 1.55                               | 7.28            | 7.28 | 0.07      | 49.2     |
| MW-2  | 3/28/2011 | 12:00 | 13.62            | 1.65                               | 7.2             | 8.58 | 1.93      | -124.8   |
| MW-2  | 3/28/2011 | 12:02 | 13.75            | 1.64                               | 8.1             | 8.58 | 0.96      | -134.9   |
| MW-2  | 3/28/2011 | 12:04 | 13.53            | 1.64                               | 17.9            | 8.61 | 0.50      | -145.1   |
| MW-2  | 3/28/2011 | 12:06 | 13.64            | 1.64                               | 44.0            | 8.61 | 0.25      | -149.9   |
| MW-2  | 3/28/2011 | 12:08 | 13.56            | 1.64                               | 16.0            | 8.61 | 0.32      | -151.5   |
| MW-2  | 3/28/2011 | 12:10 | 13.56            | 1.64                               | 57.7            | 8.62 | 0.19      | -154.9   |
| MW-2  | 6/15/2011 | 11:14 | 16.56            | 1.58                               | 4.18            | 8.24 | 1.06      | 131.1    |
| MW-2  | 6/15/2011 | 11:16 | 16.14            | 1.55                               | 4.55            | 8.06 | 0.17      | 105.2    |
| MW-2  | 6/15/2011 | 11:18 | 16.11            | 1.55                               | 4.44            | 8.00 | 0.11      | 95.7     |
| MW-2  | 6/15/2011 | 11:20 | 15.97            | 1.55                               | 4.41            | 7.99 | 0.09      | 80.0     |
| MW-2  | 6/15/2011 | 11:22 | 15.89            | 1.55                               | 4.33            | 7.99 | 0.07      | 69.1     |
| MW-2  | 6/15/2011 | 11:24 | 15.90            | 1.54                               | 4.20            | 8.00 | 0.07      | 63.0     |
| MW-3  | 3/28/2011 | 12:40 | 9.93             | 1.70                               | 2.6             | 7.82 | 1.68      | -145.0   |
| MW-3  | 3/28/2011 | 12:42 | 9.85             | 1.70                               | 2.8             | 7.79 | 0.85      | -149.3   |
| MW-3  | 3/28/2011 | 12:44 | 9.94             | 1.69                               | 3.9             | 7.77 | 0.61      | -154.7   |
| MW-3  | 3/28/2011 | 12:46 | 9.91             | 1.69                               | 4.0             | 7.75 | 0.34      | -155.1   |
| MW-3  | 3/28/2011 | 12:48 | 9.88             | 1.69                               | 4.0             | 7.74 | 0.24      | -157.1   |
| MW-3  | 3/28/2011 | 12:50 | 9.89             | 1.69                               | 10.2            | 7.72 | 0.18      | 157.3    |
| MW-3  | 6/15/2011 | 13:05 | 14.19            | 1.46                               | 10.00           | 7.01 | 3.15      | 115.5    |
| MW-4  | 3/29/2011 | 8:58  | 9.91             | 3.28                               | 4.6             | 8.17 | 2.57      | -233.0   |
| MW-4  | 3/29/2011 | 9:00  | 10.00            | 3.36                               | 5.0             | 7.74 | 1.07      | -224.7   |
| MW-4  | 3/29/2011 | 9:02  | 10.06            | 3.37                               | 9.6             | 7.66 | 1.21      | -225.9   |
| MW-4  | 3/29/2011 | 9:04  | 10.09            | 3.37                               | 6.6             | 7.59 | 0.73      | -228.5   |
| MW-4  | 3/29/2011 | 9:06  | 10.20            | 3.38                               | 11.8            | 7.71 | 0.53      | -232.4   |
| MW-4  | 3/29/2011 | 9:08  | 10.18            | 3.39                               | 11.9            | 7.66 | 0.73      | -235.2   |
| MW-4  | 6/15/2011 | 13:30 | 13.86            | 3.51                               | 8.81            | 7.23 | 2.72      | 44.8     |
| MW-5  | 3/28/2011 | 9:38  | 7.63             | 1.91                               | 14.2            | 9.27 | 6.50      | -178.1   |
| MW-5  | 3/28/2011 | 9:40  | 7.38             | 1.90                               | 50.5            | 9.55 | 4.14      | -171.1   |
| MW-5  | 3/28/2011 | 9:42  | 7.90             | 1.90                               | 50.9            | 9.47 | 3.73      | -165.4   |
| MW-5  | 3/28/2011 | 9:44  | 7.99             | 1.93                               | 36.0            | 9.59 | 3.61      | -162.1   |
| MW-5  | 3/28/2011 | 9:46  | 7.96             | 1.93                               | 40.9            | 9.39 | 3.64      | -159.3   |
| MW-5  | 3/28/2011 | 9:48  | 7.95             | 1.93                               | 104.0           | 9.51 | 3.81      | -156.4   |
| MW-5  | 6/15/2011 | 12:40 | 14.62            | 1.97                               | 7.92            | 7.44 | 3.22      | 173.2    |
| MW-6  | 3/29/2011 | 9:30  | 9.87             | 1.62                               | 10.9            | 9.44 | 1.84      | -224.9   |
| MW-6  | 3/29/2011 | 9:32  | 10.08            | 1.63                               | 18.3            | 9.61 | 1.07      | -226.5   |
| MW-6  | 3/29/2011 | 9:34  | 9.98             | 1.63                               | 52.9            | 9.58 | 0.86      | -234.0   |
| MW-6  | 3/29/2011 | 9:36  | 10.15            | 1.63                               | 64.5            | 9.40 | 0.63      | -235.1   |
| MW-6  | 3/29/2011 | 9:38  | 10.00            | 1.63                               | 101.5           | 9.45 | 0.52      | -238.7   |
| MW-6  | 3/29/2011 | 9:40  | 10.01            | 1.63                               | 86.1            | 9.65 | 0.54      | -239.1   |
| MW-6  | 6/15/2011 | 7:26  | 13.76            | 1.71                               | 3.10            | 9.31 | 0.83      | 156.5    |
| MW-6  | 6/15/2011 | 7:28  | 13.64            | 1.69                               | 2.22            | 9.25 | 0.25      | 125.7    |
| MW-6  | 6/15/2011 | 7:30  | 13.62            | 1.69                               | 2.24            | 9.23 | 0.12      | 100.3    |
| MW-6  | 6/15/2011 | 7:32  | 13.62            | 1.69                               | 2.13            | 9.26 | 0.14      | 82.6     |
| MW-6  | 6/15/2011 | 7:34  | 13.63            | 1.69                               | 1.89            | 9.25 | 0.13      | 67.7     |
| MW-6  | 6/15/2011 | 7:36  | 13.63            | 1.69                               | 1.65            | 9.27 | 0.12      | 54.4     |

Table 1  
**Field Parameter Data**  
 Will County Station, Romeoville, Illinois  
 Midwest Generation  
 21153.017


|  <b>Field Parameter Data - Will County Station</b> |           |       |                  |                                    |                 |       |           |          |
|---|-----------|-------|------------------|------------------------------------|-----------------|-------|-----------|----------|
| Monitoring Well   | Date      | Time  | Temperature (°C) | Conductivity (ms/cm <sup>2</sup> ) | Turbidity (NTU) | pH    | DO (mg/L) | ORP (mV) |
| MW-7  | 3/28/2011 | 10:56 | 11.48            | 2.09                               | 14.7            | 8.73  | 3.07      | -258.8   |
| MW-7  | 3/28/2011 | 10:58 | 11.46            | 2.11                               | 36.9            | 8.78  | 1.32      | -263.9   |
| MW-7  | 3/28/2011 | 11:00 | 11.54            | 2.12                               | 66.3            | 8.79  | 0.99      | -274.2   |
| MW-7  | 3/28/2011 | 11:02 | 11.60            | 2.12                               | 95.3            | 8.78  | 0.57      | -269.5   |
| MW-7  | 3/28/2011 | 11:04 | 11.65            | 2.12                               | 162.3           | 8.80  | 0.41      | -276.4   |
| MW-7  | 3/28/2011 | 11:06 | 11.80            | 2.12                               | 286.5           | 8.79  | 0.43      | -277.2   |
| MW-7  | 6/15/2011 | 9:24  | 14.39            | 1.73                               | 15.64           | 8.63  | 1.01      | 107      |
| MW-7  | 6/15/2011 | 9:26  | 14.18            | 1.78                               | 14.83           | 8.54  | 0.21      | -43.6    |
| MW-7  | 6/15/2011 | 9:28  | 14.18            | 1.85                               | 14.21           | 8.39  | 0.15      | -107.8   |
| MW-7  | 6/15/2011 | 9:30  | 14.18            | 1.96                               | 13.17           | 8.26  | 0.11      | -129.6   |
| MW-7  | 6/15/2011 | 9:32  | 14.16            | 2.04                               | 12.80           | 8.17  | 0.09      | -133.3   |
| MW-7  | 6/15/2011 | 9:34  | 14.23            | 2.08                               | 12.59           | 8.13  | 0.08      | -135.2   |
| MW-8  | 3/29/2011 | 10:18 | 9.28             | 2.00                               | 28.5            | 8.53  | 2.93      | -237.4   |
| MW-8  | 3/29/2011 | 10:20 | 9.50             | 1.99                               | 21.3            | 8.31  | 1.32      | -253.6   |
| MW-8  | 3/29/2011 | 10:22 | 9.59             | 1.98                               | 209.8           | 8.23  | 0.87      | -252.6   |
| MW-8  | 3/29/2011 | 10:24 | 9.59             | 1.98                               | 132.0           | 8.20  | 0.46      | -252.6   |
| MW-8  | 3/29/2011 | 10:26 | 9.61             | 1.98                               | 130.5           | 8.18  | 0.41      | -249.1   |
| MW-8  | 3/29/2011 | 10:28 | 9.51             | 1.96                               | 189.8           | 8.17  | 0.51      | -254.6   |
| MW-8  | 6/15/2011 | 8:46  | 13.57            | 1.76                               | 22.42           | 7.84  | 1.80      | 1.2      |
| MW-8  | 6/15/2011 | 8:48  | 13.37            | 1.76                               | 22.53           | 7.63  | 0.63      | -47.6    |
| MW-8  | 6/15/2011 | 8:50  | 13.31            | 1.76                               | 22.31           | 7.51  | 0.48      | -53.9    |
| MW-8  | 6/15/2011 | 8:52  | 13.27            | 1.76                               | 22.10           | 7.47  | 0.48      | -57.7    |
| MW-8  | 6/15/2011 | 8:54  | 13.29            | 1.76                               | 22.44           | 7.47  | 0.50      | -59.4    |
| MW-8  | 6/15/2011 | 8:56  | 13.28            | 1.76                               | 22.66           | 7.47  | 0.50      | -62.2    |
| MW-9  | 3/29/2011 | 11:42 | 11.15            | 1.78                               | 88.4            | 10.74 | 1.73      | -284.9   |
| MW-9  | 3/29/2011 | 11:44 | 11.12            | 1.76                               | 134.1           | 10.84 | 0.82      | -290.2   |
| MW-9  | 3/29/2011 | 11:46 | 11.33            | 1.75                               | 195.0           | 10.92 | 0.61      | -292.7   |
| MW-9  | 3/29/2011 | 11:48 | 11.35            | 1.75                               | 189.0           | 10.91 | 0.42      | -292.6   |
| MW-9  | 3/29/2011 | 11:50 | 11.22            | 1.75                               | 23.4            | 10.88 | 0.39      | -290.9   |
| MW-9  | 3/29/2011 | 11:52 | 11.33            | 1.75                               | 86.6            | 10.87 | 0.27      | -289.3   |
| MW-9  | 6/15/2011 | 10:08 | 15.06            | 1.56                               | 16.71           | 10.12 | 3.23      | 121.4    |
| MW-9  | 6/15/2011 | 10:10 | 14.51            | 1.52                               | 16.50           | 10.52 | 0.20      | 92.3     |
| MW-9  | 6/15/2011 | 10:12 | 14.52            | 1.52                               | 16.49           | 10.52 | 0.14      | 88.2     |
| MW-9  | 6/15/2011 | 10:14 | 14.55            | 1.52                               | 16.34           | 10.51 | 0.09      | 82.8     |
| MW-9  | 6/15/2011 | 10:16 | 14.49            | 1.52                               | 15.32           | 10.51 | 0.08      | 80.7     |
| MW-9  | 6/15/2011 | 10:18 | 14.55            | 1.52                               | 15.40           | 10.44 | 0.07      | 79.8     |
| MW-10   | 3/28/2011 | 10:14 | 10.39            | 1.48                               | 32.4            | 8.17  | 2.68      | -197.9   |
| MW-10   | 3/28/2011 | 10:16 | 10.51            | 1.48                               | 61.1            | 8.06  | 1.25      | -206.4   |
| MW-10   | 3/28/2011 | 10:18 | 10.53            | 1.47                               | 190.8           | 8.16  | 0.93      | -202.6   |
| MW-10   | 3/28/2011 | 10:20 | 10.58            | 1.47                               | 213.7           | 8.14  | 0.49      | -204.8   |
| MW-10   | 3/28/2011 | 10:22 | 10.62            | 1.47                               | 174.3           | 8.13  | 0.39      | -203.4   |
| MW-10   | 3/28/2011 | 10:24 | 10.51            | 1.47                               | 173.9           | 8.14  | 0.42      | -208.0   |
| MW-10   | 6/15/2011 | 8:06  | 13.52            | 1.54                               | 7.90            | 7.94  | 3.52      | -45.9    |
| MW-10   | 6/15/2011 | 8:08  | 13.36            | 1.52                               | 7.81            | 7.65  | 0.26      | -81.2    |
| MW-10   | 6/15/2011 | 8:10  | 13.32            | 1.52                               | 7.84            | 7.57  | 0.15      | -82.4    |
| MW-10   | 6/15/2011 | 8:12  | 13.33            | 1.51                               | 7.77            | 7.5   | 0.09      | -85.8    |
| MW-10   | 6/15/2011 | 8:14  | 13.33            | 1.51                               | 7.43            | 7.49  | 0.08      | -87.8    |
| MW-10   | 6/15/2011 | 8:16  | 13.34            | 1.51                               | 7.78            | 7.53  | 0.08      | -88.7    |

Notes:

- °C degrees Celsius
- ms/cm<sup>2</sup> Microsiemens/Centimeters
- NTU Nephelometric Turbidity Units
- mg/L milligrams/Liter
- mV milliVolts

**TABLE 2**  
**GROUNDWATER ELEVATION SURVEY DATA**

Table 2  
 Groundwater Elevation Survey Data  
 Will County Station, Romeoville, Illinois  
 Midwest Generation  
 21153.017

|  PATRICK ENGINEERING | 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 |
|---|-----------|-----------------|--------------------------|-----------------------------|------------------------------|-------------------------|--------------------------|------------------|------------------------|
| <b>MONITORING WELL</b>  |           |                 |                          |                             |                              |                         |                          |                  |                        |
| MW-1  | 3/28/2011 | 583.411         | 9.54                     | 9.54                        | 583.411                      | 22.00                   | 570.951                  | 589.809          | 592.951                |
| MW-1  | 6/15/2011 | 583.671         | 9.28                     | 9.30                        | 583.651                      | 22.00                   | 570.951                  | 589.809          | 592.951                |
| MW-2  | 3/28/2011 | 583.552         | 10.44                    | 10.45                       | 583.542                      | 25.37                   | 568.622                  | 590.621          | 593.992                |
| MW-2  | 6/15/2011 | 583.872         | 10.12                    | 10.14                       | 583.852                      | 25.37                   | 568.622                  | 590.621          | 593.992                |
| MW-3  | 3/28/2011 | 583.486         | 10.02                    | 10.02                       | 583.486                      | 19.77                   | 573.736                  | 590.503          | 593.506                |
| MW-3  | 6/15/2011 | 583.756         | 9.75                     | 9.84                        | 583.666                      | 19.77                   | 573.736                  | 590.503          | 593.506                |
| MW-4  | 3/29/2011 | 583.279         | 10.97                    | 10.99                       | 583.259                      | 22.48                   | 571.769                  | 591.215          | 594.249                |
| MW-4  | 6/15/2011 | 583.489         | 10.76                    | 10.77                       | 583.479                      | 22.48                   | 571.769                  | 591.215          | 594.249                |
| MW-5  | 3/29/2011 | 583.331         | 9.54                     | 9.54                        | 583.331                      | 22.07                   | 570.801                  | 589.602          | 592.871                |
| MW-5  | 6/15/2011 | 583.471         | 9.40                     | 9.42                        | 583.451                      | 22.07                   | 570.801                  | 589.602          | 592.871                |
| MW-6  | 3/28/2011 | 582.388         | 10.58                    | 10.60                       | 582.368                      | 21.15                   | 571.818                  | 589.772          | 592.968                |
| MW-6  | 6/15/2011 | 582.518         | 10.45                    | 10.45                       | 582.518                      | 21.15                   | 571.818                  | 589.772          | 592.968                |
| MW-7  | 3/29/2011 | 582.790         | 10.09                    | 10.11                       | 582.770                      | 20.81                   | 572.070                  | 589.550          | 592.880                |
| MW-7  | 6/15/2011 | 582.960         | 9.92                     | 9.94                        | 582.940                      | 20.81                   | 572.070                  | 589.550          | 592.880                |
| MW-8  | 3/29/2011 | 582.493         | 10.22                    | 10.23                       | 582.483                      | 20.21                   | 572.503                  | 589.641          | 592.713                |
| MW-8  | 6/15/2011 | 582.243         | 10.47                    | 10.49                       | 582.223                      | 20.21                   | 572.503                  | 589.641          | 592.713                |
| MW-9  | 3/29/2011 | 583.740         | 9.10                     | 9.13                        | 583.710                      | 22.18                   | 570.660                  | 589.756          | 592.840                |
| MW-9  | 6/15/2011 | 582.810         | 10.03                    | 10.33                       | 582.510                      | 22.18                   | 570.660                  | 589.756          | 592.840                |
| MW-10   | 3/28/2011 | 581.132         | 9.85                     | 10.31                       | 580.672                      | 19.53                   | 571.452                  | 591.314          | 590.982                |
| MW-10   | 6/15/2011 | 580.902         | 10.08                    | 10.52                       | 580.462                      | 19.53                   | 571.452                  | 591.314          | 590.982                |

-Survey data taken on 12/6/10  
 - Elevations are shown in feet

**TABLE 3**  
**GROUNDWATER ANALYTICAL RESULTS**

Table 3  
Groundwater Analytical Results  
Will County, Illinois  
Midwest Generation  
21153.017

| Chemical Name            | Sample Analysis Method | Groundwater Quality Standard (mg/L)<br>Class I* | MW-1               |                   | MW-2               |                   | MW-3               |                   | MW-4               |                   |                   |       |
|--------------------------|------------------------|---|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|-------------------|-------|
|                          |                        |   | (mg/L)<br>12/13/10 | (mg/L)<br>3/28/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/28/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/28/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/29/11 | (mg/L)<br>6/15/11 |       |
| Antimony                 | Metals 6020            | 0.006   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                | ND    |
| Arsenic                  | Metals 6020            | 0.05  | ND                 | ND                | 0.0052             | 0.0032            | ND                 | 0.002             | 0.0024             | 0.0027            | 0.0016            | ND    |
| Barium                   | Metals 6020            | 2.0   | 0.05               | 0.046             | 0.061              | 0.068             | 0.084              | 0.086             | 0.071              | 0.068             | 0.062             | 0.05  |
| 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                 | ND                | ND                 | 0.0022            | ND                 | 0.0011            | 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                 | 0.37              | 0.57               | ND                | 0.83              | 0.7   |
| 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  | 0.2                | 0.15              | 0.032              | 0.032             | 0.043              | 0.34              | 0.31               | 0.52              | 0.58              | 0.7   |
| 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                 | ND                | ND                 | 0.0034            | 0.0037             | 0.0048            | 0.0041            | ND    |
| Selenium                 | Metals 6020            | 0.05  | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                | 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    |
| Zinc                     | Metals 6020            | 5.0   | 1.8                | 1.6               | 1.8                | 1.7               | 2.3                | 2.7               | 2.4                | 3.7               | 3.3               | 3.6   |
| Boron                    | Metals 6020            | 2   | 1.8                | 1.6               | 1.8                | 1.7               | 2.3                | 2.7               | 2.4                | 3.7               | 3.3               | 3.6   |
| Sulfate                  | Dissolved 9038         | 400   | 530                | 390               | 280                | 280               | 400                | 330               | 270                | 240               | 1,500             | 1,600 |
| Chloride                 | Dissolved 9251         | 200   | 110                | 210               | 110                | 250               | 180                | 54                | 250                | 100               | 190               | 120   |
| Nitrogen/Nitrate         | Nitrogen By calc       | 10  | ND                 | 1.1               | 0.73               | ND                | ND                 | ND                | ND                 | 0.81              | ND                | 0.19  |
| Total Dissolved Solids   | Dissolved 2540C        | 1,200   | 1,100              | 1,100             | 870                | 970               | 900                | 940               | 1,000              | 990               | 2,500             | 2,800 |
| Fluoride                 | Dissolved 4500 FC      | 4   | 0.71               | 0.65              | 0.53               | 0.62              | 0.5                | 0.5               | 0.37               | 0.36              | 0.52              | 0.48  |
| Nitrogen/Nitrite         | Dissolved 4500 NO2     | --  | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                | ND    |
| Nitrogen/Nitrate/Nitrite | Dissolved 4500 NO3     | --  | ND                 | 1.1               | 0.73               | ND                | ND                 | ND                | ND                 | 0.81              | ND                | 0.19  |

Notes:  
\*Class I Groundwater Standards from 35 IAC Part 620  
Bold values show exceedences of 35 IAC Part 620  
ND- non detect  
mg/L- milligrams per liter

Table 3  
 Groundwater Analytical Results  
 Will County, Illinois  
 Midwest Generation  
 21153.017

| Chemical Name            | Sample Analysis Method | Groundwater Quality Standard (mg/L)<br>Class I* | MW-5               |                   | MW-6               |                   | MW-7               |                   | MW-8               |                   |
|--------------------------|------------------------|---|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|
|                          |                        |   | (mg/L)<br>12/13/10 | (mg/L)<br>3/29/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/28/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/29/11 | (mg/L)<br>12/13/10 | (mg/L)<br>3/29/11 |
| Antimony                 | Metals 6020            | 0.006   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Arsenic                  | Metals 6020            | 0.05  | 0.0066             | 0.0048            | 0.0018             | 0.0018            | 0.004              | 0.0037            | 0.0067             | 0.0082            |
| Barium                   | Metals 6020            | 2.0   | 0.051              | 0.06              | 0.05               | 0.04              | 0.045              | 0.067             | 0.069              | 0.085             |
| Beryllium                | Metals 6020            | 0.004   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Cadmium                  | Metals 6020            | 0.005   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Chromium                 | Metals 6020            | 0.1   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Cobalt                   | Metals 6020            | 1.0   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Copper                   | Metals 6020            | 0.65  | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Cyanide                  | Dissolved 9014         | 0.2   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Iron                     | Metals 6020            | 5.0   | ND                 | ND                | ND                 | ND                | 0.23               | 0.18              | 0.48               | 0.76              |
| Lead                     | Metals 6020            | 0.0075  | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Manganese                | Metals 6020            | 0.15  | 0.0079             | 0.0067            | 0.073              | 0.051             | 0.12               | 0.11              | 0.33               | 0.47              |
| Mercury                  | Mercury 7470A          | 0.002   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Nickel                   | Metals 6020            | 0.1   | ND                 | ND                | ND                 | ND                | 0.0029             | 0.0023            | ND                 | ND                |
| Selenium                 | Metals 6020            | 0.05  | 0.017              | 0.014             | 0.0062             | 0.0028            | ND                 | ND                | ND                 | ND                |
| Silver                   | Metals 6020            | 0.05  | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Thallium                 | Metals 6020            | 0.002   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Zinc                     | Metals 6020            | 5.0   | ND                 | ND                | ND                 | ND                | ND                 | ND                | ND                 | ND                |
| Boron                    | Metals 6020            | 2   | 2.6                | 2.7               | 2.7                | 2.5               | 4.7                | 5                 | 1.7                | 1.3               |
| Sulfate                  | Dissolved 9038         | 400   | 580                | 570               | 500                | 540               | 610                | 650               | 1,000              | 440               |
| Chloride                 | Dissolved 9251         | 200   | 110                | 150               | 120                | 210               | 160                | 140               | 93                 | 200               |
| Nitrogen/Nitrate         | Nitrogen By calc       | 10  | 0.27               | 1.6               | 0.97               | 0.1               | ND                 | ND                | ND                 | 0.22              |
| Total Dissolved Solids   | Dissolved 2540C        | 1,200   | 1,000              | 1,300             | 990                | 1,100             | 1,300              | 1,500             | 1,600              | 1,100             |
| Fluoride                 | Dissolved 4500 FC      | 4   | 0.41               | 0.4               | 0.46               | 0.83              | 0.96               | 0.77              | 0.71               | 0.57              |
| Nitrogen/Nitrite         | Dissolved 4500 NO2     | --  | ND                 | 0.31              | 0.13               | ND                | 0.048              | ND                | 0.035              | ND                |
| Nitrogen/Nitrate/Nitrite | Dissolved 4500 NO3     | --  | 0.27               | 1.9               | 1.1                | ND                | 0.26               | ND                | ND                 | 0.22              |

Notes:  
 \*Class I Groundwater Standards from 35 IAC Part 620  
 Bold values show exceedences of 35 IAC Part 620  
 ND- non detect  
 mg/L- milligrams per liter



Table 3  
Groundwater Analytical Results  
Will County, Illinois  
Midwest Generation  
21153.017

| Chemical Name            | Sample Analysis Method | Groundwater Quality Standard (mg/L) Class I* | MW-9            |                | MW-10          |                 | MW-10          |                |
|--------------------------|------------------------|--|-----------------|----------------|----------------|-----------------|----------------|----------------|
|                          |                        |  | (mg/L) 12/13/10 | (mg/L) 3/29/11 | (mg/L) 6/15/11 | (mg/L) 12/13/10 | (mg/L) 3/28/11 | (mg/L) 6/15/11 |
| Antimony                 | Metals 6020            | 0.006  | ND              | ND             | ND             | ND              | ND             | ND             |
| Arsenic                  | Metals 6020            | 0.05   | 0.0059          | 0.0049         | 0.0052         | 0.0041          | 0.0046         | ND             |
| Barium                   | Metals 6020            | 2.0  | 0.025           | 0.031          | 0.025          | 0.098           | 0.091          | 0.091          |
| 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  | ND              | ND             | ND             | ND              | ND             | ND             |
| Copper                   | Metals 6020            | 0.65   | ND              | ND             | ND             | ND              | ND             | ND             |
| Cyanide                  | Dissolved 9014         | 0.2  | ND              | ND             | ND             | ND              | ND             | 0.01           |
| Iron                     | Metals 6020            | 5.0  | ND              | ND             | ND             | 0.32            | 0.46           | 0.63           |
| Lead                     | Metals 6020            | 0.0075                                       | ND              | ND             | ND             | ND              | ND             | ND             |
| Manganese                | Metals 6020            | 0.15   | ND              | ND             | ND             | <b>0.25</b>     | <b>0.22</b>    | <b>0.25</b>    |
| Mercury                  | Mercury 7470A          | 0.002  | ND              | ND             | ND             | ND              | ND             | ND             |
| Nickel                   | Metals 6020            | 0.1  | ND              | ND             | ND             | ND              | ND             | ND             |
| Selenium                 | Metals 6020            | 0.05   | 0.0036          | 0.0042         | ND             | ND              | ND             | ND             |
| 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  | 2.2             | 1.4            | 1.7            | <b>2.1</b>      | 1.8            | <b>2.2</b>     |
| Boron                    | Metals 6020            | 2  | 2.2             | 1.4            | 1.7            | <b>2.1</b>      | 1.8            | <b>2.2</b>     |
| Sulfate                  | Dissolved 9038         | 400  | <b>410</b>      | 320            | <b>410</b>     | 370             | 370            | 350            |
| Chloride                 | Dissolved 9251         | 200  | 100             | <b>280</b>     | <b>230</b>     | 92              | 130            | 150            |
| Nitrogen/Nitrate         | Nitrogen By calc       | 10   | ND              | 2.4            | 0.94           | ND              | ND             | ND             |
| Total Dissolved Solids   | Dissolved 2540C        | 1,200  | 800             | 1,000          | 940            | 990             | 960            | 990            |
| Fluoride                 | Dissolved 4500 FC      | 4  | 0.33            | 0.36           | 0.28           | 0.66            | 0.64           | 0.65           |
| Nitrogen/Nitrite         | Dissolved 4500 NO2     | --   | ND              | 1.2            | 0.16           | ND              | ND             | ND             |
| Nitrogen/Nitrate/Nitrite | Dissolved 4500 NO3     | --   | 0.44            | 3.6            | 1.1            | ND              | ND             | ND             |

Notes:  
\*Class I Groundwater Standards from 35 IAC Part 620  
Bold values show exceedences of 35 IAC Part 620  
ND- non detect  
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: 500-35413-1  
Client Project/Site: Midwest Generation Will Co. Groundwater

For:  
Midwest Generation EME LLC  
529 E 135th Street  
Romeoville, Illinois 60446-1538

Attn: Beckie Maddox

*Bonnie Stadelmann*

Authorized for release by:  
06/29/2011 02:05:56 PM

Bonnie Stadelmann  
Project Manager II  
[bonnie.stadelmann@testamericainc.com](mailto:bonnie.stadelmann@testamericainc.com)



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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*



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## Case Narrative

Client: Midwest Generation EME LLC  
Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

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**Job ID: 500-35413-1**

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3

**Laboratory: TestAmerica Chicago**

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**Narrative**

**Job Narrative**  
**500-35413-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**Metals**

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**

Method(s) 9251: The chloride matrix spike (MS) recovery for sample 500-35413-3 in batch117823 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

## Method Summary

Client: Midwest Generation EME LLC  
Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

| 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 Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 500-35413-1   | MW-1             | Water  | 06/15/11 12:10 | 06/15/11 14:20 |
| 500-35413-2   | MW-2             | Water  | 06/15/11 11:25 | 06/15/11 14:20 |
| 500-35413-3   | MW-3             | Water  | 06/15/11 13:05 | 06/15/11 14:20 |
| 500-35413-4   | MW-4             | Water  | 06/15/11 13:30 | 06/15/11 14:20 |
| 500-35413-5   | MW-5             | Water  | 06/15/11 12:40 | 06/15/11 14:20 |
| 500-35413-6   | MW-6             | Water  | 06/15/11 07:40 | 06/15/11 14:20 |
| 500-35413-7   | MW-7             | Water  | 06/15/11 09:35 | 06/15/11 14:20 |
| 500-35413-8   | MW-8             | Water  | 06/15/11 09:00 | 06/15/11 14:20 |
| 500-35413-9   | MW-9             | Water  | 06/15/11 10:20 | 06/15/11 14:20 |
| 500-35413-10  | MW-10            | Water  | 06/15/11 08:20 | 06/15/11 14:20 |

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## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-1**  
**Date Collected: 06/15/11 12:10**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-1**  
**Matrix: Water**



6

**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 18:43 | 06/28/11 17:22 | 1       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| <b>Barium</b>    | <b>0.046</b> |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:22 | 1       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:48 | 1       |
| <b>Boron</b>     | <b>1.8</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:28 | 1       |
| Cadmium          | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:22 | 1       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Iron             | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:22 | 1       |
| <b>Manganese</b> | <b>0.22</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 5       |
| Silver           | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:22 | 1       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:22 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:13 | 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 11:50 | 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 19:36 | 1       |
| <b>Sulfate</b>                   | <b>280</b>  |           | 100   |     | mg/L |   |                | 06/21/11 01:24 | 20      |
| <b>Chloride</b>                  | <b>110</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:43 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.73</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>1100</b> |           | 10    |     | mg/L |   |                | 06/15/11 23:10 | 1       |
| <b>Fluoride</b>                  | <b>0.53</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:03 | 1       |
| Nitrogen, Nitrite                | <0.020      |           | 0.020 |     | mg/L |   |                | 06/16/11 07:21 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>0.73</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 13:23 | 1       |



## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-2**  
**Date Collected: 06/15/11 11:25**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-2**  
**Matrix: Water**

6

### 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 18:43 | 06/28/11 18:16 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| <b>Barium</b>    | <b>0.068</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:49 | 1       |
| <b>Boron</b>     | <b>2.3</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:29 | 1       |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Iron             | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:25 | 1       |
| <b>Manganese</b> | <b>0.043</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:25 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:16 | 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 11:55 | 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 19:37 | 1       |
| <b>Sulfate</b>                | <b>400</b>  |           | 50    |     | mg/L |   |                | 06/21/11 01:25 | 10      |
| <b>Chloride</b>               | <b>180</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:44 | 5       |
| Nitrogen, Nitrate             | <0.10       |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b> | <b>900</b>  |           | 10    |     | mg/L |   |                | 06/15/11 23:13 | 1       |
| <b>Fluoride</b>               | <b>0.42</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:13 | 1       |
| Nitrogen, Nitrite             | <0.020      |           | 0.020 |     | mg/L |   |                | 06/16/11 07:22 | 1       |
| Nitrogen, Nitrate Nitrite     | <0.10       |           | 0.10  |     | mg/L |   |                | 06/28/11 13:25 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-3**  
**Date Collected: 06/15/11 13:05**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-3**  
**Matrix: Water**



6

**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 18:43 | 06/28/11 18:18 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| <b>Barium</b>    | <b>0.071</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:50 | 1       |
| <b>Boron</b>     | <b>2.6</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:30 | 1       |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Iron             | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:27 | 1       |
| <b>Manganese</b> | <b>0.34</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:27 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:18 | 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 11:57 | 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 19:37 | 1       |
| <b>Sulfate</b>                   | <b>240</b>  |           | 50    |     | mg/L |   |                | 06/21/11 01:26 | 10      |
| <b>Chloride</b>                  | <b>100</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:45 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.81</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>990</b>  |           | 10    |     | mg/L |   |                | 06/15/11 23:16 | 1       |
| <b>Fluoride</b>                  | <b>0.36</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:17 | 1       |
| Nitrogen, Nitrite                | <0.020      |           | 0.020 |     | mg/L |   |                | 06/16/11 07:22 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>0.81</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 13:27 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-4**  
**Date Collected: 06/15/11 13:30**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-4**  
**Matrix: Water**

6

### 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 18:43 | 06/28/11 18:20 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| <b>Barium</b>    | <b>0.050</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:51 | 1       |
| <b>Boron</b>     | <b>3.6</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:31 | 1       |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| <b>Iron</b>      | <b>0.70</b>  |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:29 | 1       |
| <b>Manganese</b> | <b>0.70</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:29 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:20 | 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 11:58 | 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 19:37 | 1       |
| <b>Sulfate</b>                   | <b>1600</b> |           | 250   |     | mg/L |   |                | 06/21/11 01:27 | 50      |
| <b>Chloride</b>                  | <b>120</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:48 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.19</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>2800</b> |           | 10    |     | mg/L |   |                | 06/15/11 23:19 | 1       |
| <b>Fluoride</b>                  | <b>0.48</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:21 | 1       |
| Nitrogen, Nitrite                | <0.020      |           | 0.020 |     | mg/L |   |                | 06/16/11 07:22 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>0.19</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 13:29 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-5**  
**Date Collected: 06/15/11 12:40**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-5**  
**Matrix: Water**



### 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 18:43 | 06/28/11 18:23 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| <b>Barium</b>    | <b>0.067</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:52 | 1       |
| <b>Boron</b>     | <b>3.2</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:32 | 1       |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Iron             | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:31 | 1       |
| <b>Manganese</b> | <b>0.055</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| <b>Selenium</b>  | <b>0.016</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:31 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:23 | 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 12:00 | 1       |

### General Chemistry - Dissolved

| Analyte                          | Result      | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Cyanide, Total                   | <0.010      |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:10 | 1       |
| <b>Sulfate</b>                   | <b>540</b>  |           | 100   |     | mg/L |   |                | 06/21/11 01:28 | 20      |
| <b>Chloride</b>                  | <b>140</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:49 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.97</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>1400</b> |           | 10    |     | mg/L |   |                | 06/15/11 23:22 | 1       |
| <b>Fluoride</b>                  | <b>0.46</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:24 | 1       |
| <b>Nitrogen, Nitrite</b>         | <b>0.13</b> |           | 0.020 |     | mg/L |   |                | 06/16/11 07:23 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>1.1</b>  |           | 0.10  |     | mg/L |   |                | 06/28/11 13:32 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-6**  
**Date Collected: 06/15/11 07:40**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-6**  
**Matrix: Water**



| 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 18:43 | 06/28/11 18:25 | 5       |
| Arsenic                                    | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| <b>Barium</b>                              | <b>0.045</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Beryllium                                  | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:54 | 1       |
| <b>Boron</b>                               | <b>2.4</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:33 | 1       |
| Cadmium                                    | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Chromium                                   | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Cobalt                                     | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Copper                                     | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Iron                                       | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Lead                                       | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:45 | 1       |
| <b>Manganese</b>                           | <b>0.047</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Nickel                                     | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Selenium                                   | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Silver                                     | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 5       |
| Thallium                                   | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:45 | 1       |
| Zinc                                       | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:25 | 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 12:02 | 1       |

| General Chemistry - Dissolved    |             |           |       |     |      |   |                |                |         |
|----------------------------------|-------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Analyte                          | Result      | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Cyanide, Total                   | <0.010      |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:10 | 1       |
| <b>Sulfate</b>                   | <b>570</b>  |           | 100   |     | mg/L |   |                | 06/21/11 01:29 | 20      |
| <b>Chloride</b>                  | <b>150</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:49 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.10</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>1200</b> |           | 10    |     | mg/L |   |                | 06/15/11 23:25 | 1       |
| <b>Fluoride</b>                  | <b>0.79</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:28 | 1       |
| <b>Nitrogen, Nitrite</b>         | <b>0.16</b> |           | 0.020 |     | mg/L |   |                | 06/16/11 07:23 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>0.26</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 13:34 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-7**  
**Date Collected: 06/15/11 09:35**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-7**  
**Matrix: Water**



6

**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 18:43 | 06/28/11 18:27 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| <b>Barium</b>    | <b>0.076</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:57 | 1       |
| <b>Boron</b>     | <b>5.7</b>   |           | 1.0     |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:49 | 20      |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Iron             | <0.50        |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:48 | 1       |
| <b>Manganese</b> | <b>0.15</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:48 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:27 | 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 12:04 | 1       |

**General Chemistry - Dissolved**

| Analyte                       | Result       | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| <b>Cyanide, Total</b>         | <b>0.016</b> |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:11 | 1       |
| <b>Sulfate</b>                | <b>1000</b>  |           | 200   |     | mg/L |   |                | 06/22/11 04:53 | 40      |
| <b>Chloride</b>               | <b>140</b>   |           | 10    |     | mg/L |   |                | 06/27/11 13:50 | 5       |
| Nitrogen, Nitrate             | <0.10        |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b> | <b>1600</b>  |           | 10    |     | mg/L |   |                | 06/15/11 23:28 | 1       |
| <b>Fluoride</b>               | <b>0.71</b>  |           | 0.10  |     | mg/L |   |                | 06/27/11 16:41 | 1       |
| <b>Nitrogen, Nitrite</b>      | <b>0.035</b> |           | 0.020 |     | mg/L |   |                | 06/16/11 07:24 | 1       |
| Nitrogen, Nitrate Nitrite     | <0.10        |           | 0.10  |     | mg/L |   |                | 06/28/11 13:36 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-8**  
**Date Collected: 06/15/11 09:00**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-8**  
**Matrix: Water**



6

**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 18:43 | 06/28/11 18:30 | 5       |
| <b>Arsenic</b>   | <b>0.0082</b> |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| <b>Barium</b>    | <b>0.085</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Beryllium        | <0.0010       |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:58 | 1       |
| <b>Boron</b>     | <b>1.7</b>    |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:43 | 1       |
| Cadmium          | <0.0025       |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Chromium         | <0.025        |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Cobalt           | <0.0050       |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Copper           | <0.010        |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| <b>Iron</b>      | <b>0.76</b>   |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Lead             | <0.00050      |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:50 | 1       |
| <b>Manganese</b> | <b>0.47</b>   |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Nickel           | <0.010        |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Selenium         | <0.013        |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Silver           | <0.0025       |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 5       |
| Thallium         | <0.0020       |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:50 | 1       |
| Zinc             | <0.10         |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:30 | 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 12:05 | 1       |

**General Chemistry - Dissolved**

| Analyte                       | Result      | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Cyanide, Total                | <0.010      |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:12 | 1       |
| <b>Sulfate</b>                | <b>420</b>  |           | 100   |     | mg/L |   |                | 06/22/11 04:54 | 20      |
| <b>Chloride</b>               | <b>200</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:50 | 5       |
| Nitrogen, Nitrate             | <0.10       |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b> | <b>1100</b> |           | 10    |     | mg/L |   |                | 06/21/11 22:00 | 1       |
| <b>Fluoride</b>               | <b>0.57</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:45 | 1       |
| Nitrogen, Nitrite             | <0.020      |           | 0.020 |     | mg/L |   |                | 06/16/11 07:24 | 1       |
| Nitrogen, Nitrate Nitrite     | <0.10       |           | 0.10  |     | mg/L |   |                | 06/28/11 13:38 | 1       |

## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-9**  
**Date Collected: 06/15/11 10:20**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-9**  
**Matrix: Water**

### 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 18:43 | 06/28/11 18:32 | 5       |
| <b>Arsenic</b> | <b>0.0052</b> |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| <b>Barium</b>  | <b>0.025</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Beryllium      | <0.0010       |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:59 | 1       |
| <b>Boron</b>   | <b>1.7</b>    |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:44 | 1       |
| Cadmium        | <0.0025       |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Chromium       | <0.025        |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Cobalt         | <0.0050       |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Copper         | <0.010        |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Iron           | <0.50         |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Lead           | <0.00050      |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:52 | 1       |
| Manganese      | <0.013        |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Nickel         | <0.010        |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Selenium       | <0.013        |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Silver         | <0.0025       |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 5       |
| Thallium       | <0.0020       |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:52 | 1       |
| Zinc           | <0.10         |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:32 | 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 12:07 | 1       |

### General Chemistry - Dissolved

| Analyte                          | Result      | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Cyanide, Total                   | <0.010      |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:12 | 1       |
| <b>Sulfate</b>                   | <b>410</b>  |           | 100   |     | mg/L |   |                | 06/22/11 04:55 | 20      |
| <b>Chloride</b>                  | <b>230</b>  |           | 10    |     | mg/L |   |                | 06/27/11 13:51 | 5       |
| <b>Nitrogen, Nitrate</b>         | <b>0.94</b> |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b>    | <b>940</b>  |           | 10    |     | mg/L |   |                | 06/21/11 22:03 | 1       |
| <b>Fluoride</b>                  | <b>0.28</b> |           | 0.10  |     | mg/L |   |                | 06/27/11 16:48 | 1       |
| <b>Nitrogen, Nitrite</b>         | <b>0.16</b> |           | 0.020 |     | mg/L |   |                | 06/16/11 07:25 | 1       |
| <b>Nitrogen, Nitrate Nitrite</b> | <b>1.1</b>  |           | 0.10  |     | mg/L |   |                | 06/28/11 13:40 | 1       |

6



## Client Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

**Client Sample ID: MW-10**  
**Date Collected: 06/15/11 08:20**  
**Date Received: 06/15/11 14:20**

**Lab Sample ID: 500-35413-10**  
**Matrix: Water**

6

**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 18:43 | 06/28/11 18:34 | 5       |
| Arsenic          | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| <b>Barium</b>    | <b>0.091</b> |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Beryllium        | <0.0010      |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/22/11 17:00 | 1       |
| <b>Boron</b>     | <b>2.2</b>   |           | 0.050   |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:45 | 1       |
| Cadmium          | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Chromium         | <0.025       |           | 0.025   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Cobalt           | <0.0050      |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Copper           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| <b>Iron</b>      | <b>0.63</b>  |           | 0.50    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Lead             | <0.00050     |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:55 | 1       |
| <b>Manganese</b> | <b>0.25</b>  |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Nickel           | <0.010       |           | 0.010   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Selenium         | <0.013       |           | 0.013   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Silver           | <0.0025      |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 5       |
| Thallium         | <0.0020      |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:55 | 1       |
| Zinc             | <0.10        |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 18:34 | 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 12:09 | 1       |

**General Chemistry - Dissolved**

| Analyte                       | Result       | Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------|-------|-----|------|---|----------------|----------------|---------|
| <b>Cyanide, Total</b>         | <b>0.010</b> |           | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:13 | 1       |
| <b>Sulfate</b>                | <b>350</b>   |           | 100   |     | mg/L |   |                | 06/22/11 04:58 | 20      |
| <b>Chloride</b>               | <b>150</b>   |           | 10    |     | mg/L |   |                | 06/27/11 14:08 | 5       |
| Nitrogen, Nitrate             | <0.10        |           | 0.10  |     | mg/L |   |                | 06/28/11 15:20 | 1       |
| <b>Total Dissolved Solids</b> | <b>990</b>   |           | 10    |     | mg/L |   |                | 06/21/11 22:06 | 1       |
| <b>Fluoride</b>               | <b>0.65</b>  |           | 0.10  |     | mg/L |   |                | 06/27/11 16:51 | 1       |
| Nitrogen, Nitrite             | <0.020       |           | 0.020 |     | mg/L |   |                | 06/16/11 07:27 | 1       |
| Nitrogen, Nitrate Nitrite     | <0.10        |           | 0.10  |     | mg/L |   |                | 06/28/11 13:41 | 1       |

## Definitions/Glossary

Client: Midwest Generation EME LLC  
Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

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### Qualifiers

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#### General Chemistry

| Qualifier | Qualifier Description                |
|-----------|--------------------------------------|
| F         | MS or MSD exceeds the control limits |

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### Glossary

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| 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.       |

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## QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### Metals

#### 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  |            |
| 500-35413-1        | MW-1               | Dissolved | Water  | 7470A  |            |
| 500-35413-2        | MW-2               | Dissolved | Water  | 7470A  |            |
| 500-35413-3        | MW-3               | Dissolved | Water  | 7470A  |            |
| 500-35413-4        | MW-4               | Dissolved | Water  | 7470A  |            |
| 500-35413-5        | MW-5               | Dissolved | Water  | 7470A  |            |
| 500-35413-6        | MW-6               | Dissolved | Water  | 7470A  |            |
| 500-35413-7        | MW-7               | Dissolved | Water  | 7470A  |            |
| 500-35413-8        | MW-8               | Dissolved | Water  | 7470A  |            |
| 500-35413-9        | MW-9               | Dissolved | Water  | 7470A  |            |
| 500-35413-10       | MW-10              | Dissolved | Water  | 7470A  |            |

#### Analysis Batch: 116852

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 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     |
| 500-35413-1        | MW-1               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-2        | MW-2               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-3        | MW-3               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-4        | MW-4               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-5        | MW-5               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-6        | MW-6               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-7        | MW-7               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-8        | MW-8               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-9        | MW-9               | Dissolved | Water  | 7470A  | 116723     |
| 500-35413-10       | MW-10              | Dissolved | Water  | 7470A  | 116723     |

#### Prep Batch: 116940

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|--------------------|-----------|--------|----------------|------------|
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | Soluble Metals |            |
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | Soluble Metals |            |
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | Soluble Metals |            |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | Soluble Metals |            |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | Soluble Metals |            |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | Soluble Metals |            |
| 500-35413-1        | MW-1               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-1        | MW-1               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-1        | MW-1               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-1        | MW-1               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-2        | MW-2               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-2        | MW-2               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-2        | MW-2               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-2        | MW-2               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-3        | MW-3               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-3        | MW-3               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-3        | MW-3               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-3        | MW-3               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-4        | MW-4               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-4        | MW-4               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-4        | MW-4               | Dissolved | Water  | Soluble Metals |            |
| 500-35413-4        | MW-4               | Dissolved | Water  | Soluble Metals |            |

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## QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### Metals (Continued)

#### Prep Batch: 116940 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method         | Prep Batch |
|---------------|------------------|-----------|--------|----------------|------------|
| 500-35413-5   | MW-5             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-5   | MW-5             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-5   | MW-5             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-5   | MW-5             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | Soluble Metals |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | Soluble Metals |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | Soluble Metals |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | Soluble Metals |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | Soluble Metals |            |

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#### Analysis Batch: 117403

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | 6020   | 116940     |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | 6020   | 116940     |
| 500-35413-1        | MW-1               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-2        | MW-2               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-3        | MW-3               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-4        | MW-4               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-5        | MW-5               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-6        | MW-6               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-7        | MW-7               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-8        | MW-8               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-9        | MW-9               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-10       | MW-10              | Dissolved | Water  | 6020   | 116940     |

#### Analysis Batch: 118025

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | 6020   | 116940     |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | 6020   | 116940     |
| 500-35413-1        | MW-1               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-2        | MW-2               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-3        | MW-3               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-4        | MW-4               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-5        | MW-5               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-6        | MW-6               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-7        | MW-7               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-8        | MW-8               | Dissolved | Water  | 6020   | 116940     |

## QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### Metals (Continued)

#### Analysis Batch: 118025 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-35413-9   | MW-9             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-10  | MW-10            | Dissolved | Water  | 6020   | 116940     |
| 500-35413-1   | MW-1             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-2   | MW-2             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-3   | MW-3             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-4   | MW-4             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-5   | MW-5             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-6   | MW-6             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-7   | MW-7             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-8   | MW-8             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-9   | MW-9             | Dissolved | Water  | 6020   | 116940     |
| 500-35413-10  | MW-10            | Dissolved | Water  | 6020   | 116940     |

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#### Analysis Batch: 118053

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 500-116940/1-A  | Method Blank       | Soluble   | Water  | 6020   | 116940     |
| LCS 500-116940/2-A | Lab Control Sample | Soluble   | Water  | 6020   | 116940     |
| 500-35413-1        | MW-1               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-2        | MW-2               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-3        | MW-3               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-4        | MW-4               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-5        | MW-5               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-6        | MW-6               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-8        | MW-8               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-9        | MW-9               | Dissolved | Water  | 6020   | 116940     |
| 500-35413-10       | MW-10              | Dissolved | Water  | 6020   | 116940     |
| 500-35413-7        | MW-7               | Dissolved | Water  | 6020   | 116940     |

### 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 |            |
| 500-35413-1      | MW-1               | Dissolved | Water  | SM 2540C |            |
| 500-35413-2      | MW-2               | Dissolved | Water  | SM 2540C |            |
| 500-35413-3      | MW-3               | Dissolved | Water  | SM 2540C |            |
| 500-35413-4      | MW-4               | Dissolved | Water  | SM 2540C |            |
| 500-35413-5      | MW-5               | Dissolved | Water  | SM 2540C |            |
| 500-35413-6      | MW-6               | Dissolved | Water  | SM 2540C |            |
| 500-35413-7      | MW-7               | Dissolved | Water  | SM 2540C |            |

#### 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  |            |
| 500-35413-1          | MW-1               | Dissolved | Water  | 9010B  |            |
| 500-35413-2          | MW-2               | Dissolved | Water  | 9010B  |            |
| 500-35413-3          | MW-3               | Dissolved | Water  | 9010B  |            |
| 500-35413-4          | MW-4               | 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  |            |

TestAmerica Chicago

## QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### General Chemistry (Continued)

#### 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     |
| 500-35413-1          | MW-1               | Dissolved | Water  | 9014   | 116716     |
| 500-35413-2          | MW-2               | Dissolved | Water  | 9014   | 116716     |
| 500-35413-3          | MW-3               | Dissolved | Water  | 9014   | 116716     |
| 500-35413-4          | MW-4               | 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 |            |
| 500-35413-1      | MW-1               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-2      | MW-2               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-3      | MW-3               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-4      | MW-4               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-5      | MW-5               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-6      | MW-6               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-7      | MW-7               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-8      | MW-8               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-9      | MW-9               | Dissolved | Water  | SM 4500 NO2 B |            |
| 500-35413-10     | MW-10              | Dissolved | Water  | SM 4500 NO2 B |            |

#### 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   |            |
| 500-35413-1      | MW-1               | Dissolved | Water  | 9038   |            |
| 500-35413-2      | MW-2               | Dissolved | Water  | 9038   |            |
| 500-35413-3      | MW-3               | Dissolved | Water  | 9038   |            |
| 500-35413-4      | MW-4               | Dissolved | Water  | 9038   |            |
| 500-35413-5      | MW-5               | Dissolved | Water  | 9038   |            |
| 500-35413-6      | MW-6               | Dissolved | Water  | 9038   |            |

#### Analysis Batch: 117221

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| MB 500-117221/1  | Method Blank       | Total/NA  | Water  | SM 2540C |            |
| LCS 500-117221/2 | Lab Control Sample | Total/NA  | Water  | SM 2540C |            |
| 500-35413-8      | MW-8               | Dissolved | Water  | SM 2540C |            |
| 500-35413-9      | MW-9               | Dissolved | Water  | SM 2540C |            |
| 500-35413-10     | MW-10              | Dissolved | Water  | SM 2540C |            |

#### Analysis Batch: 117226

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| MB 500-117226/3  | Method Blank       | Total/NA  | Water  | 9038   |            |
| LCS 500-117226/4 | Lab Control Sample | Total/NA  | Water  | 9038   |            |
| 500-35413-7      | MW-7               | Dissolved | Water  | 9038   |            |
| 500-35413-8      | MW-8               | Dissolved | Water  | 9038   |            |
| 500-35413-9      | MW-9               | Dissolved | Water  | 9038   |            |
| 500-35413-9 MS   | MW-9               | Dissolved | Water  | 9038   |            |
| 500-35413-9 MSD  | MW-9               | Dissolved | Water  | 9038   |            |



# QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

## General Chemistry (Continued)

### Analysis Batch: 117226 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 500-35413-10  | MW-10            | Dissolved | Water  | 9038   |            |

### Prep Batch: 117529

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| MB 500-117529/12-A  | Method Blank       | Total/NA  | Water  | 9010B  |            |
| LCS 500-117529/13-A | Lab Control Sample | Total/NA  | Water  | 9010B  |            |
| 500-35413-5         | MW-5               | Dissolved | Water  | 9010B  |            |
| 500-35413-6         | MW-6               | Dissolved | Water  | 9010B  |            |
| 500-35413-7         | MW-7               | Dissolved | Water  | 9010B  |            |
| 500-35413-7 MS      | MW-7               | Dissolved | Water  | 9010B  |            |
| 500-35413-7 MSD     | MW-7               | Dissolved | Water  | 9010B  |            |
| 500-35413-8         | MW-8               | Dissolved | Water  | 9010B  |            |
| 500-35413-9         | MW-9               | Dissolved | Water  | 9010B  |            |
| 500-35413-10        | MW-10              | Dissolved | Water  | 9010B  |            |

### Analysis Batch: 117537

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| MB 500-117529/12-A  | Method Blank       | Total/NA  | Water  | 9014   | 117529     |
| LCS 500-117529/13-A | Lab Control Sample | Total/NA  | Water  | 9014   | 117529     |
| 500-35413-5         | MW-5               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-6         | MW-6               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-7         | MW-7               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-7 MS      | MW-7               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-7 MSD     | MW-7               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-8         | MW-8               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-9         | MW-9               | Dissolved | Water  | 9014   | 117529     |
| 500-35413-10        | MW-10              | Dissolved | Water  | 9014   | 117529     |

### 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   |            |
| LCS 500-117823/12 | Lab Control Sample | Total/NA  | Water  | 9251   |            |
| 500-35413-1       | MW-1               | Dissolved | Water  | 9251   |            |
| 500-35413-2       | MW-2               | Dissolved | Water  | 9251   |            |
| 500-35413-3       | MW-3               | Dissolved | Water  | 9251   |            |
| 500-35413-3 MS    | MW-3               | Dissolved | Water  | 9251   |            |
| 500-35413-3 MSD   | MW-3               | Dissolved | Water  | 9251   |            |
| 500-35413-4       | MW-4               | Dissolved | Water  | 9251   |            |
| 500-35413-5       | MW-5               | Dissolved | Water  | 9251   |            |
| 500-35413-6       | MW-6               | Dissolved | Water  | 9251   |            |
| 500-35413-7       | MW-7               | Dissolved | Water  | 9251   |            |
| 500-35413-8       | MW-8               | Dissolved | Water  | 9251   |            |
| 500-35413-9       | MW-9               | Dissolved | Water  | 9251   |            |
| 500-35413-10      | MW-10              | 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 |            |
| 500-35413-1      | MW-1               | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-1 MS   | MW-1               | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-1 MSD  | MW-1               | Dissolved | Water  | SM 4500 F C |            |

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## QC Association Summary

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### General Chemistry (Continued)

#### Analysis Batch: 117886 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 500-35413-2   | MW-2             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-3   | MW-3             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-4   | MW-4             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-5   | MW-5             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | SM 4500 F C |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | SM 4500 F C |            |

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#### 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 |            |
| 500-35413-1       | MW-1               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-2       | MW-2               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-3       | MW-3               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-4       | MW-4               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-5       | MW-5               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-6       | MW-6               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-7       | MW-7               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-8       | MW-8               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-9       | MW-9               | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-10      | MW-10              | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-10 MS   | MW-10              | Dissolved | Water  | SM 4500 NO3 F |            |
| 500-35413-10 MSD  | MW-10              | Dissolved | Water  | SM 4500 NO3 F |            |

#### Analysis Batch: 117964

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method          | Prep Batch |
|---------------|------------------|-----------|--------|-----------------|------------|
| 500-35413-1   | MW-1             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-2   | MW-2             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-3   | MW-3             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-4   | MW-4             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-5   | MW-5             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-6   | MW-6             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-7   | MW-7             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-8   | MW-8             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-9   | MW-9             | Dissolved | Water  | Nitrate by calc |            |
| 500-35413-10  | MW-10            | Dissolved | Water  | Nitrate by calc |            |



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

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

**Lab Sample ID: MB 500-116940/1-A**  
**Matrix: Water**  
**Analysis Batch: 117403**

**Client Sample ID: Method Blank**  
**Prep Type: Soluble**  
**Prep Batch: 116940**

| Analyte   | MB MB   |           | RL     | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|-----|------|---|----------------|----------------|---------|
|           | Result  | Qualifier |        |     |      |   |                |                |         |
| Beryllium | <0.0010 |           | 0.0010 |     | mg/L |   | 06/18/11 18:43 | 06/22/11 16:46 | 1       |

**Lab Sample ID: MB 500-116940/1-A**  
**Matrix: Water**  
**Analysis Batch: 118025**

**Client Sample ID: Method Blank**  
**Prep Type: Soluble**  
**Prep Batch: 116940**

| Analyte   | MB MB    |           | RL      | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
|           | Result   | Qualifier |         |     |      |   |                |                |         |
| Antimony  | <0.0030  |           | 0.0030  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Arsenic   | <0.0010  |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Barium    | <0.0025  |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Cadmium   | <0.00050 |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Chromium  | <0.0050  |           | 0.0050  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Cobalt    | <0.0010  |           | 0.0010  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Copper    | <0.0020  |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Iron      | <0.10    |           | 0.10    |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Lead      | <0.00050 |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Manganese | <0.0025  |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Nickel    | <0.0020  |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Selenium  | <0.0025  |           | 0.0025  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Silver    | <0.00050 |           | 0.00050 |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Thallium  | <0.0020  |           | 0.0020  |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |
| Zinc      | <0.020   |           | 0.020   |     | mg/L |   | 06/18/11 18:43 | 06/28/11 17:18 | 1       |

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**Lab Sample ID: MB 500-116940/1-A**  
**Matrix: Water**  
**Analysis Batch: 118053**

**Client Sample ID: Method Blank**  
**Prep Type: Soluble**  
**Prep Batch: 116940**

| Analyte | MB MB  |           | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
|         | Result | Qualifier |       |     |      |   |                |                |         |
| Boron   | <0.050 |           | 0.050 |     | mg/L |   | 06/18/11 18:43 | 06/29/11 10:27 | 1       |

**Lab Sample ID: LCS 500-116940/2-A**  
**Matrix: Water**  
**Analysis Batch: 117403**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Soluble**  
**Prep Batch: 116940**

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec.   |  |
|-----------|-------------|------------|---------------|------|---|-------|----------|--|
|           |             |            |               |      |   |       | Limits   |  |
| Beryllium | 0.0500      | 0.0543     |               | mg/L |   | 109   | 80 - 120 |  |

**Lab Sample ID: LCS 500-116940/2-A**  
**Matrix: Water**  
**Analysis Batch: 118025**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Soluble**  
**Prep Batch: 116940**

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | % Rec.   |  |
|----------|-------------|------------|---------------|------|---|-------|----------|--|
|          |             |            |               |      |   |       | Limits   |  |
| Antimony | 0.500       | 0.433      |               | mg/L |   | 87    | 80 - 120 |  |
| Arsenic  | 0.100       | 0.109      |               | mg/L |   | 109   | 80 - 120 |  |
| Barium   | 0.500       | 0.483      |               | mg/L |   | 97    | 80 - 120 |  |
| Cadmium  | 0.0500      | 0.0533     |               | mg/L |   | 107   | 80 - 120 |  |
| Chromium | 0.200       | 0.208      |               | mg/L |   | 104   | 80 - 120 |  |
| Cobalt   | 0.500       | 0.547      |               | mg/L |   | 109   | 80 - 120 |  |
| Copper   | 0.250       | 0.290      |               | mg/L |   | 116   | 80 - 120 |  |
| Iron     | 1.00        | 1.04       |               | mg/L |   | 104   | 80 - 120 |  |

TestAmerica Chicago

## QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

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

| Lab Sample ID: LCS 500-116940/2-A<br>Matrix: Water<br>Analysis Batch: 118025 |             |            | Client Sample ID: Lab Control Sample<br>Prep Type: Soluble<br>Prep Batch: 116940 |      |   |       |          |  |
|--|-------------|------------|--|------|---|-------|----------|--|
| Analyte  | Spike Added | LCS Result | LCS Qualifier  | Unit | D | % Rec | % Rec.   |  |
|  |             |            |  |      |   |       | Limits   |  |
| Lead   | 0.100       | 0.107      |  | mg/L |   | 107   | 80 - 120 |  |
| Manganese  | 0.500       | 0.525      |  | mg/L |   | 105   | 80 - 120 |  |
| Nickel   | 0.500       | 0.569      |  | mg/L |   | 114   | 80 - 120 |  |
| Selenium   | 0.100       | 0.107      |  | mg/L |   | 107   | 80 - 120 |  |
| Silver   | 0.0500      | 0.0434     |  | mg/L |   | 87    | 80 - 120 |  |
| Thallium   | 0.100       | 0.103      |  | mg/L |   | 103   | 80 - 120 |  |
| Zinc   | 0.500       | 0.583      |  | mg/L |   | 117   | 80 - 120 |  |

| Lab Sample ID: LCS 500-116940/2-A<br>Matrix: Water<br>Analysis Batch: 118053 |             |            | Client Sample ID: Lab Control Sample<br>Prep Type: Soluble<br>Prep Batch: 116940 |      |   |       |          |  |
|--|-------------|------------|--|------|---|-------|----------|--|
| Analyte  | Spike Added | LCS Result | LCS Qualifier  | Unit | D | % Rec | % Rec.   |  |
|  |             |            |  |      |   |       | Limits   |  |
| Boron  | 1.00        | 1.04       |  | mg/L |   | 104   | 80 - 120 |  |

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

| Lab Sample ID: MB 500-116723/7-A<br>Matrix: Water<br>Analysis Batch: 116852 |          |           | Client Sample ID: Method Blank<br>Prep Type: Total/NA<br>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<br>Matrix: Water<br>Analysis Batch: 116852 |             |            | Client Sample ID: Lab Control Sample<br>Prep Type: Total/NA<br>Prep Batch: 116723 |      |   |       |          |  |
|--|-------------|------------|---|------|---|-------|----------|--|
| Analyte  | Spike Added | LCS Result | LCS Qualifier   | Unit | D | % Rec | % Rec.   |  |
|  |             |            |   |      |   |       | Limits   |  |
| Mercury  | 0.00200     | 0.00233    |   | mg/L |   | 117   | 80 - 120 |  |

### Method: 9014 - Cyanide

| Lab Sample ID: MB 500-116716/1-A<br>Matrix: Water<br>Analysis Batch: 116751 |        |           | Client Sample ID: Method Blank<br>Prep Type: Total/NA<br>Prep Batch: 116716 |     |      |   |                |                |         |
|---|--------|-----------|---|-----|------|---|----------------|----------------|---------|
| Analyte   | MB     | MB        | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|   | Result | Qualifier |   |     |      |   |                |                |         |
| 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<br>Matrix: Water<br>Analysis Batch: 116751 |             |             | Client Sample ID: Lab Control Sample<br>Prep Type: Total/NA<br>Prep Batch: 116716 |      |   |       |          |  |
|--|-------------|-------------|---|------|---|-------|----------|--|
| Analyte  | Spike Added | HLCS Result | HLCS Qualifier  | Unit | D | % Rec | % Rec.   |  |
|  |             |             |   |      |   |       | Limits   |  |
| Cyanide, Total   | 0.400       | 0.407       |   | mg/L |   | 102   | 90 - 110 |  |

## QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

### Method: 9014 - Cyanide (Continued)

**Lab Sample ID:** LCS 500-116716/2-A  
**Matrix:** Water  
**Analysis Batch:** 116751

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 116716

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | Limits   |
|----------------|-------------|------------|---------------|------|---|-------|----------|
| Cyanide, Total | 0.100       | 0.106      |               | mg/L |   | 106   | 80 - 120 |

**Lab Sample ID:** LLCS 500-116716/26-A  
**Matrix:** Water  
**Analysis Batch:** 116751

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 116716

| Analyte        | Spike Added | LLCS Result | LLCS Qualifier | Unit | D | % Rec | Limits   |
|----------------|-------------|-------------|----------------|------|---|-------|----------|
| Cyanide, Total | 0.0400      | 0.0419      |                | mg/L |   | 105   | 75 - 125 |

**Lab Sample ID:** MB 500-117529/12-A  
**Matrix:** Water  
**Analysis Batch:** 117537

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 117529

| Analyte        | MB Result | MB Qualifier | RL    | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|-------|-----|------|---|----------------|----------------|---------|
| Cyanide, Total | <0.010    |              | 0.010 |     | mg/L |   | 06/23/11 20:30 | 06/23/11 23:06 | 1       |

**Lab Sample ID:** LCS 500-117529/13-A  
**Matrix:** Water  
**Analysis Batch:** 117537

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 117529

| Analyte        | Spike Added | LCS Result | LCS Qualifier | Unit | D | % Rec | Limits   |
|----------------|-------------|------------|---------------|------|---|-------|----------|
| Cyanide, Total | 0.100       | 0.106      |               | mg/L |   | 106   | 80 - 120 |

**Lab Sample ID:** 500-35413-7 MS  
**Matrix:** Water  
**Analysis Batch:** 117537

**Client Sample ID:** MW-7  
**Prep Type:** Dissolved  
**Prep Batch:** 117529

| Analyte        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | Limits   |
|----------------|---------------|------------------|-------------|-----------|--------------|------|---|-------|----------|
| Cyanide, Total | 0.016         |                  | 0.0400      | 0.0586    |              | mg/L |   | 108   | 75 - 125 |

**Lab Sample ID:** 500-35413-7 MSD  
**Matrix:** Water  
**Analysis Batch:** 117537

**Client Sample ID:** MW-7  
**Prep Type:** Dissolved  
**Prep Batch:** 117529

| Analyte        | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | % Rec | Limits   | RPD | Limit |
|----------------|---------------|------------------|-------------|------------|---------------|------|---|-------|----------|-----|-------|
| Cyanide, Total | 0.016         |                  | 0.0400      | 0.0586     |               | mg/L |   | 108   | 75 - 125 | 0   | 20    |

### Method: 9038 - Sulfate, Turbidimetric

**Lab Sample ID:** MB 500-117082/3  
**Matrix:** Water  
**Analysis Batch:** 117082

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

| Analyte | MB Result | MB Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|-----------|--------------|-----|-----|------|---|----------|----------------|---------|
| Sulfate | <5.0      |              | 5.0 |     | mg/L |   |          | 06/21/11 01:08 | 1       |

# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

## Method: 9038 - Sulfate, Turbidimetric (Continued)

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

| <b>Lab Sample ID: MB 500-117226/3</b> |           |              |     | <b>Client Sample ID: Method Blank</b> |      |   |          |                |         |
|---------------------------------------|-----------|--------------|-----|---------------------------------------|------|---|----------|----------------|---------|
| <b>Matrix: Water</b>                  |           |              |     | <b>Prep Type: Total/NA</b>            |      |   |          |                |         |
| <b>Analysis Batch: 117226</b>         |           |              |     |                                       |      |   |          |                |         |
| Analyte                               | MB Result | MB Qualifier | RL  | MDL                                   | Unit | D | Prepared | Analyzed       | Dil Fac |
| Sulfate                               | <5.0      |              | 5.0 |                                       | mg/L |   |          | 06/22/11 04:51 | 1       |

| <b>Lab Sample ID: LCS 500-117226/4</b> |             |            |               | <b>Client Sample ID: Lab Control Sample</b> |   |       |               |  |
|--|-------------|------------|---------------|---|---|-------|---------------|--|
| <b>Matrix: Water</b>                   |             |            |               | <b>Prep Type: Total/NA</b>                  |   |       |               |  |
| <b>Analysis Batch: 117226</b>          |             |            |               |   |   |       |               |  |
| Analyte                                | Spike Added | LCS Result | LCS Qualifier | Unit  | D | % Rec | % Rec. Limits |  |
| Sulfate                                | 20.0        | 18.8       |               | mg/L  |   | 94    | 80 - 120      |  |

| <b>Lab Sample ID: 500-35413-9 MS</b> |               |                  |             | <b>Client Sample ID: MW-9</b> |              |      |   |       |               |
|--------------------------------------|---------------|------------------|-------------|-------------------------------|--------------|------|---|-------|---------------|
| <b>Matrix: Water</b>                 |               |                  |             | <b>Prep Type: Dissolved</b>   |              |      |   |       |               |
| <b>Analysis Batch: 117226</b>        |               |                  |             |                               |              |      |   |       |               |
| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result                     | MS Qualifier | Unit | D | % Rec | % Rec. Limits |
| Sulfate                              | 410           |                  | 800         | 1240                          |              | mg/L |   | 104   | 75 - 125      |

| <b>Lab Sample ID: 500-35413-9 MSD</b> |               |                  |             | <b>Client Sample ID: MW-9</b> |               |      |   |       |               |     |           |
|---------------------------------------|---------------|------------------|-------------|-------------------------------|---------------|------|---|-------|---------------|-----|-----------|
| <b>Matrix: Water</b>                  |               |                  |             | <b>Prep Type: Dissolved</b>   |               |      |   |       |               |     |           |
| <b>Analysis Batch: 117226</b>         |               |                  |             |                               |               |      |   |       |               |     |           |
| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result                    | MSD Qualifier | Unit | D | % Rec | % Rec. Limits | RPD | RPD Limit |
| Sulfate                               | 410           |                  | 800         | 1320                          |               | mg/L |   | 114   | 75 - 125      | 7   | 20        |

## Method: 9251 - Chloride

| <b>Lab Sample ID: MB 500-117823/11</b> |           |              |     | <b>Client Sample ID: Method Blank</b> |      |   |          |                |         |
|--|-----------|--------------|-----|---------------------------------------|------|---|----------|----------------|---------|
| <b>Matrix: Water</b>                   |           |              |     | <b>Prep Type: Total/NA</b>            |      |   |          |                |         |
| <b>Analysis Batch: 117823</b>          |           |              |     |                                       |      |   |          |                |         |
| 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       |

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



# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

## Method: 9251 - Chloride (Continued)

**Lab Sample ID: 500-35413-3 MS**  
**Matrix: Water**  
**Analysis Batch: 117823**

**Client Sample ID: MW-3**  
**Prep Type: Dissolved**

| Analyte  | Sample | Sample    | Spike | MS     | MS        | Unit | D | % Rec | % Rec.   |  |
|----------|--------|-----------|-------|--------|-----------|------|---|-------|----------|--|
|          | Result | Qualifier | Added | Result | Qualifier |      |   |       | Limits   |  |
| Chloride | 100    |           | 50.0  | 139    | F         | mg/L |   | 73    | 75 - 125 |  |

**Lab Sample ID: 500-35413-3 MSD**  
**Matrix: Water**  
**Analysis Batch: 117823**

**Client Sample ID: MW-3**  
**Prep Type: Dissolved**

| Analyte  | Sample | Sample    | Spike | MSD    | MSD       | Unit | D | % Rec | % Rec.   |     | RPD   |
|----------|--------|-----------|-------|--------|-----------|------|---|-------|----------|-----|-------|
|          | Result | Qualifier | Added | Result | Qualifier |      |   |       | Limits   | RPD | Limit |
| Chloride | 100    |           | 50.0  | 141    |           | mg/L |   | 76    | 75 - 125 | 1   | 20    |

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

**Lab Sample ID: MB 500-116645/1**  
**Matrix: Water**  
**Analysis Batch: 116645**

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

| Analyte                | MB     | MB        | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
|                        | Result | Qualifier |    |     |      |   |          |                |         |
| Total Dissolved Solids | <10    |           | 10 |     | mg/L |   |          | 06/15/11 22:20 | 1       |

**Lab Sample ID: LCS 500-116645/2**  
**Matrix: Water**  
**Analysis Batch: 116645**

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

| Analyte                | Spike Added | LCS    | LCS       | Unit | D | % Rec | % Rec.   |  |
|------------------------|-------------|--------|-----------|------|---|-------|----------|--|
|                        |             | Result | Qualifier |      |   |       | Limits   |  |
| Total Dissolved Solids | 250         | 240    |           | mg/L |   | 96    | 80 - 120 |  |

**Lab Sample ID: MB 500-117221/1**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

| Analyte                | MB     | MB        | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
|                        | Result | Qualifier |    |     |      |   |          |                |         |
| Total Dissolved Solids | <10    |           | 10 |     | mg/L |   |          | 06/21/11 21:41 | 1       |

**Lab Sample ID: LCS 500-117221/2**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

| Analyte                | Spike Added | LCS    | LCS       | Unit | D | % Rec | % Rec.   |  |
|------------------------|-------------|--------|-----------|------|---|-------|----------|--|
|                        |             | Result | Qualifier |      |   |       | Limits   |  |
| Total Dissolved Solids | 250         | 230    |           | mg/L |   | 92    | 80 - 120 |  |

## Method: SM 4500 F C - Fluoride

**Lab Sample ID: MB 500-117886/3**  
**Matrix: Water**  
**Analysis Batch: 117886**

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

| Analyte  | MB     | MB        | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
|          | Result | Qualifier |      |     |      |   |          |                |         |
| 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 Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

## Method: SM 4500 F C - Fluoride (Continued)

| <b>Lab Sample ID: LCS 500-117886/4</b> |             |            |               | <b>Client Sample ID: Lab Control Sample</b> |   |       |               |  |  |  |
|--|-------------|------------|---------------|---|---|-------|---------------|--|--|--|
| <b>Matrix: Water</b>                   |             |            |               | <b>Prep Type: Total/NA</b>                  |   |       |               |  |  |  |
| <b>Analysis Batch: 117886</b>          |             |            |               |   |   |       |               |  |  |  |
| Analyte                                | Spike Added | LCS Result | LCS Qualifier | Unit  | D | % Rec | % Rec. Limits |  |  |  |
| Fluoride                               | 10.0        | 10.2       |               | mg/L  |   | 102   | 80 - 120      |  |  |  |

| <b>Lab Sample ID: 500-35413-1 MS</b> |               |                  |             | <b>Client Sample ID: MW-1</b> |              |      |   |       |               |  |
|--------------------------------------|---------------|------------------|-------------|-------------------------------|--------------|------|---|-------|---------------|--|
| <b>Matrix: Water</b>                 |               |                  |             | <b>Prep Type: Dissolved</b>   |              |      |   |       |               |  |
| <b>Analysis Batch: 117886</b>        |               |                  |             |                               |              |      |   |       |               |  |
| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result                     | MS Qualifier | Unit | D | % Rec | % Rec. Limits |  |
| Fluoride                             | 0.53          |                  | 5.00        | 5.55                          |              | mg/L |   | 100   | 75 - 125      |  |

| <b>Lab Sample ID: 500-35413-1 MSD</b> |               |                  |             | <b>Client Sample ID: MW-1</b> |               |      |   |       |               |     |           |
|---------------------------------------|---------------|------------------|-------------|-------------------------------|---------------|------|---|-------|---------------|-----|-----------|
| <b>Matrix: Water</b>                  |               |                  |             | <b>Prep Type: Dissolved</b>   |               |      |   |       |               |     |           |
| <b>Analysis Batch: 117886</b>         |               |                  |             |                               |               |      |   |       |               |     |           |
| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result                    | MSD Qualifier | Unit | D | % Rec | % Rec. Limits | RPD | RPD Limit |
| Fluoride                              | 0.53          |                  | 5.00        | 5.58                          |               | mg/L |   | 101   | 75 - 125      | 1   | 20        |

## Method: SM 4500 NO2 B - Nitrogen, Nitrite

| <b>Lab Sample ID: MB 500-116893/3</b> |           |              |       | <b>Client Sample ID: Method Blank</b> |      |   |          |                |         |  |
|---------------------------------------|-----------|--------------|-------|---------------------------------------|------|---|----------|----------------|---------|--|
| <b>Matrix: Water</b>                  |           |              |       | <b>Prep Type: Total/NA</b>            |      |   |          |                |         |  |
| <b>Analysis Batch: 116893</b>         |           |              |       |                                       |      |   |          |                |         |  |
| 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       |  |

| <b>Lab Sample ID: LCS 500-116893/4</b> |             |            |               | <b>Client Sample ID: Lab Control Sample</b> |   |       |               |  |  |  |
|--|-------------|------------|---------------|---|---|-------|---------------|--|--|--|
| <b>Matrix: Water</b>                   |             |            |               | <b>Prep Type: Total/NA</b>                  |   |       |               |  |  |  |
| <b>Analysis Batch: 116893</b>          |             |            |               |   |   |       |               |  |  |  |
| Analyte                                | Spike Added | LCS Result | LCS Qualifier | Unit  | D | % Rec | % Rec. Limits |  |  |  |
| Nitrogen, Nitrite                      | 0.100       | 0.110      |               | mg/L  |   | 110   | 80 - 120      |  |  |  |

## Method: SM 4500 NO3 F - Nitrogen, Nitrate

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

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

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# QC Sample Results

Client: Midwest Generation EME LLC  
 Project/Site: Midwest Generation Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

## Method: SM 4500 NO3 F - Nitrogen, Nitrate (Continued)

| Lab Sample ID: 500-35413-10 MS |               |                  |             |           |              |      |   |       |               | Client Sample ID: MW-10 |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|-------|---------------|-------------------------|--|
| Matrix: Water                  |               |                  |             |           |              |      |   |       |               | Prep Type: Dissolved    |  |
| Analysis Batch: 117954         |               |                  |             |           |              |      |   |       |               |                         |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | % Rec | % Rec. Limits |                         |  |
| Nitrogen, Nitrate Nitrite      | <0.10         |                  | 1.00        | 1.07      |              | mg/L |   | 107   | 75 - 125      |                         |  |

| Lab Sample ID: 500-35413-10 MSD |               |                  |             |            |               |      |   |       |               | Client Sample ID: MW-10 |       |
|---------------------------------|---------------|------------------|-------------|------------|---------------|------|---|-------|---------------|-------------------------|-------|
| Matrix: Water                   |               |                  |             |            |               |      |   |       |               | Prep Type: Dissolved    |       |
| Analysis Batch: 117954          |               |                  |             |            |               |      |   |       |               |                         |       |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | % Rec | % Rec. Limits | RPD                     | Limit |
| Nitrogen, Nitrate Nitrite       | <0.10         |                  | 1.00        | 1.05       |               | mg/L |   | 105   | 75 - 125      | 2                       | 20    |

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60464  
 Phone 708.634.5200 Fax 708.634.5211

Report To (optional) \_\_\_\_\_  
 Contact: Dave McLean  
 Company: Patrick Engineering  
 Address: 4985 Varsity Dr.  
Alsie, IL 60552  
 Phone: (630) 427-7400  
 Fax: (630) 434-8320  
 E-Mail: \_\_\_\_\_

Bill To (optional) \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 PO#/Reference# \_\_\_\_\_

## Chain of Custody Record

Lab Job #: 500-35413  
 Chain of Custody Number: \_\_\_\_\_  
 Page \_\_\_\_\_ of \_\_\_\_\_  
 Temperature °C of Cooler: (3.4)(3.1)

| Lab ID | MS/MS? | Sample ID | Date    | Sampling Time | # of Containers | Matrix | Preservative                  | Preservative Key   |                      | Comments |
|--------|--------|-----------|---------|---------------|-----------------|--------|-------------------------------|--------------------|----------------------|----------|
|        |        |           |         |               |                 |        |                               | 1. HCL, Cool to 4° | 2. H2SO4, Cool to 4° |          |
| 1      |        | MW-1      | 6/15/11 | 1210          | 5               | W      | 7478A-Mercury Hg              | X                  |                      |          |
| 2      |        | MW-2      | 6/15/11 | 1125          | 5               | W      | 2546C-TOTAL Diss Solids       | X                  |                      |          |
| 3      |        | MW-3      | 6/15/11 | 1305          | 5               | W      | 450C-F-C-Fluoride             | X                  |                      |          |
| 4      |        | MW-4      | 6/15/11 | 1330          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 5      |        | MW-5      | 6/15/11 | 1240          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 6      |        | MW-6      | 6/15/11 | 0740          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 7      |        | MW-7      | 6/15/11 | 0935          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 8      |        | MW-8      | 6/15/11 | 0700          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 9      |        | MW-9      | 6/15/11 | 1020          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |
| 10     |        | MW-10     | 6/15/11 | 0820          | 5               | W      | MC-8-Nitrogen Nitrate Nitrite | X                  |                      |          |

Turnaround Time Required (Business Days) \_\_\_\_\_ 1 Day \_\_\_\_\_ 2 Days \_\_\_\_\_ 5 Days \_\_\_\_\_ 7 Days \_\_\_\_\_ 10 Days \_\_\_\_\_ 15 Days \_\_\_\_\_ Other \_\_\_\_\_  
 Requested Due Date \_\_\_\_\_

Sample Disposal:  Return to Origin  Disposal by Lab  Archive for \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Received By: Patrick Eng. Date: 6/15/11 Time: 1420  
 Received By: [Signature] Date: 6/15/11 Time: 1720  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Company: Patrick Eng. Company: Patrick Eng. Company: \_\_\_\_\_

Client Comments: \_\_\_\_\_

Lab Counter: \_\_\_\_\_ Shipped: \_\_\_\_\_ Hand Delivered: \_\_\_\_\_

Matrix Key:  
 WW - Wastewater  
 W - Water  
 S - Soil  
 SL - Sludge  
 MS - Miscellaneous  
 DL - Oil  
 A - Air  
 SF - Sediment  
 SO - Soil  
 L - Leachate  
 WI - Wipes  
 DW - Drinking Water  
 O - Other



## Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-35413-1

Login Number: 35413

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 Will Co. Groundwater

TestAmerica Job ID: 500-35413-1

| Laboratory          | Authority      | Program             | EPA Region | Certification ID |
|---------------------|----------------|---------------------|------------|------------------|
| TestAmerica Chicago | ACLASS         | DoD ELAP            |            | ADE-1429         |
| TestAmerica Chicago | ACLASS         | 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.

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