

# 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: 500-98713-1  
Client Project/Site: Joliet Station 29 - NPDES

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

Attn: Harrison Estepp

*Bonnie Stadelmann*

Authorized for release by:  
7/20/2015 12:52:49 PM

Bonnie Stadelmann, Senior Project Manager  
(708)534-5200  
[bonnie.stadelmann@testamericainc.com](mailto:bonnie.stadelmann@testamericainc.com)

### LINKS

Review your project results through

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**Ask The Expert**

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*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.*

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

EXHIBIT  
602





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# Case Narrative

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

**Job ID: 500-98713-1**

**Laboratory: TestAmerica Chicago**

Narrative

Job Narrative  
500-98713-1

### Comments

No additional comments.

### Receipt

The sample was received on 7/17/2015 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

### General Chemistry

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

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# Method Summary

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL CHI

**Protocol References:**

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

**Laboratory References:**

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

# Sample Summary

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-98713-1	P2 Effluent	Water	07/16/15 08:00	07/17/15 10:00



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# Client Sample Results

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

**Client Sample ID: P2 Effluent**

**Lab Sample ID: 500-98713-1**

**Date Collected: 07/16/15 08:00**

**Matrix: Water**

**Date Received: 07/17/15 10:00**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Total Suspended Solids	20		5.0		mg/L			07/20/15 06:41	1

1

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## Definitions/Glossary

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

### 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)



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7/20/2015

# QC Association Summary

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

## General Chemistry

### Analysis Batch: 296223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-98713-1	P2 Effluent	Total/NA	Water	SM 2540D	
LCS 500-296223/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 500-296223/1	Method Blank	Total/NA	Water	SM 2540D	

1

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# QC Sample Results

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 500-296223/1  
 Matrix: Water  
 Analysis Batch: 296223

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<5.0		5.0		mg/L			07/20/15 06:10	1

Lab Sample ID: LCS 500-296223/2  
 Matrix: Water  
 Analysis Batch: 296223

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	200	240		mg/L		120	80 - 120



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THE LEADER IN ENVIRONMENTAL TESTING  
 TestAmerica Chicago  
 2417 Bond St.  
 University Park, IL 60484  
 708-534-5200  
 Fax: 708-534-5211

Report To:	Contact: Harrison Estep	Company: NRG Joliet	Address: 1800 Channahon Rd. Joliet, IL	Phone: 815-207-5416	Email: harrison.estep@nrg.com	PO #:
Bill To:	Contact:	Company:	Address:	Phone:	Email:	PO #:
Lab Lot #	500-98713					
Package Sealed	Yes	No	Samples Sealed			
Received on Ice	Yes	No	Samples Intact			
Temperature °C of Cooler			4.0			

Sampler Name:	H. Estep	Signature:	<i>TAT</i>				
Project Name:	JL Air Heater	TostAmerica Project Number:					
Project Location:	JL29	Client Sample ID	Bonnie Stadelmann				
Lab PM:	Bonnie Stadelmann	Sampling Date Time	7/16/15 2800				
Laboratory ID	MS-MSD	Client Sample ID	P2 Effluent	Matrix	WW/G	Comp/Grab	X
Ref #	1	# / Cont.	1	TSS	1	BOD <sub>5</sub>	O&G
Volume	7	Preserv.	7	Ph Check OK	Yes	Within-Hold Time	Yes No
Ph Check OK	Yes	Preserv. Indicated	Yes No	Re-CL <sub>2</sub> Check OK	Yes No	N/A	
Sample Labels and COC Agree	Yes No	COC not present	Yes No	Additional Analyses / Remarks			

RELINQUISHED BY: *[Signature]* COMPANY: *TA* DATE: *7/17/15* TIME: *0924*

RECEIVED BY: *[Signature]* COMPANY: *TA* DATE: *07/17/15* TIME: *1000*

DATE RECEIVED:	07/17/15
COURIER:	DG
HAND DELIVERED:	<input type="checkbox"/>
BILL OF LADING:	

COMMENTS: 500-98713 COC

## Login Sample Receipt Checklist

Client: Midwest Generation EME LLC

Job Number: 500-98713-1

Login Number: 98713

List Number: 1

Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

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	4.0c
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.	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.	True	



# Certification Summary

NON-DISCLOSABLE INFORMATION

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

TestAmerica Job ID: 500-98713-1

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## Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-16

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