TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 500-29649-1

Job Description: Will County Coal Combustion Product

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

Attention: Beckie Maddox

Cindy Pritchard

Approved for release.
Cindy R Pritchard
Project Mgmt. Assistant
12/16/2010 8:39 AM

Designee for
Bonnie M Stadelmann
Project Manager II
bonnie.stadelmann@testamericainc.com
12/16/2010

cc: Ms. Maria Race

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.
TestAmerica Buffalo NY00044
TestAmerica North Canton 9503
TestAmerica St. Louis MO00054
TestAmerica Watertown WI00038

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

TestAmerica Laboratories, Inc.
TestAmerica Chicago 2417 Bond Street, University Park, IL 60484
Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

MWG13-15 14705

EXHIBIT
MWG-S12

Job Narrative
500-29649-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 9056: The chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 101651 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. 3 South Bottom Ash (500-29649-1)

No other analytical or quality issues were noted.

MWG13-15_14706

EXECUTIVE SUMMARY - Detections

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-29649-1	3 SOUTH BOTTOM ASH				
TCLP					
Barium		0.96	0.50	mg/L	6010B
Chromium		0.029	0.025	mg/L	6010B
ASTM					
Boron		1.3	0.10	mg/L	6020
Chloride-ASTM		0.97	0.20	mg/L	9056
Fluoride-ASTM		0.26	0.20	mg/L	9056
Sulfate-ASTM		49	4.0	mg/L	9056
Total Dissolved Solids-ASTM		200	10	mg/L	SM 2540C

METHOD SUMMARY

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
TCLP Metals (ICP)	TAL CHI	SW846 6010B	
Toxicity Characteristic Leaching Procedure	TAL CHI		SW846 1311
Preparation, Total Metals	TAL CHI		SW846 3010A
Metals (ICP/MS)	TAL CHI	SW846 6020	
ASTM Leaching Procedure	TAL CHI		ASTM D3987-85
Preparation, Total Metals	TAL CHI		SW846 3010A
Mercury (CVAA)	TAL CHI	SW846 7470A	
ASTM Leaching Procedure	TAL CHI		ASTM D3987-85
Preparation, Mercury	TAL CHI		SW846 7470A
TCLP Mercury	TAL CHI	SW846 7470A	
TCLP Extraction	TAL CHI		SW846 1311
Preparation, Mercury	TAL CHI		SW846 7470A
Cyanide	TAL CHI	SW846 9014	
ASTM Leaching Procedure	TAL CHI		ASTM D3987-85
Cyanide, Distillation	TAL CHI		SW846 9010B
Anions, Ion Chromatography	TAL CHI	SW846 9056	
ASTM Leaching Procedure	TAL CHI		ASTM D3987-85
Solids, Total Dissolved (TDS)	TAL CHI	SM SM 2540C	
ASTM Leaching Procedure	TAL CHI		ASTM D3987-85

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

ASTM = ASTM International

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.

METHOD / ANALYST SUMMARY

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Method	Analyst	Analyst ID
SW846 6010B	Smith, Todd D	TDS
SW846 6020	Kolarczyk, Paul F	PFK
SW846 7470A	Roach, Jessica	JR
SW846 9014	Moore, Colleen L	CLM
SW846 9056	Ficarello, Peter M	PMF
SM SM 2540C	Boyd, Cheryl L	CLB

SAMPLE SUMMARY

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-29649-1	3 South Bottom Ash	Solid	12/02/2010 1045	12/03/2010 1000

SAMPLE RESULTS

Beckie Maddox
Midwest Generation EME LLC
529 E 135th Street
Romeoville, IL 60446-1538

Job Number: 500-29649-1

Client Sample ID: 3 South Bottom Ash
Lab Sample ID: 500-29649-1

Date Sampled: 12/02/2010 1045
Date Received: 12/03/2010 1000
Client Matrix: Solid

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: TCLP-6010B		Date Analyzed:	12/09/2010 1855	
Prep Method: 3010A		Date Prepared:	12/09/2010 0745	
Arsenic	<0.050	mg/L	0.050	1.0
Barium	0.96	mg/L	0.50	1.0
Cadmium	<0.0050	mg/L	0.0050	1.0
Chromium	0.029	mg/L	0.025	1.0
Lead	<0.0075	mg/L	0.0075	1.0
Selenium	<0.050	mg/L	0.050	1.0
Silver	<0.025	mg/L	0.025	1.0
Method: ASTM-6020		Date Analyzed:	12/13/2010 1951	
Prep Method: 3010A		Date Prepared:	12/09/2010 0745	
Beryllium	<0.0040	mg/L	0.0040	1.0
Boron	1.3	mg/L	0.10	1.0
Method: ASTM-6020		Date Analyzed:	12/14/2010 1538	
Prep Method: 3010A		Date Prepared:	12/09/2010 0745	
Antimony	<0.0060	mg/L	0.0060	1.0
Arsenic	<0.050	mg/L	0.050	1.0
Barium	<0.50	mg/L	0.50	1.0
Cadmium	<0.0050	mg/L	0.0050	1.0
Chromium	<0.025	mg/L	0.025	1.0
Cobalt	<0.025	mg/L	0.025	1.0
Copper	<0.025	mg/L	0.025	1.0
Iron	<0.10	mg/L	0.10	1.0
Lead	<0.0075	mg/L	0.0075	1.0
Manganese	<0.025	mg/L	0.025	1.0
Nickel	<0.025	mg/L	0.025	1.0
Selenium	<0.050	mg/L	0.050	1.0
Silver	<0.025	mg/L	0.025	1.0
Thallium	<0.0020	mg/L	0.0020	1.0
Zinc	<0.10	mg/L	0.10	1.0
Method: TCLP-7470A		Date Analyzed:	12/09/2010 1225	
Prep Method: 7470A		Date Prepared:	12/08/2010 1100	
Mercury	<0.0020	mg/L	0.0020	1.0
Method: ASTM-7470A		Date Analyzed:	12/09/2010 1245	
Prep Method: 7470A		Date Prepared:	12/08/2010 1100	
Mercury	<0.0020	mg/L	0.0020	1.0
Method: ASTM-8014		Date Analyzed:	12/14/2010 1453	
Prep Method: 9010B		Date Prepared:	12/14/2010 1110	

MWG13-15_14712

Beckie Maddox
Midwest Generation EME LLC
529 E 135th Street
Romeoville, IL 60446-1538

Job Number: 500-29649-1

Client Sample ID: 3 South Bottom Ash
Lab Sample ID: 500-29649-1

Date Sampled: 12/02/2010 1045
Date Received: 12/03/2010 1000
Client Matrix: Solid

Analyte	Result/Qualifier	Unit	RL	Dilution
Cyanide, Total	<0.010	mg/L	0.010	1.0
Method: ASTM-9056		Date Analyzed:	12/09/2010 1106	
Chloride	0.97	mg/L	0.20	1.0
Fluoride	0.26	mg/L	0.20	1.0
Nitrate as N	<0.10	mg/L	0.10	1.0
Method: ASTM-9056		Date Analyzed:	12/10/2010 1135	
Sulfate	49	mg/L	4.0	20
Method: ASTM-SM 2540C		Date Analyzed:	12/08/2010 2325	
Total Dissolved Solids	200	mg/L	10	1.0

DATA REPORTING QUALIFIERS

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Section	Qualifier	Description
General Chemistry		
	F	MS or MSD exceeds the control limits

QUALITY CONTROL RESULTS

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-101410					
LB2 500-101410/2-C	TCLP SPLPW Leachate Blank	P	Solid	1311	
LB2 500-101410/2-F	TCLP SPLPW Leachate Blank	P	Solid	1311	
500-29649-1	3 South Bottom Ash	P	Solid	1311	
Prep Batch: 500-101413					
LB3 500-101413/1-B	Neutral Leach or MeOH Extraction Blank	Y	Solid	D3987-85	
LB3 500-101413/1-C	Neutral Leach or MeOH Extraction Blank	Y	Solid	D3987-85	
500-29649-1	3 South Bottom Ash	Y	Solid	D3987-85	
Prep Batch: 500-101478					
LCS 500-101478/8-A	Lab Control Sample	T	Water	7470A	
MB 500-101478/7-A	Method Blank	T	Water	7470A	
LB2 500-101410/2-C	TCLP SPLPW Leachate Blank	P	Solid	7470A	500-101410
LB3 500-101413/1-B	Neutral Leach or MeOH Extraction Blank	Y	Solid	7470A	500-101413
500-29649-1	3 South Bottom Ash	P	Solid	7470A	500-101410
500-29649-1	3 South Bottom Ash	Y	Solid	7470A	500-101413
Prep Batch: 500-101565					
LCS 500-101565/5-A	Lab Control Sample	T	Water	3010A	
LB2 500-101410/2-F	TCLP SPLPW Leachate Blank	P	Solid	3010A	500-101410
LB3 500-101413/1-C	Neutral Leach or MeOH Extraction Blank	Y	Solid	3010A	500-101413
500-29649-1	3 South Bottom Ash	P	Solid	3010A	500-101410
500-29649-1	3 South Bottom Ash	Y	Solid	3010A	500-101413
Analysis Batch:500-101594					
LB3 500-101413/1-B	Neutral Leach or MeOH Extraction Blank	Y	Solid	7470A	500-101478
LB2 500-101410/2-C	TCLP SPLPW Leachate Blank	P	Solid	7470A	500-101478
LCS 500-101478/8-A	Lab Control Sample	T	Water	7470A	500-101478
MB 500-101478/7-A	Method Blank	T	Water	7470A	500-101478
500-29649-1	3 South Bottom Ash	P	Solid	7470A	500-101478
500-29649-1	3 South Bottom Ash	Y	Solid	7470A	500-101478
Analysis Batch:500-101649					
LB2 500-101410/2-F	TCLP SPLPW Leachate Blank	P	Solid	6010B	500-101565
LCS 500-101565/5-A	Lab Control Sample	T	Water	6010B	500-101565
500-29649-1	3 South Bottom Ash	P	Solid	6010B	500-101565

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-101835					
LB3 500-101413/1-C	Neutral Leach or MeOH Extraction Blank	Y	Solid	6020	500-101565
LCS 500-101565/5-A	Lab Control Sample	T	Water	6020	500-101565
500-29649-1	3 South Bottom Ash	Y	Solid	6020	500-101565
Analysis Batch:500-101913					
LB3 500-101413/1-C	Neutral Leach or MeOH Extraction Blank	Y	Solid	6020	500-101565
LCS 500-101565/5-A	Lab Control Sample	T	Water	6020	500-101565
500-29649-1	3 South Bottom Ash	Y	Solid	6020	500-101565

Report Basis
Y = ASTM
P = TCLP
T = Total

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 500-101413					
LB3 500-101413/1-A	Neutral Leach or MeOH Extraction Blank	Y	Solid	D3987-85	
LB3 500-101413/1-D	Neutral Leach or MeOH Extraction Blank	Y	Solid	D3987-85	
500-29649-1	3 South Bottom Ash	Y	Solid	D3987-85	
500-29649-1MS	Matrix Spike	Y	Solid	D3987-85	
500-29649-1MSD	Matrix Spike Duplicate	Y	Solid	D3987-85	
Analysis Batch:500-101531					
500-29649-1	3 South Bottom Ash	Y	Solid	SM 2540C	
Analysis Batch:500-101651					
LCS 500-101651/15	Lab Control Sample	T	Solid	9056	
MB 500-101651/30	Method Blank	T	Solid	9056	
LB3 500-101413/1-A	Neutral Leach or MeOH Extraction Blank	Y	Solid	9056	
500-29649-1	3 South Bottom Ash	Y	Solid	9056	
500-29649-1MS	Matrix Spike	Y	Solid	9056	
500-29649-1MSD	Matrix Spike Duplicate	Y	Solid	9056	
Analysis Batch:500-101723					
LCS 500-101723/19	Lab Control Sample	T	Solid	9056	
MB 500-101723/16	Method Blank	T	Solid	9056	
500-29649-1	3 South Bottom Ash	Y	Solid	9056	
Prep Batch: 500-101844					
HLCS 500-101844/3-A	High Level Control Sample	T	Water	9010B	
LCS 500-101844/2-A	Lab Control Sample	T	Water	9010B	
LLCS 500-101844/4-A	Low Level Control Sample	T	Water	9010B	
MB 500-101844/1-A	Method Blank	T	Water	9010B	
LB3 500-101413/1-D	Neutral Leach or MeOH Extraction Blank	Y	Solid	9010B	500-101413
500-29649-1	3 South Bottom Ash	Y	Solid	9010B	500-101413
Analysis Batch:500-101891					
LB3 500-101413/1-D	Neutral Leach or MeOH Extraction Blank	Y	Solid	9014	500-101844
HLCS 500-101844/3-A	High Level Control Sample	T	Water	9014	500-101844
LCS 500-101844/2-A	Lab Control Sample	T	Water	9014	500-101844
LLCS 500-101844/4-A	Low Level Control Sample	T	Water	9014	500-101844
MB 500-101844/1-A	Method Blank	T	Water	9014	500-101844
500-29649-1	3 South Bottom Ash	Y	Solid	9014	500-101844

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
Y = ASTM
T = Total

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

TCLP SPLPW Leachate Blank - Batch: 500-101565

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB2 500-101410/2-F
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1818
Date Prepared: 12/09/2010 0745
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101649
Prep Batch: 500-101565
Units: mg/L

Leachate Batch: 500-101410

Instrument ID: ICP5
Lab File ID: P51209B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<0.050		0.050
Barium	<0.50		0.50
Cadmium	<0.0050		0.0050
Chromium	<0.025		0.025
Lead	<0.0075		0.0075
Selenium	<0.050		0.050
Silver	<0.025		0.025

Lab Control Sample - Batch: 500-101565

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 500-101565/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1830
Date Prepared: 12/09/2010 0745

Analysis Batch: 500-101649
Prep Batch: 500-101565
Units: mg/L

Instrument ID: ICP5
Lab File ID: P51209B
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.100	0.0922	92	80 - 120	
Barium	0.500	<0.50	97	80 - 120	
Cadmium	0.0500	0.0467	93	80 - 120	
Chromium	0.200	0.192	96	80 - 120	
Lead	0.100	0.0939	94	80 - 120	
Selenium	0.100	0.0851	85	80 - 120	
Silver	0.0500	0.0465	93	80 - 120	

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Neutral Leach or MeOH Extraction Blank - Batch: 500-101565

Method: 6020
Preparation: 3010A
ASTM

Lab Sample ID: LB3 500-101413/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/13/2010 1946
Date Prepared: 12/09/2010 0745
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101835
Prep Batch: 500-101565
Units: mg/L

Leachate Batch: 500-101413

Instrument ID: ICPMS2
Lab File ID: MS2121310E.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Beryllium	<0.0040		0.0040
Boron	<0.10		0.10

Neutral Leach or MeOH Extraction Blank - Batch: 500-101565

Method: 6020
Preparation: 3010A
ASTM

Lab Sample ID: LB3 500-101413/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2010 1527
Date Prepared: 12/09/2010 0745
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101913
Prep Batch: 500-101565
Units: mg/L

Leachate Batch: 500-101413

Instrument ID: ICPMS2
Lab File ID: MS2121410B.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	<0.0060		0.0060
Arsenic	<0.050		0.050
Barium	<0.50		0.50
Cadmium	<0.0050		0.0050
Chromium	<0.025		0.025
Cobalt	<0.025		0.025
Copper	<0.025		0.025
Iron	<0.10		0.10
Lead	<0.0075		0.0075
Manganese	<0.025		0.025
Nickel	<0.025		0.025
Selenium	<0.050		0.050
Silver	<0.025		0.025
Thallium	<0.0020		0.0020
Zinc	<0.10		0.10

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Control Sample - Batch: 500-101565

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 500-101565/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/13/2010 1949
Date Prepared: 12/09/2010 0745

Analysis Batch: 500-101835
Prep Batch: 500-101565
Units: mg/L

Instrument ID: ICPMS2
Lab File ID: MS2121310E.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Beryllium	0.0500	0.0464	93	80 - 120	
Boron	1.00	1.01	101	80 - 120	

Lab Control Sample - Batch: 500-101565

Method: 6020
Preparation: 3010A

Lab Sample ID: LCS 500-101565/5-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/14/2010 1529
Date Prepared: 12/09/2010 0745

Analysis Batch: 500-101913
Prep Batch: 500-101565
Units: mg/L

Instrument ID: ICPMS2
Lab File ID: MS2121410B.csv
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.500	0.469	94	80 - 120	
Arsenic	0.100	0.0875	88	80 - 120	
Barium	0.500	<0.50	94	80 - 120	
Cadmium	0.0500	0.0478	96	80 - 120	
Chromium	0.200	0.196	98	80 - 120	
Cobalt	0.500	0.485	97	80 - 120	
Copper	0.250	0.254	102	80 - 120	
Iron	1.00	0.900	90	80 - 120	
Lead	0.100	0.0961	96	80 - 120	
Manganese	0.500	0.474	95	80 - 120	
Nickel	0.500	0.501	100	80 - 120	
Selenium	0.100	0.0802	80	80 - 120	
Silver	0.0500	0.0534	107	80 - 120	
Thallium	0.100	0.100	100	80 - 120	
Zinc	0.500	0.439	88	80 - 120	

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Method Blank - Batch: 500-101478

Method: 7470A
Preparation: 7470A

Lab Sample ID: MB 500-101478/7-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1158
Date Prepared: 12/08/2010 1100

Analysis Batch: 500-101594
Prep Batch: 500-101478
Units: mg/L

Instrument ID: HG6
Lab File ID: 120910R.CSV
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Mercury	<0.00020		0.00020

TCLP SPLPW Leachate Blank - Batch: 500-101478

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB2 500-101410/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1217
Date Prepared: 12/08/2010 1100
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101594
Prep Batch: 500-101478
Units: mg/L

Leachate Batch: 500-101410

Instrument ID: HG6
Lab File ID: 120910R.CSV
Initial Weight/Volume: 2.5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Mercury	<0.0020		0.0020

Neutral Leach or MeOH Extraction Blank - Batch: 500-101478

Method: 7470A
Preparation: 7470A
ASTM

Lab Sample ID: LB3 500-101413/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1244
Date Prepared: 12/08/2010 1100
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101594
Prep Batch: 500-101478
Units: mg/L

Leachate Batch: 500-101413

Instrument ID: HG6
Lab File ID: 120910R.CSV
Initial Weight/Volume: 2.5 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	RL
Mercury	<0.0020		0.0020

Quality Control Results

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Control Sample - Batch: 500-101478

Method: 7470A
Preparation: 7470A

Lab Sample ID: LCS 500-101478/8-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/09/2010 1200
Date Prepared: 12/08/2010 1100

Analysis Batch: 500-101594
Prep Batch: 500-101478
Units: mg/L

Instrument ID: HG6
Lab File ID: 120910R.CSV
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00200	0.00207	104	80 - 120	

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Method Blank - Batch: 500-101844

Method: 9014
Preparation: 9010B

Lab Sample ID: MB 500-101844/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/14/2010 1450
Date Prepared: 12/14/2010 1110

Analysis Batch: 500-101891
Prep Batch: 500-101844
Units: mg/L

Instrument ID: SPEC5
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Cyanide, Total-ASTM	<0.010		0.010

Neutral Leach or MeOH Extraction Blank - Batch: 500-101844

Method: 9014
Preparation: 9010B
ASTM

Lab Sample ID: LB3 500-101413/1-D
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/14/2010 1453
Date Prepared: 12/14/2010 1110
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101891
Prep Batch: 500-101844
Units: mg/L

Leachate Batch: 500-101413

Instrument ID: SPEC5
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Cyanide, Total-ASTM	<0.010		0.010

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Lab Control Sample - Batch: 500-101844

Method: 9014
Preparation: 9010B

Lab Sample ID: LCS 500-101844/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/14/2010 1450
Date Prepared: 12/14/2010 1110

Analysis Batch: 500-101891
Prep Batch: 500-101844
Units: mg/L

Instrument ID: SPEC5
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total-ASTM	0.100	0.0963	96	80 - 120	

High Level Control Sample - Batch: 500-101844

Method: 9014
Preparation: 9010B

Lab Sample ID: HLCS 500-101844/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/14/2010 1451
Date Prepared: 12/14/2010 1110

Analysis Batch: 500-101891
Prep Batch: 500-101844
Units: mg/L

Instrument ID: SPEC5
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total-ASTM	0.400	0.393	98	90 - 110	

Low Level Control Sample - Batch: 500-101844

Method: 9014
Preparation: 9010B

Lab Sample ID: LLCS 500-101844/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/14/2010 1451
Date Prepared: 12/14/2010 1110

Analysis Batch: 500-101891
Prep Batch: 500-101844
Units: mg/L

Instrument ID: SPEC5
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total-ASTM	0.0400	0.0386	96	75 - 125	

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Neutral Leach or MeOH Extraction Blank - Batch: 500-101651

Method: 9056
Preparation: N/A

Lab Sample ID: LB3 500-101413/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1121
Date Prepared: N/A
Date Leached: 12/07/2010 1430

Analysis Batch: 500-101651
Prep Batch: N/A
Units: mg/L

Leachate Batch: 500-101413

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101:
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride-ASTM	<0.20		0.20
Fluoride-ASTM	<0.20		0.20
Nitrate as N-ASTM	<0.10		0.10

Method Blank - Batch: 500-101651

Method: 9056
Preparation: N/A

Lab Sample ID: MB 500-101651/30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1434
Date Prepared: N/A

Analysis Batch: 500-101651
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101:
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride-ASTM	<0.20		0.20
Fluoride-ASTM	<0.20		0.20
Nitrate as N-ASTM	<0.10		0.10

Lab Control Sample - Batch: 500-101651

Method: 9056
Preparation: N/A

Lab Sample ID: LCS 500-101651/15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/09/2010 1051
Date Prepared: N/A

Analysis Batch: 500-101651
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101:
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride-ASTM	3.00	2.98	99	80 - 120	
Fluoride-ASTM	1.00	1.00	100	80 - 120	
Nitrate as N-ASTM	2.00	1.98	99	80 - 120	

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-101651

Method: 9056
Preparation: N/A

MS Lab Sample ID:	500-29649-1	Analysis Batch: 500-101651	Instrument ID: IC4
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: C:\PEAKNET\DATA\2010
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	12/09/2010 1305		Final Weight/Volume: 100 mL
Date Prepared:	N/A		
Date Leached:	12/07/2010 1430	Leachate Batch: 500-101413	

MSD Lab Sample ID:	500-29649-1	Analysis Batch: 500-101651	Instrument ID: IC4
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: C:\PEAKNET\DATA\20101:
Dilution:	1.0		Initial Weight/Volume:
Date Analyzed:	12/09/2010 1404		Final Weight/Volume: 100 mL
Date Prepared:	N/A		
Date Leached:	12/07/2010 1430	Leachate Batch: 500-101413	

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride-ASTM	138	130	75 - 125	5	20	F	F
Fluoride-ASTM	118	122	75 - 125	2	20		
Nitrate as N-ASTM	117	113	75 - 125	4	20		

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Method Blank - Batch: 500-101723

Method: 9056
Preparation: N/A

Lab Sample ID: MB 500-101723/18
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/10/2010 1105
Date Prepared: N/A

Analysis Batch: 500-101723
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101:
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate-ASTM	<0.20		0.20

Lab Control Sample - Batch: 500-101723

Method: 9056
Preparation: N/A

Lab Sample ID: LCS 500-101723/19
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/10/2010 1120
Date Prepared: N/A

Analysis Batch: 500-101723
Prep Batch: N/A
Units: mg/L

Instrument ID: IC4
Lab File ID: C:\PEAKNET\DATA\20101:
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate-ASTM	5.00	5.10	102	80 - 120	

SEVERN TRENT **STL**

Chicago Laboratory
17 Bond Street
Lombard, IL 60148
Phone: 708-534-5200
Fax: 708-534-5211

Report To:
Contact: Beckie Maddox
Company: Midwest Generation–Will County Station
Address: 529 East 135th Street
Romeoville, IL 60446
Phone: 815-372-4589
Fax: 815-886-4296

Bill To:
Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only ___ of ___

Lab Lot # 500-29649

Package Sealed	Samples Sealed
Yes No	Yes No
Received on Ice	Samples Intact
Yes No	Yes No

Temperature °C of Cooler

Within Hold Time	Preserv. Indicated
Yes No	Yes No NA
pH Check ok	Res. Cl_2 Check ok
Yes No NA	Yes No NA

Sample Labels and COC Agree
Yes No COC not present

Supplier Name: Beckie Maddox
Signature:
Project Name: Coal Combustion Product
Project Number: 4500037436
Project Location: 3S Pond
PM:
Date Required Hard Copy: / /
Fax: / /

Lab ID	MS MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Cont.	ASTM 3987 – SEE ATTACHED SHEET	TCLP - METALS
1		3 South Bottom Ash	12/2/10	1045	SO	X	X	X

Additional Analyses / Remarks
Results Copy Beckie Maddox
rmaddox@mwgen.com
815-372-4589

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Beckie Maddox	Midwest	12/2/10	0845	[illegible]	12/3/10		
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Matrix Key
/ = Wastewater
= Water
= Soil
= Sludge
= Miscellaneous
= Oil
= Air
SE = Sediment
SO = Solid
DS = Drum Solid
DL = Drum Liquid
L = Leachate
Wi = Wipe
O = ____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other ____

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. $NaOH/Zn$ Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received / /
Courier: Hand Delivered ☐
Bill of Lading:

STL Chicago Chain of Custody CH-2143 12/16/2010

MWG13-15_14730

500-29649

Run ASTM Method 3987 for the following metals listed below:

a) Inorganic Chemical Constituents
Except due to natural causes or as provided in Section 620.450, concentrations of the following chemical constituents must not be exceeded in Class I groundwater:

Constituent	Units	Standard
Antimony	mg/L	0.006
Arsenic	mg/L	0.05
Barium	mg/L	2.0
Beryllium	mg/L	0.004
Boron	mg/L	2.0
Cadmium	mg/L	0.005
Chloride	mg/L	200.0
Chromium	mg/L	0.1
Cobalt	mg/L	1.0
Copper	mg/L	0.65
Cyanide	mg/L	0.2
Fluoride	mg/L	4.0
Iron	mg/L	5.0
Lead	mg/L	0.0075
Manganese	mg/L	0.15
Mercury	mg/L	0.002
Nickel	mg/L	0.1
Nitrate as N	mg/L	10.0
Radium-226	pCi/l	20.0
Radium-228	pCi/l	20.0
Selenium	mg/L	0.05
Silver	mg/L	0.05
Sulfate	mg/L	400.0
Thallium	mg/L	0.002
Total Dissolved Solids (TDS)	mg/L	1,200
Zinc	mg/L	5.0

Login Sample Receipt Check List

Client: Midwest Generation EME LLC

Job Number: 500-29649-1

Login Number: 29649
Creator: Kelsey, Shawn M
List Number: 1

List Source: TestAmerica Chicago

Question	T / F / NA	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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	