

ANALYTICAL REPORT

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

Laboratory Job ID: 500-180157-1

Client Project/Site: Joliet Station 29 - NPDES

For:

Midwest Generation EME LLC
1800 Channahon Road
Joliet, Illinois 60436

Attn: Harrison Estepp



Authorized for release by:
4/8/2020 11:33:41 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Exhibit
1506

MWG13-15_79357

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Case Narrative

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Job ID: 500-180157-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-180157-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2020 12:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.8° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Method Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	EPA	TAL CHI
300.0	Anions, Ion Chromatography	MCAWW	TAL CHI
9045C	pH	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
SM 4500 H+ B	pH	SM	TAL CHI
200.7	Preparation, Total Metals	EPA	TAL CHI
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	MCAWW	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Sample Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-180157-1	East Clarifier	Water	04/02/20 10:20	04/02/20 12:55	
500-180157-2	West Clarifier	Water	04/02/20 10:50	04/02/20 12:55	
500-180157-3	TW-1 3-4	Solid	04/02/20 08:40	04/02/20 12:55	
500-180157-4	TW-1 12-14	Solid	04/02/20 08:40	04/02/20 12:55	
500-180157-5	TW-2 3-4	Solid	04/02/20 09:30	04/02/20 12:55	
500-180157-6	TW-2 10-14	Solid	04/02/20 09:30	04/02/20 12:55	
500-180157-7	TW-3 3-4	Solid	04/02/20 09:05	04/02/20 12:55	
500-180157-8	TW-3 12-14	Solid	04/02/20 09:05	04/02/20 12:55	

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: East Clarifier

Lab Sample ID: 500-180157-1

Date Collected: 04/02/20 10:20

Matrix: Water

Date Received: 04/02/20 12:55

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.68		0.20		mg/L		04/02/20 17:40	04/03/20 08:49	1
Manganese	0.10		0.010		mg/L		04/02/20 17:40	04/03/20 08:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	87		5.0		mg/L			04/02/20 23:04	25
pH	7.6	HF	0.2		SU			04/03/20 13:17	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: West Clarifier

Lab Sample ID: 500-180157-2

Date Collected: 04/02/20 10:50

Matrix: Water

Date Received: 04/02/20 12:55

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.20		0.20		mg/L		04/02/20 17:40	04/03/20 09:06	1
Manganese	<0.010		0.010		mg/L		04/02/20 17:40	04/03/20 09:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	63		2.0		mg/L			04/02/20 23:17	10
pH	7.6	HF	0.2		SU			04/03/20 13:21	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-1 3-4

Lab Sample ID: 500-180157-3

Date Collected: 04/02/20 08:40

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	400		20		mg/Kg		04/03/20 23:49	04/05/20 01:21	10
pH	7.5		0.2		SU			04/03/20 16:01	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-1 12-14

Lab Sample ID: 500-180157-4

Date Collected: 04/02/20 08:40

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	180		9.4		mg/Kg		04/03/20 23:49	04/05/20 01:58	5
pH	8.4		0.2		SU			04/03/20 16:03	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-2 3-4

Lab Sample ID: 500-180157-5

Date Collected: 04/02/20 09:30

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		390		mg/Kg		04/03/20 23:49	04/05/20 02:10	200
pH	7.1		0.2		SU			04/03/20 16:08	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-2 10-14

Lab Sample ID: 500-180157-6

Date Collected: 04/02/20 09:30

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	620		19		mg/Kg		04/03/20 23:49	04/05/20 02:22	10
pH	8.0		0.2		SU			04/03/20 16:11	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-3 3-4

Lab Sample ID: 500-180157-7

Date Collected: 04/02/20 09:05

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	37		1.8		mg/Kg		04/03/20 23:49	04/04/20 03:52	1
pH	9.3		0.2		SU			04/03/20 16:13	1

Client Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-3 12-14

Lab Sample ID: 500-180157-8

Date Collected: 04/02/20 09:05

Matrix: Solid

Date Received: 04/02/20 12:55

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	89		2.0		mg/Kg		04/03/20 23:49	04/04/20 04:29	1
pH	9.1		0.2		SU			04/03/20 16:16	1

Definitions/Glossary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Metals

Prep Batch: 536544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-1	East Clarifier	Total/NA	Water	200.7	
500-180157-2	West Clarifier	Total/NA	Water	200.7	
MB 500-536544/1-A	Method Blank	Total/NA	Water	200.7	
LCS 500-536544/2-A	Lab Control Sample	Total/NA	Water	200.7	
500-180157-1 MS	East Clarifier	Total/NA	Water	200.7	
500-180157-1 DU	East Clarifier	Total/NA	Water	200.7	

Analysis Batch: 536716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-1	East Clarifier	Total/NA	Water	200.7 Rev 4.4	536544
500-180157-2	West Clarifier	Total/NA	Water	200.7 Rev 4.4	536544
MB 500-536544/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	536544
LCS 500-536544/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	536544
500-180157-1 MS	East Clarifier	Total/NA	Water	200.7 Rev 4.4	536544
500-180157-1 DU	East Clarifier	Total/NA	Water	200.7 Rev 4.4	536544

General Chemistry

Analysis Batch: 536567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-1	East Clarifier	Total/NA	Water	300.0	
500-180157-2	West Clarifier	Total/NA	Water	300.0	
MB 500-536567/3	Method Blank	Total/NA	Water	300.0	
LCS 500-536567/4	Lab Control Sample	Total/NA	Water	300.0	
500-180157-2 MS	West Clarifier	Total/NA	Water	300.0	
500-180157-2 MSD	West Clarifier	Total/NA	Water	300.0	

Analysis Batch: 536665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-3	TW-1 3-4	Total/NA	Solid	Moisture	
500-180157-4	TW-1 12-14	Total/NA	Solid	Moisture	
500-180157-5	TW-2 3-4	Total/NA	Solid	Moisture	
500-180157-6	TW-2 10-14	Total/NA	Solid	Moisture	
500-180157-7	TW-3 3-4	Total/NA	Solid	Moisture	
500-180157-8	TW-3 12-14	Total/NA	Solid	Moisture	

Analysis Batch: 536714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-1	East Clarifier	Total/NA	Water	SM 4500 H+ B	
500-180157-2	West Clarifier	Total/NA	Water	SM 4500 H+ B	
LCS 500-536714/5	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 500-536714/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
500-180157-1 DU	East Clarifier	Total/NA	Water	SM 4500 H+ B	
500-180157-2 DU	West Clarifier	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 536761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-7	TW-3 3-4	Total/NA	Solid	300.0	536765
500-180157-8	TW-3 12-14	Total/NA	Solid	300.0	536765
MB 500-536765/1-A	Method Blank	Total/NA	Solid	300.0	536765
LCS 500-536765/2-A	Lab Control Sample	Total/NA	Solid	300.0	536765

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QC Association Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

General Chemistry (Continued)

Analysis Batch: 536761 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-8 MS	TW-3 12-14	Total/NA	Solid	300.0	536765
500-180157-8 MSD	TW-3 12-14	Total/NA	Solid	300.0	536765

Prep Batch: 536765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-3	TW-1 3-4	Total/NA	Solid	300_Prep	
500-180157-4	TW-1 12-14	Total/NA	Solid	300_Prep	
500-180157-5	TW-2 3-4	Total/NA	Solid	300_Prep	
500-180157-6	TW-2 10-14	Total/NA	Solid	300_Prep	
500-180157-7	TW-3 3-4	Total/NA	Solid	300_Prep	
500-180157-8	TW-3 12-14	Total/NA	Solid	300_Prep	
MB 500-536765/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 500-536765/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
500-180157-8 MS	TW-3 12-14	Total/NA	Solid	300_Prep	
500-180157-8 MSD	TW-3 12-14	Total/NA	Solid	300_Prep	

Analysis Batch: 536782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-3	TW-1 3-4	Total/NA	Solid	300.0	536765
500-180157-4	TW-1 12-14	Total/NA	Solid	300.0	536765
500-180157-5	TW-2 3-4	Total/NA	Solid	300.0	536765
500-180157-6	TW-2 10-14	Total/NA	Solid	300.0	536765
MB 500-536765/1-A	Method Blank	Total/NA	Solid	300.0	536765
LCS 500-536765/2-A	Lab Control Sample	Total/NA	Solid	300.0	536765

Analysis Batch: 536857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180157-3	TW-1 3-4	Total/NA	Solid	9045C	
500-180157-4	TW-1 12-14	Total/NA	Solid	9045C	
500-180157-5	TW-2 3-4	Total/NA	Solid	9045C	
500-180157-6	TW-2 10-14	Total/NA	Solid	9045C	
500-180157-7	TW-3 3-4	Total/NA	Solid	9045C	
500-180157-8	TW-3 12-14	Total/NA	Solid	9045C	
LCS 500-536857/2	Lab Control Sample	Total/NA	Solid	9045C	
LCSD 500-536857/3	Lab Control Sample Dup	Total/NA	Solid	9045C	
500-180157-4 DU	TW-1 12-14	Total/NA	Solid	9045C	

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 500-536544/1-A
Matrix: Water
Analysis Batch: 536716

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 536544

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	<0.20		0.20		mg/L		04/02/20 17:40	04/03/20 08:41	1
Manganese	<0.010		0.010		mg/L		04/02/20 17:40	04/03/20 08:41	1

Lab Sample ID: LCS 500-536544/2-A
Matrix: Water
Analysis Batch: 536716

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536544

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	1.00	0.971		mg/L		97	85 - 115
Manganese	0.500	0.447		mg/L		89	85 - 115

Lab Sample ID: 500-180157-1 MS
Matrix: Water
Analysis Batch: 536716

Client Sample ID: East Clarifier
Prep Type: Total/NA
Prep Batch: 536544

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	0.68		1.00	1.79		mg/L		111	70 - 130
Manganese	0.10		0.500	0.555		mg/L		90	70 - 130

Lab Sample ID: 500-180157-1 DU
Matrix: Water
Analysis Batch: 536716

Client Sample ID: East Clarifier
Prep Type: Total/NA
Prep Batch: 536544

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	0.68		0.768		mg/L		12	20
Manganese	0.10		0.106		mg/L		3	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 500-536567/3
Matrix: Water
Analysis Batch: 536567

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.20		0.20		mg/L			04/02/20 20:00	1

Lab Sample ID: LCS 500-536567/4
Matrix: Water
Analysis Batch: 536567

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	5.00	5.26		mg/L		105	90 - 110

Lab Sample ID: 500-180157-2 MS
Matrix: Water
Analysis Batch: 536567

Client Sample ID: West Clarifier
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	63		25.0	89.7		mg/L		108	80 - 120

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QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 500-180157-2 MSD

Matrix: Water

Analysis Batch: 536567

Client Sample ID: West Clarifier

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	63		25.0	89.5		mg/L		107	80 - 120	0	20

Lab Sample ID: MB 500-536765/1-A

Matrix: Solid

Analysis Batch: 536761

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 536765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<2.0		2.0		mg/Kg		04/03/20 23:49	04/04/20 02:38	1

Lab Sample ID: MB 500-536765/1-A

Matrix: Solid

Analysis Batch: 536782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 536765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<2.0		2.0		mg/Kg		04/03/20 23:49	04/05/20 00:56	1

Lab Sample ID: LCS 500-536765/2-A

Matrix: Solid

Analysis Batch: 536761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 536765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	52.6		mg/Kg		105	90 - 110

Lab Sample ID: LCS 500-536765/2-A

Matrix: Solid

Analysis Batch: 536782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 536765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	52.7		mg/Kg		105	90 - 110

Lab Sample ID: 500-180157-8 MS

Matrix: Solid

Analysis Batch: 536761

Client Sample ID: TW-3 12-14

Prep Type: Total/NA

Prep Batch: 536765

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	89		24.8	113	E	mg/Kg		96	80 - 120

Lab Sample ID: 500-180157-8 MSD

Matrix: Solid

Analysis Batch: 536761

Client Sample ID: TW-3 12-14

Prep Type: Total/NA

Prep Batch: 536765

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	89		24.8	114	E	mg/Kg		101	80 - 120	1	20

QC Sample Results

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Method: 9045C - pH

Lab Sample ID: 500-180157-4 DU
Matrix: Solid
Analysis Batch: 536857

Client Sample ID: TW-1 12-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.4		8.5		SU	-	1	

Method: SM 4500 H+ B - pH

Lab Sample ID: 500-180157-1 DU
Matrix: Water
Analysis Batch: 536714

Client Sample ID: East Clarifier
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.6	HF	7.6		SU	-	0.1	

Lab Sample ID: 500-180157-2 DU
Matrix: Water
Analysis Batch: 536714

Client Sample ID: West Clarifier
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.6	HF	7.6		SU	-	0.1	

Environment Testing
TestAmerica

Ver: 01/16/2014/8/2020

Client: Midwest Generation EME LLC

Job Number: 500-180157-1

Login Number: 180157

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	6.8
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: East Clarifier

Date Collected: 04/02/20 10:20

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.7			536544	04/02/20 17:40	BDE	TAL CHI
Total/NA	Analysis	200.7 Rev 4.4		1	536716	04/03/20 08:49	JEF	TAL CHI
Total/NA	Analysis	300.0		25	536567	04/02/20 23:04	EAT	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	536714		SMO	TAL CHI
					(Start)	04/03/20 13:17		
					(End)	04/03/20 13:19		

Client Sample ID: West Clarifier

Date Collected: 04/02/20 10:50

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.7			536544	04/02/20 17:40	BDE	TAL CHI
Total/NA	Analysis	200.7 Rev 4.4		1	536716	04/03/20 09:06	JEF	TAL CHI
Total/NA	Analysis	300.0		10	536567	04/02/20 23:17	EAT	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	536714		SMO	TAL CHI
					(Start)	04/03/20 13:21		
					(End)	04/03/20 13:23		

Client Sample ID: TW-1 3-4

Date Collected: 04/02/20 08:40

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		10	536782	04/05/20 01:21	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:01	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Client Sample ID: TW-1 12-14

Date Collected: 04/02/20 08:40

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		5	536782	04/05/20 01:58	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:03	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Lab Chronicle

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Client Sample ID: TW-2 3-4

Date Collected: 04/02/20 09:30

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		200	536782	04/05/20 02:10	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:08	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Client Sample ID: TW-2 10-14

Date Collected: 04/02/20 09:30

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		10	536782	04/05/20 02:22	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:11	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Client Sample ID: TW-3 3-4

Date Collected: 04/02/20 09:05

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		1	536761	04/04/20 03:52	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:13	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Client Sample ID: TW-3 12-14

Date Collected: 04/02/20 09:05

Date Received: 04/02/20 12:55

Lab Sample ID: 500-180157-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			536765	04/03/20 23:49	EAT	TAL CHI
Total/NA	Analysis	300.0		1	536761	04/04/20 04:29	EAT	TAL CHI
Total/NA	Analysis	9045C		1	536857	04/03/20 16:16	SMO	TAL CHI
Total/NA	Analysis	Moisture		1	536665	04/03/20 09:12	LWN	TAL CHI

Laboratory References:

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

Eurofins TestAmerica, Chicago

Accreditation/Certification Summary

Client: Midwest Generation EME LLC
Project/Site: Joliet Station 29 - NPDES

Job ID: 500-180157-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Illinois	NELAP	IL00035	04-30-20

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