July 26, 2012

Duke Energy
Miami Fort Generating Station
11021 Brower Road
North Bend, OH 45052

Attention: Ms. Tara Thomas
Environmental Coordinator

Re: Results – **July 2012**
Low-Level Mercury Sampling
Miami Fort Generating Station
North Bend, Ohio

In accordance with your request, URS prepared the following letter report transmitting low-level mercury test results for samples collected at the Miami Fort Generating Station located in North Bend, Ohio.

The scope of work involved the sampling of intake and discharge waters from the following sources and analysis of those samples for low-level mercury.

1. River Intake
2. Station 601 (WWT Influent)
   [Samples were collected at this station one detention time (approximately 14 hours as specified by Duke Energy) before samples collected at Outfall 608]
3. Outfall 608 (WWT Effluent)
   [Samples were collected at this outfall one detention time (approximately 14 hours as specified by Duke Energy) after samples collected at station 601]
4. Outfall 002 (Pond B Discharge)

Each sample was collected following the required Method 1669: *Sampling Ambient Water for Determination of Trace Metals at EPA Water Quality Criteria Levels* (Sampling Method) and analyzed by Method 1631. At the request of Duke Energy, a dissolved low-level mercury sample was collected by Method 1669 from Outfall 608 and analyzed by Method 1631. The collected dissolved sample was filtered at the laboratory utilizing 0.45 micron filtration. Also at the request of Duke Energy, total metal mercury sample aliquots (preserved) from Station 601 (Unit 7 and 8) were used to have the laboratory pipet off and prepare the supernatant layer of the samples (leaving behind as much of the settled solids as possible) for analysis by Method 7470A.

Field staff from URS' Cincinnati office conducted the sampling and TestAmerica Laboratories Inc. located in North Canton, Ohio performed the analytical procedures. The analytical procedures included the analyses of a collected sample and duplicate sample

URS Corporation
525 Vine Street, Suite 1800
Cincinnati, Ohio 45202
Tel: 513.651.3440
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URS

(duplicates collected at Outfall 608 and Outfall 002), field blank (field blanks collected at the River Intake, Outfall 608, and Outfall 002), and trip blank.

The results from the **July 5 and 6, 2012** sampling event are presented in the attached Table 1. A copy of the laboratory report is enclosed with this letter.

--ooOoo--

URS is pleased to provide continued assistance to Duke Energy in the execution of their environmental monitoring requirements. If there are any questions regarding the content of this report, please do not hesitate to contact the undersigned.

Sincerely,

URS Corporation

Michael A. Wagner
Project Manager

Dennis P. Connair, C.P.G.
Principal

MAW/DPC/Duke Energy-MFS LL Hg 2012
Job No. 14950516

TABLE 1

ANALYTICAL RESULTS
LOW-LEVEL MERCURY
RIVER INTAKE, STATION 601, OUTFALL 608, AND OUTFALL 002 (POND B)

DUKE ENERGY - MIAMI FORT STATION
NORTH BEND, OHIO

	Date Sampled / Results (ng/L, parts per trillion)					
Sample ID	**1/3-4/2012**	**2/2-3/2012**	**3/1-2/2012**	**4/2-3/2012**	**5/1-2/2012**	**6/5-6/2012**
River Intake	7.9	6.1	3.9	4.0	3.9	2.2
Station 601 (7)	360,000	100,000	1,300,000	85,000	590,000	180,000
Station 601 (7)*	570	6,000	54,000	68,000	110,000	670
Station 601 (7)* [duplicate]	200	Not Collected	55,000	66,000	110,000	Not Collected
Station 601 (8)	210,000	68,000	830,000	310,000	Off Line	140,000
Station 601 (8)*	420	5,300	110,000	75,000	Off Line	1,000
Station 601 (8)*[duplicate]	Not Collected	3,500	Not Collected	Not Collected	Off Line	880
Outfall 608	60	89	48	120	170	210
Outfall 608 [duplicate]	65	85	49	120	200	200
Outfall 608 [dissolved, 0.45 micron]	2.9	26	1.6 H	0.53 B	61	64
APB-002	3.2	3.7	2.9	4.8	4.2	2.7
APB-002 [duplicate]	3.3	3.5	3.6	4.6	4.0	2.5
Field Blank (RI-FB)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Field Blank (WWT-FB)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Field Blank (AP-FB)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Samples collected by URS. Samples analyzed by TestAmerica of North Canton, Ohio.
Sampling times are noted within the associated laboratory report for each collected sample
* = Total mercury analysis utilizing Method 7470A [results converted from ug/L (parts per billion) to ng/L]. The aqueous layer of the sample was pipetted off and prepared, with care to leave behind as much of the settled solids as possible.
H = Sample was prepped or analyzed beyond the specified holding time B = Compound was found in blank and sample

TABLE 1 (continued)

Sample ID	Date Sampled / Results (ng/L, parts per trillion)					
	7/5-6/2012	8/x/2012	9/x/2012	10/x/2012	11/x/2012	12/x/2012
River Intake	1.6					
Station 601 (7)	240,000					
Station 601 (7)*	8,100 B					
Station 601 (7)* [duplicate]	6,400 B					
Station 601 (8)	460,000					
Station 601 (8)*	10,000 B					
Station 601 (8)*[duplicate]	Not Collected					
Outfall 608	240					
Outfall 608 [duplicate]	220					
Outfall 608 [dissolved, 0.45 micron]	29 H					
APB-002	2.5					
APB-002 [duplicate]	2.5					
Field Blank (RI-FB)	<0.50					
Field Blank (WWT-FB)	<0.50					
Field Blank (AP-FB)	<0.50					
Trip Blank	<0.50					

Samples collected by URS
Sampling times are noted within the associated laboratory report for each collected sample.
Samples analyzed by TestAmerica of North Canton, Ohio
* = Total mercury analysis utilizing Method 7470A [results converted from ug/L (parts per billion) to ng/L]. The aqueous layer of the sample was pipetted off and prepared, with care to leave behind as much of the settled solids as possible.
H = Sample was prepped or analyzed beyond the specified holding time B = Compound was found in blank and sample

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-13021-1
Client Project/Site: Duke MF 2012 LLHg - J12070145

For:
Duke Energy Corporation
139 East Fourth Street
Cincinnati, Ohio 45202

Attn: Ms. Sue Wallace

Denise Pohl

Authorized for release by:
7/19/2012 9:53:48 AM

Denise Pohl
Project Manager II
denise.pohl@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: 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.

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Qualifiers

Metals

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-13021-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Duke Energy Corporation

Project: Duke MF 2012 LLHg - J12070145

Report Number: 240-13021-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 07/07/2012; the samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was 22.3 C.

Method(s) 1631E, Filtration: Recieved dissolved LLHG on Saturday that did not get unpacked or logged until Monday. No indication was noted on chain of custody indicating sample required lab filteration.

DISSOLVED LOW LEVEL MERCURY

Sample 608 WWT DISS (240-13021-11) was analyzed for dissolved low level mercury in accordance with EPA Method 1631E. The samples were prepared on 07/09/2012 and analyzed on 07/11/2012.

Sample 608 WWT DISS (240-13021-11)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Low Level Mercury analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples 601(7)WWT TOT (240-13021-2), 601(7)WWT TOT DUP (240-13021-3) and 601(8)WWT TOT (240-13021-5) were analyzed for

Job ID: 240-13021-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 07/18/2012.

Mercury was detected in method blank MB 240-51162/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Per client instructions, the aqueous layer of sample was pipetted off and prepared for samples 601(7)WWT TOT (240-13021-2), 601(7)WWT TOT DUP (240-13021-3) and 601(8)WWT TOT (240-13021-5) with care to leave behind as much of the settled solids as possible.

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

LOW LEVEL MERCURY

Samples 601(7)WWT (240-13021-1), 601(8)WWT (240-13021-4), RI FB (240-13021-6), RI (240-13021-7), 608 WWT FB (240-13021-8), 608 WWT (240-13021-9), 608 WWT DUP (240-13021-10), OUTFALL 002 FB (240-13021-12), OUTFALL 002 (240-13021-13), OUTFALL 002 DUP (240-13021-14) and TRIP BLANK (240-13021-15) were analyzed for Low Level Mercury in accordance with EPA Method 1631E. The samples were prepared on 07/09/2012 and analyzed on 07/11/2012.

Samples 601(7)WWT (240-13021-1)[100000X], 601(8)WWT (240-13021-4)[100000X], 608 WWT (240-13021-9)[40X] and 608 WWT DUP (240-13021-10)[40X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Low Level Mercury analyses.

All quality control parameters were within the acceptance limits.

Method Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Method	Method Description	Protocol	Laboratory
1631E	Mercury, Low Level (CVAFS)	EPA	TAL NC
7470A	Mercury (CVAA)	SW846	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-13021-1	601(7)WWT	Water	07/05/12 17:40	07/07/12 09:30
240-13021-2	601(7)WWT TOT	Water	07/05/12 17:45	07/07/12 09:30
240-13021-3	601(7)WWT TOT DUP	Water	07/05/12 17:50	07/07/12 09:30
240-13021-4	601(8)WWT	Water	07/05/12 17:55	07/07/12 09:30
240-13021-5	601(8)WWT TOT	Water	07/05/12 18:00	07/07/12 09:30
240-13021-6	RI FB	Water	07/05/12 18:10	07/07/12 09:30
240-13021-7	RI	Water	07/05/12 18:15	07/07/12 09:30
240-13021-8	608 WWT FB	Water	07/06/12 08:05	07/07/12 09:30
240-13021-9	608 WWT	Water	07/06/12 08:10	07/07/12 09:30
240-13021-10	608 WWT DUP	Water	07/06/12 08:15	07/07/12 09:30
240-13021-11	608 WWT DISS	Water	07/06/12 08:20	07/07/12 09:30
240-13021-12	OUTFALL 002 FB	Water	07/06/12 08:50	07/07/12 09:30
240-13021-13	OUTFALL 002	Water	07/06/12 08:55	07/07/12 09:30
240-13021-14	OUTFALL 002 DUP	Water	07/06/12 09:00	07/07/12 09:30
240-13021-15	TRIP BLANK	Water	07/06/12 00:00	07/07/12 09:30

Detection Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(7)WWT — Lab Sample ID: 240-13021-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	240000		50000		ng/L	100000		1631E	Total/NA

Client Sample ID: 601(7)WWT TOT — Lab Sample ID: 240-13021-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	8.1	B	0.80		ug/L	1		7470A	Total/NA

Client Sample ID: 601(7)WWT TOT DUP — Lab Sample ID: 240-13021-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	6.4	B	0.80		ug/L	1		7470A	Total/NA

Client Sample ID: 601(8)WWT — Lab Sample ID: 240-13021-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	460000		50000		ng/L	100000		1631E	Total/NA

Client Sample ID: 601(8)WWT TOT — Lab Sample ID: 240-13021-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	10	B	0.80		ug/L	1		7470A	Total/NA

Client Sample ID: RI FB — Lab Sample ID: 240-13021-6

No Detections

Client Sample ID: RI — Lab Sample ID: 240-13021-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	1.6		0.50		ng/L	1		1631E	Total/NA

Client Sample ID: 608 WWT FB — Lab Sample ID: 240-13021-8

No Detections

Client Sample ID: 608 WWT — Lab Sample ID: 240-13021-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	240		20		ng/L	40		1631E	Total/NA

Client Sample ID: 608 WWT DUP — Lab Sample ID: 240-13021-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	220		20		ng/L	40		1631E	Total/NA

Client Sample ID: 608 WWT DISS — Lab Sample ID: 240-13021-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	29	H	5.0		ng/L	10		1631E	Dissolved

Client Sample ID: OUTFALL 002 FB — Lab Sample ID: 240-13021-12

No Detections

Detection Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: OUTFALL 002 — Lab Sample ID: 240-13021-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	2.5		0.50		ng/L	1		1631E	Total/NA

Client Sample ID: OUTFALL 002 DUP — Lab Sample ID: 240-13021-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Mercury	2.5		0.50		ng/L	1		1631E	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-13021-15

No Detections

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(7)WWT

Lab Sample ID: 240-13021-1

Date Collected: 07/05/12 17:40

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	240000		50000		ng/L		07/09/12 10:51	07/11/12 17:44	100000

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(7)WWT TOT

Lab Sample ID: 240-13021-2

Date Collected: 07/05/12 17:45

Matrix: Water

Date Received: 07/07/12 09:30

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.1	B	0.80		ug/L		07/18/12 13:15	07/18/12 16:08	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(7)WWT TOT DUP

Lab Sample ID: 240-13021-3

Date Collected: 07/05/12 17:50

Matrix: Water

Date Received: 07/07/12 09:30

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.4	B	0.80		ug/L		07/18/12 13:15	07/18/12 16:09	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(8)WWT

Lab Sample ID: 240-13021-4

Date Collected: 07/05/12 17:55

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	460000		50000		ng/L		07/09/12 10:51	07/11/12 17:47	100000

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(8)WWT TOT

Lab Sample ID: 240-13021-5

Date Collected: 07/05/12 18:00

Matrix: Water

Date Received: 07/07/12 09:30

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10	B	0.80		ug/L		07/18/12 13:15	07/18/12 16:11	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: RI FB

Lab Sample ID: 240-13021-6

Date Collected: 07/05/12 18:10

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 10:51	07/11/12 17:50	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: RI

Lab Sample ID: 240-13021-7

Date Collected: 07/05/12 18:15

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.6		0.50		ng/L		07/09/12 10:51	07/11/12 17:28	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 608 WWT FB

Lab Sample ID: 240-13021-8

Date Collected: 07/06/12 08:05

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 10:51	07/11/12 17:53	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 608 WWT

Lab Sample ID: 240-13021-9

Date Collected: 07/06/12 08:10

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	240		20		ng/L		07/09/12 15:27	07/11/12 18:03	40

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 608 WWT DUP

Lab Sample ID: 240-13021-10

Date Collected: 07/06/12 08:15

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	220		20		ng/L		07/09/12 15:39	07/11/12 18:06	40

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 608 WWT DISS

Lab Sample ID: 240-13021-11

Date Collected: 07/06/12 08:20

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS) - Dissolved

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	29	H	5.0		ng/L		07/09/12 15:40	07/11/12 18:44	10

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: OUTFALL 002 FB

Lab Sample ID: 240-13021-12

Date Collected: 07/06/12 08:50

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 15:39	07/11/12 18:09	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: OUTFALL 002

Lab Sample ID: 240-13021-13

Date Collected: 07/06/12 08:55

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.5		0.50		ng/L		07/09/12 15:39	07/11/12 18:13	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: OUTFALL 002 DUP

Lab Sample ID: 240-13021-14

Date Collected: 07/06/12 09:00

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.5		0.50		ng/L		07/09/12 15:39	07/11/12 18:22	1

Client Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-13021-15

Date Collected: 07/06/12 00:00

Matrix: Water

Date Received: 07/07/12 09:30

Method: 1631E - Mercury, Low Level (CVAFS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 15:40	07/11/12 18:31	1

Method: 1631E - Mercury, Low Level (CVAFS)

Lab Sample ID: MB 240-50231/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 10:51	07/11/12 17:12	1

Lab Sample ID: LCS 240-50231/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			5.00	5.03		ng/L		101	77 - 123		

Lab Sample ID: 240-13021-7 MS — **Client Sample ID: RI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	1.6		5.00	6.51		ng/L		98	71 - 125		

Lab Sample ID: 240-13021-7 MSD — **Client Sample ID: RI**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	1.6		5.00	5.84		ng/L		85	71 - 125	11	24

Lab Sample ID: 240-13021-14 MS — **Client Sample ID: OUTFALL 002 DUP**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	2.5		5.00	6.83		ng/L		87	71 - 125		

Lab Sample ID: 240-13021-14 MSD — **Client Sample ID: OUTFALL 002 DUP**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	2.5		5.00	7.05		ng/L		91	71 - 125	3	24

Lab Sample ID: PB 240-50268/1-B PB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 50580 — **Prep Batch: 50231**

Analyte	PB Result	PB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50	U	0.50		ng/L		07/09/12 15:40	07/11/12 18:41	1

QC Sample Results

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-51162/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 51255 — **Prep Batch: 51162**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.211		0.20		ug/L		07/18/12 13:15	07/18/12 16:00	1

Lab Sample ID: LCS 240-51162/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 51255 — **Prep Batch: 51162**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			5.00	4.95		ug/L		99	81 - 123		

QC Association Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Metals

Prep Batch: 50231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13021-1	601(7)WWT	Total/NA	Water	1631E	
240-13021-4	601(8)WWT	Total/NA	Water	1631E	
240-13021-6	RI FB	Total/NA	Water	1631E	
240-13021-7	RI	Total/NA	Water	1631E	
240-13021-7 MS	RI	Total/NA	Water	1631E	
240-13021-7 MSD	RI	Total/NA	Water	1631E	
240-13021-8	608 WWT FB	Total/NA	Water	1631E	
240-13021-9	608 WWT	Total/NA	Water	1631E	
240-13021-10	608 WWT DUP	Total/NA	Water	1631E	
240-13021-11	608 WWT DISS	Dissolved	Water	1631E	
240-13021-12	OUTFALL 002 FB	Total/NA	Water	1631E	
240-13021-13	OUTFALL 002	Total/NA	Water	1631E	
240-13021-14	OUTFALL 002 DUP	Total/NA	Water	1631E	
240-13021-14 MS	OUTFALL 002 DUP	Total/NA	Water	1631E	
240-13021-14 MSD	OUTFALL 002 DUP	Total/NA	Water	1631E	
240-13021-15	TRIP BLANK	Total/NA	Water	1631E	
LCS 240-50231/2-A	Lab Control Sample	Total/NA	Water	1631E	
MB 240-50231/1-A	Method Blank	Total/NA	Water	1631E	
PB 240-50268/1-B PB	Method Blank	Dissolved	Water	1631E	

Analysis Batch: 50580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13021-1	601(7)WWT	Total/NA	Water	1631E	50231
240-13021-4	601(8)WWT	Total/NA	Water	1631E	50231
240-13021-6	RI FB	Total/NA	Water	1631E	50231
240-13021-7	RI	Total/NA	Water	1631E	50231
240-13021-7 MS	RI	Total/NA	Water	1631E	50231
240-13021-7 MSD	RI	Total/NA	Water	1631E	50231
240-13021-8	608 WWT FB	Total/NA	Water	1631E	50231
240-13021-9	608 WWT	Total/NA	Water	1631E	50231
240-13021-10	608 WWT DUP	Total/NA	Water	1631E	50231
240-13021-11	608 WWT DISS	Dissolved	Water	1631E	50231
240-13021-12	OUTFALL 002 FB	Total/NA	Water	1631E	50231
240-13021-13	OUTFALL 002	Total/NA	Water	1631E	50231
240-13021-14	OUTFALL 002 DUP	Total/NA	Water	1631E	50231
240-13021-14 MS	OUTFALL 002 DUP	Total/NA	Water	1631E	50231
240-13021-14 MSD	OUTFALL 002 DUP	Total/NA	Water	1631E	50231
240-13021-15	TRIP BLANK	Total/NA	Water	1631E	50231
LCS 240-50231/2-A	Lab Control Sample	Total/NA	Water	1631E	50231
MB 240-50231/1-A	Method Blank	Total/NA	Water	1631E	50231
PB 240-50268/1-B PB	Method Blank	Dissolved	Water	1631E	50231

Prep Batch: 51162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13021-2	601(7)WWT TOT	Total/NA	Water	7470A	
240-13021-3	601(7)WWT TOT DUP	Total/NA	Water	7470A	
240-13021-5	601(8)WWT TOT	Total/NA	Water	7470A	
LCS 240-51162/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 240-51162/1-A	Method Blank	Total/NA	Water	7470A	

Metals (Continued)

Analysis Batch: 51255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-13021-2	601(7)WWT TOT	Total/NA	Water	7470A	51162
240-13021-3	601(7)WWT TOT DUP	Total/NA	Water	7470A	51162
240-13021-5	601(8)WWT TOT	Total/NA	Water	7470A	51162
LCS 240-51162/2-A	Lab Control Sample	Total/NA	Water	7470A	51162
MB 240-51162/1-A	Method Blank	Total/NA	Water	7470A	51162

Lab Chronicle

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: 601(7)WWT — Lab Sample ID: 240-13021-1

Date Collected: 07/05/12 17:40 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 10:51	AS	TAL NC
Total/NA	Analysis	1631E		100000	50580	07/11/12 17:44	LM	TAL NC

Client Sample ID: 601(7)WWT TOT — Lab Sample ID: 240-13021-2

Date Collected: 07/05/12 17:45 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			51162	07/18/12 13:15	LM	TAL NC
Total/NA	Analysis	7470A		1	51255	07/18/12 16:08	DH	TAL NC

Client Sample ID: 601(7)WWT TOT DUP — Lab Sample ID: 240-13021-3

Date Collected: 07/05/12 17:50 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			51162	07/18/12 13:15	LM	TAL NC
Total/NA	Analysis	7470A		1	51255	07/18/12 16:09	DH	TAL NC

Client Sample ID: 601(8)WWT — Lab Sample ID: 240-13021-4

Date Collected: 07/05/12 17:55 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 10:51	AS	TAL NC
Total/NA	Analysis	1631E		100000	50580	07/11/12 17:47	LM	TAL NC

Client Sample ID: 601(8)WWT TOT — Lab Sample ID: 240-13021-5

Date Collected: 07/05/12 18:00 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			51162	07/18/12 13:15	LM	TAL NC
Total/NA	Analysis	7470A		1	51255	07/18/12 16:11	DH	TAL NC

Client Sample ID: RI FB — Lab Sample ID: 240-13021-6

Date Collected: 07/05/12 18:10 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 10:51	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 17:50	LM	TAL NC

Lab Chronicle

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: RI — Lab Sample ID: 240-13021-7

Date Collected: 07/05/12 18:15 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 10:51	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 17:28	LM	TAL NC

Client Sample ID: 608 WWT FB — Lab Sample ID: 240-13021-8

Date Collected: 07/06/12 08:05 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 10:51	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 17:53	LM	TAL NC

Client Sample ID: 608 WWT — Lab Sample ID: 240-13021-9

Date Collected: 07/06/12 08:10 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:27	AS	TAL NC
Total/NA	Analysis	1631E		40	50580	07/11/12 18:03	LM	TAL NC

Client Sample ID: 608 WWT DUP — Lab Sample ID: 240-13021-10

Date Collected: 07/06/12 08:15 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:39	AS	TAL NC
Total/NA	Analysis	1631E		40	50580	07/11/12 18:06	LM	TAL NC

Client Sample ID: 608 WWT DISS — Lab Sample ID: 240-13021-11

Date Collected: 07/06/12 08:20 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	1631E			50231	07/09/12 15:40	AS	TAL NC
Dissolved	Analysis	1631E		10	50580	07/11/12 18:44	LM	TAL NC

Client Sample ID: OUTFALL 002 FB — Lab Sample ID: 240-13021-12

Date Collected: 07/06/12 08:50 — **Matrix: Water**
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:39	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 18:09	LM	TAL NC

Lab Chronicle

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Client Sample ID: OUTFALL 002

Lab Sample ID: 240-13021-13

Date Collected: 07/06/12 08:55
Matrix: Water
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:39	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 18:13	LM	TAL NC

Client Sample ID: OUTFALL 002 DUP

Lab Sample ID: 240-13021-14

Date Collected: 07/06/12 09:00
Matrix: Water
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:39	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 18:22	LM	TAL NC

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-13021-15

Date Collected: 07/06/12 00:00
Matrix: Water
Date Received: 07/07/12 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1631E			50231	07/09/12 15:40	AS	TAL NC
Total/NA	Analysis	1631E		1	50580	07/11/12 18:31	LM	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Duke Energy Corporation
Project/Site: Duke MF 2012 LLHg - J12070145

TestAmerica Job ID: 240-13021-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Canton	California	NELAC	9	01144CA
TestAmerica Canton	Connecticut	State Program	1	PH-0590
TestAmerica Canton	Florida	NELAC	4	E87225
TestAmerica Canton	Georgia	State Program	4	N/A
TestAmerica Canton	Illinois	NELAC	5	200004
TestAmerica Canton	Kansas	NELAC	7	E-10336
TestAmerica Canton	Kentucky	State Program	4	58
TestAmerica Canton	L-A-B	DoD ELAP		L2315
TestAmerica Canton	Minnesota	NELAC	5	039-999-348
TestAmerica Canton	Nevada	State Program	9	OH-000482008A
TestAmerica Canton	New Jersey	NELAC	2	OH001
TestAmerica Canton	New York	NELAC	2	10975
TestAmerica Canton	Ohio VAP	State Program	5	CL0024
TestAmerica Canton	Pennsylvania	NELAC	3	68-00340
TestAmerica Canton	USDA	Federal		P330-11-00328
TestAmerica Canton	Virginia	NELAC	3	460175
TestAmerica Canton	Washington	State Program	10	C971
TestAmerica Canton	West Virginia DEP	State Program	3	210
TestAmerica Canton	Wisconsin	State Program	5	999518190

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.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: DUKE ENERGY	Client Project Manager: M. WAGNER	Site Contact: T. THOMAS	Lab Contact:
Address: MIAMI FORT STATION	Telephone: (513) 651.3440	Telephone: (513) 314-8055	Telephone:
City/State/Zip: N. BEND, OH.	Email: mike.wagner@cvs.com		
Phone:			
Project Name: DUKE MF 2012 LLHg	Method of Shipment/Carrier:		
Project Number: 14950 516.00100	Shipping/Tracking No:		
PO#			

COC No: 046431
1 of 2 COCs

Analysis Turnaround Time (In BUS days)
TAT if different from Below: STANDARD
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No.:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C / Grab G	Analyses: LLHg 1631	Total Hg	Sample Specific Notes / Special Instructions:
601 (7) WWT	7-5-12	1740		X									X		N	G	4		
601(7) WWT TOT		1745		X					X									1	
601 (7) WWT TOT Dup		1750		X					X									1	
601 (8) WWT		1755		X									X				4		
601 (8) WWT TOT		1800		X					X									1	
RI FB		1810		X									X				2		
RI		1815		X									X				4		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	CVS	7/6/12 1115	[signature]	TestAmerica	7/6/12 / 11:15
[signature]	TestAmerica	7/6/12 / 11:20			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]	TA	7/7/12-0930

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TAL 0018- 1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact			
Company Name: Duke Energy	Client Project Manager: Mike Wagner	Site Contact:	Lab Contact:
Address: Miami Fl Station	Telephone: 513-451-3440	Telephone:	Telephone:
City/State/Zip: North Bend OH	Email: Del Page		
Phone:			
Project Name: Duke Energy - MF LLW 2012	Method of Shipment/Carrier:		
Project Number: 14950516.00100	Shipping/Tracking No:		
PO #			

COC No: 046430
_____ of _____ COCs

Analysis Turnaround Time (in BUS days)
TAT if different from below _____
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client ☐
Lab pickup ☐
Lab sampling ☐
Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite (C)/Grab (G)	Analyses: LLW									Sample Specific Notes / Special Instructions:
608 WWT FB	07-06-12	0805		X									2		N	G	X									
608 WWT		0810		X									4				X									
608 WWT Dup		0815		X									4				X									
608 WWT DISS		0820		X									4				X									
OUTFALL 002 FB		0850		X									2				X									
OUTFALL 002		0855		X									4				X									
OUTFALL 002 Dup		0900		X									4				X									
TRIP BLANK	—	—		X									2			–	X									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	WRS	7/6/12 @ 1115	[signature]	Test America	7/6/12 / 11:15
[signature]	Test America	7/6/12 / 11:20			
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]	TA	7/7/12 0930

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TAL 0018- 1 (04/10)

TestAmerica North Canton Sample Receipt Form/Narrative Login # : 13021

Client Duke Energy Site Name MF LLHg 2012 By: _____

Cooler Received on 7/9/12 Opened on 7-9-12 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # 241-937 Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF 0°C)	Observed Sample Temp. 22.3 °C	Corrected Sample Temp. 22.3 °C	
IR GUN# 4G	(CF –1°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	☐ Multiple on Back
IR GUN# 5G	(CF –1°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	
IR GUN# 8	(CF 0°C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   - Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

high temp-OK-LLHg

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 110410-HNO3; Sulfuric Acid Lot# 041911-H2SO4; Sodium Hydroxide Lot# 121809 - NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
1745	<2	7-9-12	TLS
1750	<2	7-9-12	TLS
1800	<2	7-9-12	TLS

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant