# Section Three

***Quarterly testing of National Emissions Standards for Hazardous Air Pollutants (NESHAP) Report***
***Mercury and Beryllium***
***April 1, 2012 to June 30, 2012***
***40 CFR Part 61, Subpart C & E***

***Data Submitted:***

- ***NESHAP's analytical results for Mercury and Beryllium.***

**EASI, LLC**
**Analytical Testing and Field Services**

## EASI Job Number: 39278

Laboratory Report prepared for:

**VEOLIA WATER NORTH AMERICA**
6501 Florida Avenue
New Orleans, LA 70117

*Attention: Mr. Kevin Servat*
*RE: N. O. East Bank WWTP - NESHAPS Hg & Be*

### Report Narrative

On June 20, 2012 one (1) sample was received for analytical characterization. Sample results are shown on the following pages. The chain of custodies and quality assurance / quality control data are attached to the report. If you have any questions regarding this report, please Mr. Mike Antoine at your convenience.

APPROVED BY: _____ DATE: 7/2/2012
Brigid M. Guerra
Project Manager

**Total Number of Report Pages: 6**

The results contained within this report relate only to the analyses conducted and to the samples received by the laboratory. The results also conform to current requirements of LAC 33:1, AIHA and NELAC unless noted. This report shall not be reproduced, except in full, without written approval of EASI, LLC. EASI, LLC is accredited by the American Industrial Hygiene Association, **AIHA Lab number 102300**, and the Louisiana Department of Environmental Quality, **LELAP Certificate number 02036.**

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# Laboratory Report

**Sample Identification:** N. O. EB WWTP - Sludge Cake
**Sample Date:** June 19-20, 2012
**Sample Time:** 0700-0700
**Laboratory Number:** 3927801
**Matrix:** Sludge

| NESHAPS Pollutant | Analysis Result* | Analysis Units | PQL | MDL | Analysis Date/Time/By |
|---|---|---|---|---|---|
| Total Beryllium | 0.513 J | mg/kg | 0.909 | 0.0818 | 062912/1441/KR |
| **Beryllium Emission Rate** | **9.28** | **grams/day** | -- | -- | -- |

| NESHAPS Pollutant | Analysis Result* | Analysis Units | PQL | MDL | Analysis Date/Time/By |
|---|---|---|---|---|---|
| Total Mercury | 2.38 | mg/kg | 0.0200 | 0.00200 | 062712/1122/TB |
| **Mercury Emission Rate** | **43.0** | **grams/day** | -- | -- | -- |

* Dry weight corrected, based on percent solids of 23.0%

J = the indicated value was determined at a 10x dilution due to the presence of matrix interferences and is reported below the adjusted PQL but above the adjusted MDL.

PQL - Practical Quantitation Limit

BQL - Below Quantitation Limit

# Methodology

## Job Number: 39278

**Reference:** Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, USEPA, SW-846.

| Parameter | Method |
|---|---|
| Beryllium* | 6020 |
| Mercury* | 7471 |

* Subcontracted to Pace Anaytical Services, Inc., LELAP Certification #02006

# Quality Assurance/ Quality Control

## Job Number: 38278

| Parameter | QC Batch ID | Method Blank Result ppm | Spike Added ppm | LCS % Rec. |
|---|---|---|---|---|
| Beryllium | 187388 | BQL | 10.0 | 103 |
| Mercury | 187178 | BQL | 0.100 | 93 |

BQL-Below Quantitation Limit

39278

Veolia Water - New Orleans c/o Kevin Servat (504) 277-5400

VEOLIA WATER

# FIELD CHAIN OF CUSTODY RECORD

## FIELD MONITORING PROGRAM

SAMPLERS (SIGNATURES)

| FACILITY | SAMPLE SOURCE | COMPOSITING PERIOD: SAMPLING BEGINS DATE | SAMPLING BEGINS TIME | SAMPLING ENDS DATE | SAMPLING ENDS TIME | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | G/C | FLOW MGD | CONTAINER VOLUME | CONTAINER G/P | Volatile Organics | Pesticides/PCB's | Trace Metals | Cyanide | Phenols | Oil and Grease | Solids | BOD | Ammonia Nitrogen | Phosphorous | Coliform | pH | NESHAP's Hg + BE | Preservation | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N.O. EB WWTP | Sludge Cake | 6-19-12 | 0700 | 6-20-12 | 0700 | 6-20-12 | 0730 | C | - | 1L | P | | | | | | | | | | | | | X | 4°C Ice | |

Please notify Mike Antoine. 2-wk turnaround time.

| RELINQUISHED BY | DATE | TIME | RECEIVED BY | RELINQUISHED BY | DATE | TIME | RECEIVED BY |
|---|---|---|---|---|---|---|---|
| | 6-20-12 | 1550 | | | | | |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY | RELINQUISHED BY | DATE | TIME | RECEIVED BY |
| | | | | | | | |
| RELINQUISHED BY | DATE | TIME | RECEIVED BY | RELINQUISHED BY | DATE | TIME | RECEIVED BY |
| | | | | | | | |

REMARKS

Rec'd 15.4°C

WNA 3013 (5/04)

97892

# NESHAP Mercury & Beryllium Testing 2012

Sewerage and Water Board of New Orleans
East Bank WWTP (NPDES Permit LA0038091)

| | | Time | | | Charging Rates | | | |
|---|---|---|---|---|---|---|---|---|
| | Date | Begin | End | | Initial | Final | Gallons | GPM |
| Shift #1 | 6/19/2012 | 0700 | 1900 | | 37011458 | 37018398 | 6,940 | 9.64 |
| Shift #2 | 6/19-20/12 | 1900 | 0700 | | 37018396 | 37032230 | 13,834 | 19.21 |
| | | | | | | Total | 20,774 | 14.43 |
| | | | | | | Average | 10,387 | |

K. Servat
Kevin Servat
Project Manager

6/20/12
Date