# Borough of Naugatuck Water Pollution Control Facility

# Monthly Operating Report Jan 2014

**Table of Contents – January 2014**


| | | |
|---|---|---|
| 1. | Monthly Operating Report | Page 1 |
| 2. | Monthly Operating Report: cover page | Page 2 |
| 3. | Monthly WPCF Report January 2014 | Page 3-4 |
| 4. | Collection Systems Reports | Page 5-9 |
| 5. | CTDEEP December 2014 Monthly Reports | Page 10-21 |
| 6. | Aquatic Toxicity report 1 St QTR 201 | Page 22-30 |
| 7. | 503 EPA Report 2014 | Page 31-40 |
| 8. | Continuous Emissions monitoring Semi Annual Report | Page 41-65 |
| 9. | Continuous Opacity Monitoring System Summary | Page 66-79 |
| 10. | CTDEEP Letter dated Feb 4, 2014: Title V permit application deadline | Page 80 |
| 11. | Daily Min/Max/Total Flow Chart | Page 81 |
| 12. | Total Feet of Sewers Cleaned Chart | Page 82 |
| 13. | Monthly Average Flows Chart | Page 83 |

# Borough of Naugatuck
# Water Pollution Control Facility
# Monthly Operating Report
# Jan 2014

VEOLIA
WATER

February 7, 2014

Ronald Merancy, Chairman
Water Pollution Control Authority
Borough of Naugatuck
229 Church Street
Naugatuck, CT 06770

Re: **January 2014 Monthly Operating Report**

Dear Mr. Merancy:

Enclosed please find Veolia Water's Monthly Operating Report for the month of January 2014.

Please contact me at the address below if you have any questions about this report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager
Veolia Water Naugatuck

cc: WPCA members: Rimas Balsys, Catherine Aresta, Pat Mallane, James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck, Kathleen Luvisi, Senior Environmental Engineer, Alternative Resources, Inc.

(enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

# Borough of Naugatuck
## Monthly WPCF Report January 2014

This report summarizes the activities at the Borough POTW for January 2014:

1. **Highlights and Significant Issues:** Please refer to the report.
2. **Collection System Update:**

Please see attached Collections Report.

3. **Plant Performance Summary:**

Please see the attached reports and graphs for additional performance details.

| Plant Process Data | Limit | Actual |
|---|---|---|
| Total Suspended Solids (mg/l) | | |
| Influent Avg. | - | 153 |
| Effluent Avg. | 30 | 5 |
| Removal Efficiency | 85% | 97% |

| Plant Process Data* | Limit | Actual |
|---|---|---|
| Carbonaceous BOD | | |
| Influent Avg. | - | 129 |
| Effluent Avg. | 30 | 4 |
| Removal Efficiency | 85% | 97% |

Discharge Permit Exceedance: None

| | Naugatuck | Middlebury | Oxford | OTR |
|---|---|---|---|---|
| **Jan** Flow Avg. (MGD) | 5.5 | 0.625 | 0.067 | N/A |
| Sludge Liquid Total (MGal) | | | | 3480.5 |
| Sludge Cake Total (Wet Tons) | | | | 6394.2 |
| Septage Total (MGal) | 28,000 | 19,000 | 50,750 | 132,700 |

Discharge Permit Exceedance: None

**Safety Incidents and Odor Complaints**

| | Month | YTD |
|---|---|---|
| Recordable Accidents | 0 | 0 |
| Lost Time Accidents | 0 | 0 |
| Odor Complaints | 0 | 0 |
| Unconfirmed Odor Complaints | 0 | 0 |

1. **Compliance & Regulatory Issues**
   a. There were no recorded Odor Complaints for January 2014.
2. **Personnel**
   a. No report.
3. **.Health & Safety**
   a. Hearing Conversation training was held on Jan 21, 2014.
   b. Respiratory training is scheduled for February 24, 2014.
4. **Operational Information**
   a. New packing and a new support grating was ordered and installed for the primary tank odor scrubber.
   b. A lease vehicle requisition was approved for a truck to be used for sanding and plowing. The truck should arrive in late February early March 2014.
   c. A diffuser piping coupling failed in aeration tank #6. The tank was repaired over the weekend of Jan 4th and 5th and the tank returned to service.

**Borough of Naugatuck**
**Monthly WPCF Report January 2014**

**d.** Two new RAS (Return Activated Sludge) pumps were installed.

5. **Collections**
   **a.** A flowmeter for the Platts Mill pump station was installed on Jan 23, 2014. For the first five days the average flow was approximately 6000 gpd.

6. **Maintenance**
   **a.** Maintenance Shop organization is over 90% complete. The concrete floors and walls have been painted.
   **b.** Horizontal Spirac screw IC2 cracked and was replaced on Jan 10, 2014.
   **c.** The original seal on the #3 RAS pump has failed and a new pump was installed and in service Jan 10, 2014.
   **d.** A second new pump replaced #2 RAS.
   **e.** The sand feed line elbow was repaired as the sand erodes the metal from that elbow.
   **f.** Both Abel sludge cake pumps were rebuilt.
   **g.** We are ordering parts for the #3 raw sewage pump installation so that upon arrival of the pump (now late February 2014) it may be installed.
   **h.** Two new sets of hydraulic hoses were ordered for the Abel sludge feed pumps.

6. **Capital Projects**
   No report.

VEOLIA WATER

**Borough of Naugatuck**
**Collections Systems Report**
**January 2014**

| | Calls for Service |
|---|---|
| 1 | 456 Mulberry st main line blockage 01/01/14 |
| 2 | 66 Terrace Ave lateral blockage 01/15/14 |
| 3 | 74 Sheffield Ave lateral issue 01/16/14 |
| 4 | 103 Locust st main line blockage 01/21/14 |
| 5 | 44 Woodbine st (CT Water issue) 01/30/14 |
| 6 | |

| This Month | Year to Date |
|---|---|
| 5 | 13 |

| | Calls Caused By Collection System | Reason |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

| | High Velocity Cleaning<br>Street Name | Date | Footage |
|---|---|---|---|
| 1 | Mulberry st. 11-16 to 11-17 | 1/1/2014 | 365 |
| 2 | Beacon Manor Cir. 16-16 to 16-4 | 1/2/2014 | 200 |
| 3 | Beacon Wood ct. 16-13 to 16-16 | 1/2/2014 | 250 |
| 4 | Rado dr. 4-33 to 4-25 | 1/6/2014 | 525 |
| 5 | Rado dr. 4-25 to 4-20 | 1/6/2014 | 875 |
| 6 | Pleasant ave. 12-15 to 12-7 | 1/7/2014 | 800 |
| 7 | Jolie rd. no M/H #s | 1/13/2014 | 290 |
| 8 | Olivia Ln. no M/H #s | 1/13/2014 | 450 |
| 9 | Charlene dr. no M/H #s | 1/14/2014 | 420 |
| 10 | Linda ct. 4-74 to 4-70 | 1/14/2014 | 440 |
| 11 | Linda ct. 4-70 to 4-69 | 1/14/2014 | 225 |
| 12 | Linda ct. 4-69 to 4-66 | 1/15/2014 | 600 |
| 13 | Linda ct. 4-66 to 4-62 | 1/15/2014 | 438 |
| 14 | Debbie Ln. 4-62F to 4-62A | 1/15/2014 | 815 |
| 15 | Terrace Ave. end of line | 1/15/2014 | 50 |
| 16 | Miller dr. end to 4-82 | 1/16/2014 | 300 |
| 17 | Miller dr. 4-82 to 4-80 | 1/16/2014 | 330 |
| 18 | Miller dr. 4-80 to 4-57 | 1/16/2014 | 540 |
| 19 | Debbie Ln. 4-62 to 4-59 | 1/16/2014 | 390 |
| 20 | Sheffield Ave. end of line | 1/16/2014 | 130 |
| 21 | Victoria Ln. 11-69 to 11-66 | 1/20/2014 | 485 |
| 22 | Woodside dr. 11-61 to 11-17 | 1/20/2014 | 505 |
| 23 | Locust st. 7-125 to 7-129 | 1/21/2014 | 367 |
| 24 | Locust st. 7-129 to upstream | 1/22/2014 | 113 |
| 25 | Locust st. 7-126 to 7-136 | 1/24/2014 | 710 |
| 26 | Locust st. 7-125 to 7-129 | Jan-14 | 367 |
| 27 | Woodbine st. 7-263 to 7-265 | 1/30/2014 | 250 |

6 month list
Call for service

| This Month | | Year to Date | |
|---|---|---|---|
| 11230 | Feet | 98463 | Feet |

| | Root Treatment | | |
|---|---|---|---|
| | Street Name | Type | Footage |
| 1 | | | |
| 2 | | | |
| 3 | | | 1 |
| | | | This Month |
| | | | 1 Feet |

| Year to Date | |
|---|---|
| 4684 | Feet |

| | Video Inspections | | |
|---|---|---|---|
| | Street Name | Type | Footage |
| 1 | 66 Terrace Ave 01/15/14 | cctv | 50 |
| 2 | 74 Sheffield Ave 01/17/14 | cctv | 172 |
| 3 | 103 Locust st 01/24/14 - 01/27/14 | cctv | 367 |
| 4 | | | |
| 5 | | | 1 |
| | | | This Month |
| | | | 590 Feet |

| Year to Date | |
|---|---|
| 4233 | Feet |

| | Pump Station Services | | | |
|---|---|---|---|---|
| | Work performed | Location | Date | Notes |
| 1 | Pump Station Services | All 5 | 1/2/2014 | |
| 2 | Pump Station Services | All 5 | 1/8/2014 | |
| 3 | Pump Station Services | All 5 | 1/20/2014 | |
| 4 | Pump Station Services | All 5 | 1/27/2014 | |
| 5 | Pump Station Services | All 5 | 1/31/2014 | |
| 6 | kinsley power / yankee gas at Inwood | 4 | 1/10/2014 | Generator problem |
| 7 | | | | |

| PUMP RUN TIMES | | HOURS | | |
|---|---|---|---|---|
| STATION | | Pump 1 | Pump 2 | Pump 3 |
| Inwood | End Reading | 518.5 | 2282.4 | 2373 |
| | Start Reading | 518 | 2282.4 | 2230.9 |
| | Hrs Run | 0.5 | 0 | 142.1 |

| PUMP RUN TIMES | | HOURS | | |
|---|---|---|---|---|
| STATION | | Pump 1 | Pump 2 | Pump 3 |
| MAPLE & MAY | End Reading | 32139.5 | none | N/A |
| | Start Reading | 32062.5 | none | N/A |
| | Hrs Run | 77 | #VALUE! | |

| PUMP RUN TIMES | | HOURS | | |
|---|---|---|---|---|
| STATION | | Pump 1 | Pump 2 | Pump 3 |
| Platts Mill | End Reading | 3169.2 | 3831.4 | N/A |
| | Start Reading | 3069.7 | 3688.7 | N/A |
| | Hrs Run | 99.5 | 142.7 | |

| PUMP RUN TIMES | | HOURS | | |
|---|---|---|---|---|
| STATION | | Pump 1 | Pump 2 | Pump 3 |
| Hopbrook | End Reading | 890.4 | 620.9 | N/A |
| | Start Reading | 873 | 611.9 | N/A |
| | Hrs Run | 17.4 | 9 | |

| PUMP RUN TIMES | | HOURS | | |
|---|---|---|---|---|
| STATION | | Pump 1 | Pump 2 | Pump 3 |
| HORTON HILL | End Reading | 6727.6 | 8739.8 | N/A |
| | Start Reading | 6605 | 8665 | N/A |
| | Hrs Run | 122.6 | 74.8 | |

## Vac Truck Information

| Days out of the plant working | | |
|---|---|---|
| This Month | YTD | Remaining |
| 16 | 102 | 48 |

| | | | | |
|---|---|---|---|---|
| | $166.90 | 38.5 | Gallons | YTD Gallons |
| | $179.17 | 41.9 | Gallons | 749.9 Gallons |
| | | | Gallons | |
| | | | Gallons | YTD Fuel Cost |
| This Months Total | $346.07 | 80.3 | Gallons | $3,306.76 |

| | Mileage |
|---|---|
| Month Start | 170546 |
| Month End | 171336 |
| Total | 790 |

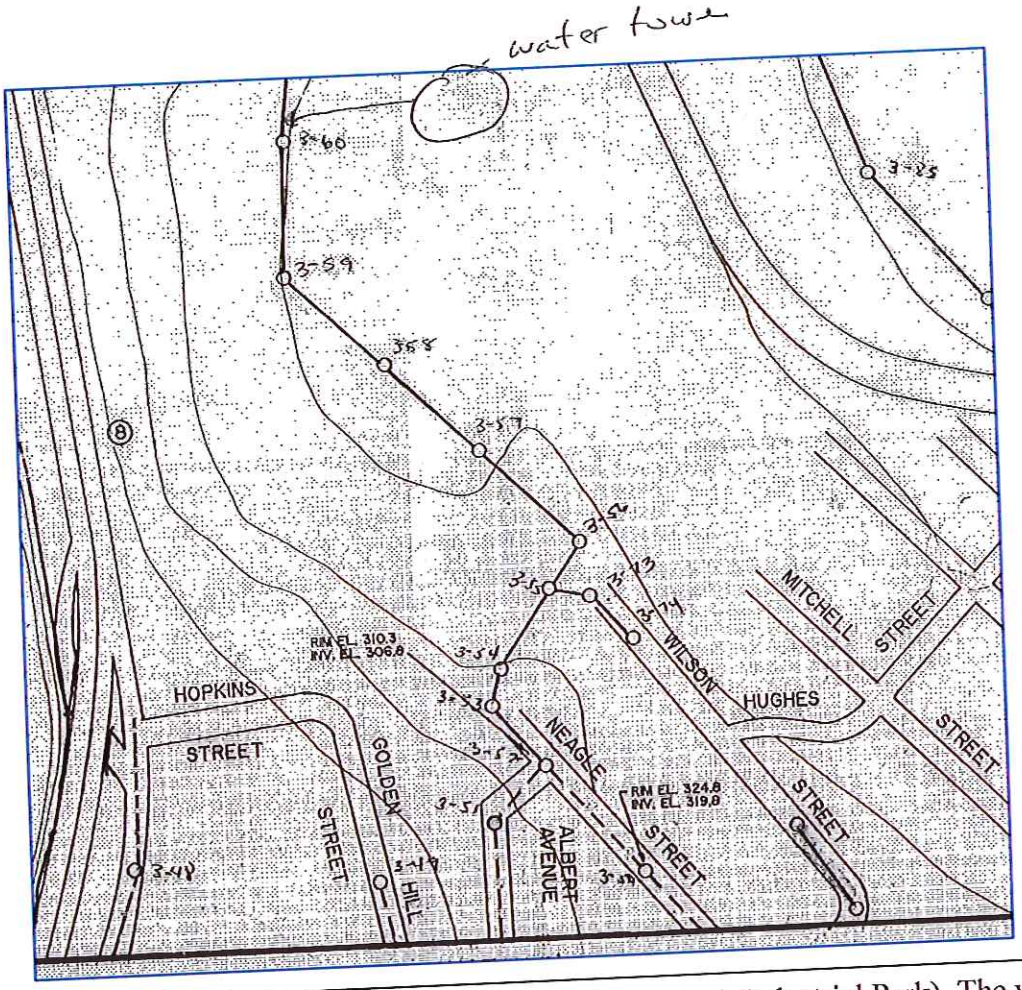
| | Engine Hours |
|---|---|
| Month Start | 4761.5 |
| Month End | 4810.8 |
| Total | 49.3 |

## Utlity Truck Information

| Fuel Cost | Fuel Used | | |
|---|---|---|---|
| $103.65 | 23.88 | Gallons | YTD Gallons |
| $110.01 | 25.35 | Gallons | 372.74 |
| $71.72 | 16.76 | Gallons | |
| $141.69 | 31.22 | Gallons | YTD Fuel Cost |
| **$427.07** | **97.21** | Gallons | $1,584.63 |

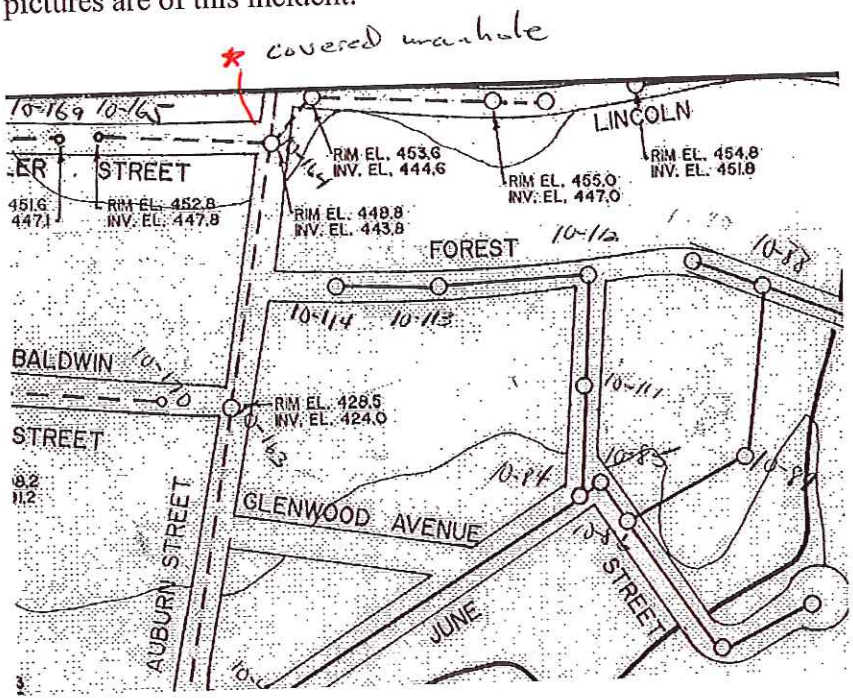
## Other tasks and notes

| | |
|---|---|
| 1 | 01/03/14 Snow removal from plant and pumpstations |
| 2 | 01/06/14 Skimmings |
| 3 | 01/06/14 Fixed blower problem with vac truck |
| 4 | 01/09/14 Inspect Rado dr easement |
| 5 | 01/10/14 Snow removal from plant and pumpstations |
| 6 | 01/13/14 jetted secondary draft tubes |
| 7 | 01/13/14 Inspect Jolie rd easement |
| 8 | 01/14/14 Inspect Hopbrook easement and fire extinguishers at pumpstations |
| 9 | 01/16/14 vac truck maintenance and cleaning |
| 10 | 01/16/14 Replaced M/H in Breen Field |
| 11 | 01/17/14 Washed/cleaned Transit vehical |
| 12 | 01/22/14 Snow removal from plant and pumpstations |
| 13 | 01/23/14 Assisted with flow meter installation at Platts Mill |
| 14 | 01/27/14 - 01/31/14 Recorded Platts Mill Flow every morning at 8:00am |
| 15 | 01/29/14 Took plow hydraulics apart for maintenance |
| 16 | 01/29/14 Put powdwer sheild on plow |
| 17 | 01/30/14 Inspected industrial park easement and M/Hs |
| 18 | 01/31/14 Change rear valve on vac truck |
| 19 | |
| 20 | |




A potable water tower is located at MH 3-58 (Naugatuck Industrial Park). The water tower overflow is directly connected to the sanitary sewer line. A valve on the premises that feeds water from the Horton Hill treatment plant failed open. Pumps that feed the tower were constantly filling the tower with water causing it to overflow. The overflow in turn overwhelmed the sewer system down stream. Collections were called in for a sewer overflow on Woodbine St at about 2:00AM by the Naugatuck Police Department. Upon jetting the line the flow increased and started to flow out of three man holes. Upon further investigation the water tower overflow was discovered. CT water was called and they shut their valve to stop the overflow and surging of the sewer lines stopped. Prior to the shut off of the water tower the police department was called in due to heavy icing on the road and they called the fire department because 44 Woodbine St household basement s was flooding. Ct Water made necessary repairs and CT DEEP was notified.

On Tuesday February 4th 2014 Collections was called in for a sewer backup to 7 Lincoln St. Resident was experiencing "gurgling" noises coming from her bathroom. Upon investigation they discover the manhole backed up. They proceeded to jet down stream of man hole to loosen blockage. Roots were pulled back but flow was still somewhat impeded. This ~~are~~ is on the root control list and was treated on October 6, 2011. Man hole 10-164 (on the corner of Fuller and Auburn) could not be located even though this is the man hole that was used to conduct root treatment. Lid was located by metal detector and it seems to have been paved over. G&L Excavating was called in to jack hammer the pavement on top of the man hole. The rim of the man hole was broken and laying in the sewer line causing the blockage. The manhole needs to be raised. The following map and pictures are of this incident.



rim inside sewer

paved over manhole

P10

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 0866 on February 10, 2014

Municipal Wastewater Monitoring Coordinator
Connecticut Department of Energy and Environmental Protection
Bureau of Water Management
79 Elm Street
Hartford, CT 06106-5127

February 10, 2014

**Re: January 2014 Reports for Naugatuck, CT WPCF, NPDES # CT0100641**

Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report, and Nutrients Analysis Report* for the month of January 2014. The *Nutrients Analysis Report for Compliance with General Permit for Nitrogen Discharges and Discharge Monitoring Report* were submitted electronically. There were no exceptions to the reports.

Also enclosed is a summary of sludge sources received at this facility during the month of January 2014.

Please contact me if you have any questions regarding the enclosed report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck
(enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

Facility: Naugatuck WWTF
Sample month: Jan,2014
Facility ID: 088-001
Page 1 of MOR for permit # CT0100641

Chief Operator: John Batorski
Permit expiration date: August 7, 2006

Please return forms to: DEP-BWM
79 Elm Street
Hartford, CT 06106-5127

Date received: (stamped)

| | Daily Flow | | | Primary Sludge | | | Aeration Tanks | | | | Return sludge | | Waste sludge | Dry solids to incineration | Waste accepted | | CBOD (5-day) | | | Suspended Solids | | | Settleable Solids | Turbidity | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max. | Min. | Total | Vol. | % solids | wt. lbs. | MLSS | SVI | DO Hi | DO Lo | % flow | % solids | | | septic | indust | Inf. | Prim. Eff. | Final Eff. | Inf. | Prim. Eff. | Final Eff. | Eff. | Eff. | |
| Units | mgd | | | gal. | | | | | mg/l | | | | lbs | lbs | gal | gal | mg/l | | | mg/l | | | ml/l | NTU | |
| Freq | daily | | | work day | | | work day | | | | work day | | work day | work day | work day | | Daily | | | Daily | | | work day | work day | |
| 01 | 6.8 | 3.2 | 5.0 | | | | | | 5.00 | 0.00 | 87 | | 0 | 163,116 | 0 | | 260 | 150 | <4 | 210 | 110 | <5 | | | |
| 02 | 6.1 | 3.2 | 4.9 | | | | 4,206 | 81 | 3.00 | 0.00 | 87 | 0.92 | 0 | 149,940 | 8,500 | | 140 | 125 | <4 | 200 | 140 | <5 | 0.0 | 2.6 | |
| 03 | 6.4 | 3.0 | 4.9 | | | | 3,630 | 86 | 5.00 | 0.00 | 90 | 0.74 | 625 | 156,866 | 0 | | | | | | | | 0.0 | 2.8 | |
| 04 | 6.7 | 2.7 | 4.3 | | | | | | 2.60 | 0.00 | 96 | | 1,876 | 144,086 | 0 | | | | | | | | | | |
| 05 | 13.9 | 2.8 | 5.7 | | | | | | | | 75 | | 7,503 | 174,024 | 0 | | | | | | | | | | |
| 06 | 10.3 | 0.5 | 6.3 | | | | 5,540 | 69 | | | 72 | 1.21 | 0 | 167,124 | 37,000 | | 220 | 160 | <4 | 330 | 250 | 7 | 0.0 | 4.3 | |
| 07 | 7.6 | 4.3 | 5.2 | | | | 3,612 | 91 | 5.00 | 0.00 | 79 | 0.96 | 1,625 | 175,152 | 9,250 | | 130 | 85 | <4 | 180 | 120 | <5 | 0.0 | 2.6 | |
| 08 | 6.8 | 3.5 | 6.2 | | | | 4,008 | 86 | 2.40 | 1.30 | 66 | 0.96 | 4,874 | 168,084 | 29,250 | | 78 | 160 | <4 | 84 | 160 | 5 | 0.0 | 2.5 | |
| 09 | 6.5 | 3.7 | 5.7 | | | | 3,384 | 95 | 2.40 | 1.10 | 75 | 0.77 | 2,278 | 154,571 | 15,200 | | | | | | | | 0.0 | 2.7 | |
| 10 | 6.1 | 3.3 | 5.0 | | | | 3,550 | 80 | 5.00 | 0.70 | 74 | 0.93 | 0 | 164,462 | 11,500 | | | | | | | | 0.0 | 1.9 | |
| 11 | 8.3 | 3.6 | 6.5 | | | | | | 2.80 | 0.90 | 63 | | 0 | 168,004 | 7,000 | | | | | | | | | | |
| 12 | 8.2 | 4.9 | 6.8 | | | | | | 2.60 | 1.00 | 64 | | 0 | 180,108 | 1,000 | | | | | | | | | | |
| 13 | 8.3 | 4.7 | 6.1 | | | | 3,550 | 86 | 2.60 | 1.20 | 95 | 1.00 | 1,904 | 194,616 | 18,250 | | 84 | 130 | <4 | 62 | 110 | <5 | 0.0 | 2.7 | |
| 14 | 8.2 | 4.2 | 6.5 | | | | 3,718 | 86 | 2.70 | 1.10 | 101 | 1.35 | 0 | 185,772 | 16,250 | | 81 | 150 | <4 | 52 | 130 | <5 | 0.0 | 5.3 | |
| 15 | 7.8 | 4.8 | 6.8 | | | | 4,040 | 95 | 2.60 | 1.00 | 99 | 0.97 | 0 | 175,152 | 29,250 | | 80 | 140 | <4 | 79 | 130 | <5 | 0.0 | 2.6 | |
| 16 | 8.1 | 4.9 | 6.5 | | | | 4,560 | 90 | 2.50 | 1.00 | 104 | 1.01 | 1,197 | 161,600 | 25,750 | | | | | | | | 0.0 | 3.5 | |
| 17 | 7.2 | 4.6 | 6.0 | | | | 4,886 | 87 | 4.90 | 0.80 | 112 | 1.07 | 728 | 165,408 | 23,000 | | | | | | | | 0.0 | 2.6 | |
| 18 | 7.6 | 4.4 | 6.1 | | | | | | 2.90 | 1.10 | 113 | | 0 | 170,568 | 4,000 | | | | | | | | | | |
| 19 | 7.6 | 3.6 | 5.8 | | | | | | 3.00 | 1.00 | 117 | | 910 | 179,184 | 0 | | | | | | | | | | |
| 20 | 6.9 | 3.9 | 5.8 | | | | 4,350 | 104 | 2.70 | 1.00 | 114 | 0.93 | 1,305 | 178,704 | 33,500 | | 110 | 120 | <4 | 150 | 87 | <5 | 0.0 | 2.0 | |
| 21 | 6.7 | 3.4 | 5.2 | | | | 5,078 | 88 | 2.70 | 0.80 | 131 | 1.06 | 1,122 | 176,532 | 12,250 | | 110 | 180 | <4 | 120 | 67 | <5 | 0.0 | 2.6 | |
| 22 | 6.5 | 3.8 | 5.4 | | | | 5,274 | 92 | 2.40 | 0.50 | 157 | 1.08 | 1,148 | 135,241 | 2,500 | | 110 | 89 | <4 | 110 | 86 | <5 | 0.0 | 2.1 | |
| 23 | 6.2 | 3.4 | 4.9 | | | | 5,068 | 93 | 2.80 | 0.60 | 165 | 0.92 | 895 | 123,372 | 7,700 | | | | | | | | 0.0 | 4.3 | |
| 24 | 6.1 | 3.4 | 5.1 | | | | 4,778 | 92 | 5.00 | 0.70 | 162 | 0.91 | 770 | 127,136 | 4,750 | | | | | | | | 0.0 | 2.3 | |
| 25 | 7.1 | 3.5 | 5.2 | | | | | | 2.40 | 0.60 | 163 | | 0 | 160,344 | 1,000 | | | | | | | | | | |
| 26 | 6.5 | 3.2 | 5.0 | | | | | | 2.20 | 0.60 | 167 | | 770 | 191,784 | 0 | | | | | | | | | | |
| 27 | 6.2 | 3.3 | 5.0 | | | | 5,168 | 91 | 2.40 | 0.60 | 168 | 0.96 | 939 | 147,888 | 27,200 | | 110 | | <4 | 94 | | <5 | 0.0 | 2.1 | |
| 28 | 6.0 | 2.9 | 5.0 | | | | 5,392 | 93 | 2.40 | 0.60 | 174 | 1.00 | 1,276 | 144,168 | 7,750 | | 150 | 120 | <4 | 250 | 110 | 5 | 0.0 | 3.1 | |
| 29 | 6.1 | 3.1 | 4.8 | | | | 5,052 | 92 | 2.40 | 0.40 | 173 | 0.97 | 1,847 | 141,264 | 11,050 | | 140 | 120 | <4 | 220 | 97 | <5 | 0.0 | 3.5 | |
| 30 | 5.9 | 3.7 | 5.1 | | | | 5,582 | 90 | 3.90 | 0.70 | 168 | 1.00 | 2,127 | 141,264 | 4,000 | | | | | | | | 0.0 | 2.7 | |
| 31 | 6.1 | 3.1 | 4.6 | | | | 10,168 | 71 | 3.90 | 0.00 | 171 | 0.91 | 6,929 | 173,692 | 16,250 | | | | | | | | 0.0 | 3.6 | |
| TOT | | | 171.4 | | | | | | | | | | 42,649 | 5,039,225 | 363,150 | | | | | | | | | | |
| AVG | 7.3 | 3.6 | 5.5 | | | | 4,754 | 88 | 2.1 | 1.6 | 116 | 1.0 | 1,376 | 162,556 | 11,715 | | 129 | 133 | 4 | 153 | 123 | 5 | 0.0 | 2.9 | |

P11

Page 2 of MOR for
Permit # CT100641

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Authorized Official: John Batorski  Title: Plant Manager  Signature: [signature]  Date: 2-10-14

| | Chlorine Dose | | Chlorine Residual | | Fecal Coliform | Ammonia | | | Nitrate | | | Nitrite | | | TKN | | | D.O. | pH | | Ortho P | Total Phosphorus | | Temp. | | Zinc | Copper | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | high | low | | Inf. | Prim. | Eff. | Inf. | Prim. | Eff. | Inf. | Prim. | Eff. | Inf. | Prim. | Eff. | Eff. | Inf. | Eff. | Eff. | Inf. | Eff. | Inf. | Eff. | Eff. | Eff. | |
| Units | lbs | mg/l | mg/l | | #/100 ml | mg/l | | | mg/l | | | mg/l | | | mg/l | | | mg/l | S.U. | | mg/l | mg/l | | Deg F | | kg/d | kg/d | |
| Freq | Daily | | 4/work day | | daily | weekly | | | weekly | | | weekly | | | weekly | | | week | work day | | weekly | wee k | | work day | | work day | work day | |
| 01 | 0.00 | 0.00 | | | | 22.2 | 23.6 | 0.22 | 0.69 | 0.23 | 2.4 | 0.120 | 0.1 | <0.01 | 36.5 | 35.8 | 1.94 | | | | 7.2 | 3.9 | 7.6 | | | 1.48 | 0.19 | |
| 02 | 0.00 | 0.00 | | | | 19.8 | 23.2 | 0.26 | | | 3.2 | | | <0.01 | | | 2.20 | 7.1 | 7.4 | 6.6 | 7.3 | | 7.6 | 55 | 66 | | | |
| 03 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.2 | 7.4 | 6.6 | | | | 56 | 64 | | | |
| 04 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06 | 0.00 | 0.00 | | | | 12.4 | 17.7 | 2.99 | | | 4.4 | | | 0.06 | | | 5.05 | 7.3 | 7.3 | 6.8 | | | | 57 | 68 | | | |
| 07 | 0.00 | 0.00 | | | | 15.9 | 17.1 | 0.59 | | | 2.9 | | | 0.02 | | | 2.62 | 7.1 | 7.3 | 6.5 | 6.3 | | 6.7 | 55 | 65 | 1.66 | 0.24 | |
| 08 | 0.00 | 0.00 | | | | 14.3 | 22.8 | 0.76 | | | 3.7 | | | 0.03 | | | 2.37 | 7.2 | 7.3 | 6.5 | 7.4 | | 7.2 | 55 | 64 | | | |
| 09 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.7 | 7.3 | 6.5 | | | | 56 | 65 | | | |
| 10 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.6 | 7.2 | 6.5 | | | | 54 | 64 | | | |
| 11 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 0.00 | 0.00 | | | | 15.1 | 25.6 | 0.39 | | | 3.6 | | | 0.03 | | | 1.67 | 7.2 | 7.2 | 6.7 | | | | 56 | 67 | | | |
| 14 | 0.00 | 0.00 | | | | 14.6 | 19.8 | 0.09 | | | 2.9 | | | 0.01 | | | 1.48 | 7.5 | 7.5 | 6.5 | 6.3 | | 6.3 | 57 | 68 | 2.14 | 0.22 | |
| 15 | 0.00 | 0.00 | | | | 14.7 | 18.5 | 0.12 | | | 3.3 | | | <0.01 | | | 1.32 | 7.1 | 7.2 | 6.5 | 6.0 | | 5.9 | 57 | 68 | | | |
| 16 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.1 | 7.2 | 6.6 | | | | 56 | 68 | | | |
| 17 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.2 | 7.2 | 6.6 | | | | 55 | 67 | | | |
| 18 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 0.00 | 0.00 | | | | 17.6 | 21.0 | 0.13 | | | 4.2 | | | <0.01 | | | 1.51 | 7.7 | 7.4 | 6.6 | | | | 55 | 67 | | | |
| 21 | 0.00 | 0.00 | | | | 16.7 | 24.6 | 0.15 | | | 3.7 | | | <0.01 | | | 1.86 | 7.5 | 7.3 | 6.6 | 6.8 | | 6.8 | 56 | 67 | 1.95 | 0.18 | |
| 22 | 0.00 | 0.00 | | | | 20.2 | 16.7 | 0.13 | | | 3.8 | | | <0.01 | | | 1.63 | 7.2 | 7.2 | 6.6 | 7.5 | | 7.3 | 52 | 64 | | | |
| 23 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.3 | 7.1 | 6.6 | | | | 52 | 61 | | | |
| 24 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.4 | 7.3 | 6.6 | | | | 53 | 62 | | | |
| 25 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 0.00 | 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 0.00 | 0.00 | | | | 19.8 | | 0.10 | | | 3.2 | | | <0.01 | | | 1.60 | 7.5 | 7.4 | 6.7 | | | | 55 | 65 | | | |
| 28 | 0.00 | 0.00 | | | | 21.6 | 20.0 | 0.16 | | | 3.5 | | | <0.01 | | | 1.77 | 8.0 | 7.4 | 6.8 | 6.9 | | 7.4 | 53 | 62 | | | |
| 29 | 0.00 | 0.00 | | | | 20.8 | 21.0 | 0.19 | | | 3.9 | | | <0.01 | | | 1.75 | 8.8 | 7.4 | 6.9 | 7.6 | | 7.8 | 56 | 62 | 1.56 | 0.22 | |
| 30 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.4 | 7.3 | 6.7 | | | | 53 | 65 | | | |
| 31 | 0.00 | 0.00 | | | | | | | | | | | | | | | | 7.4 | 7.3 | 6.7 | | | | 55 | 64 | | | |
| TOT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AVG | | | | | | 17.6 | 20.9 | 0.45 | 0.7 | 0.2 | 3.5 | 0.1 | 0.1 | 0.02 | 36.5 | 35.8 | 2.06 | 7.4 | 7.3 | 6.6 | 6.9 | 3.9 | 7.0 | 55 | 65 | 1.76 | 0.21 | |

# Nutrient Analysis Report

Town/Facility: Naugatuck WWTF

Flow Rate: 5.0 MGD

Sampling Date: 01/01/14

| Parameter | Raw Influent | | Primary Effluent | | Final Effluent | | | | Plant Efficiency |
|---|---|---|---|---|---|---|---|---|---|
| | mg/l | lbs/day | mg/l | lbs/day | mg/l | lbs/day | mg/l | lbs/day | (%) |
| Ammonia | 22.2 | | 23.6 | | 0.2 | | | | |
| Nitrites | 0.12 | | 0.06 | | <0.01 | | | | |
| Nitrates | 0.7 | | 0.2 | | 2.4 | | | | |
| TKN | 36.5 | | 35.8 | | 1.9 | | | | |
| Total Nitrogen | 37.3 | 1,556 | 36.1 | 1,505 | 4.3 | 179 | | | 88 |
| Orthophosphates | 1.8 | 75 | | | 7.2 | 301 | | | |
| Total Phosphorus | 3.9 | 163 | | | 7.6 | 315 | | | |

Permit # CT0100641

VEOLIA WATER

# Naugatuck Plant Samples by Intake Forecast Summary

Sample Date Range 1/1/2014 - 1/31/2014
Forecast Date Range 2/1/2014 - 1/31/2014
Number of Forecast Days: 0

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Bates, Inc.** | | |
| **Liquid Sludge** | 0 | 24,000 |
| Total Gallons: 24,000 | | |
| Total Samples for Bates, Inc.: 4 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Beacon Falls Treatment** | | |
| **Liquid Sludge** | 0 | 123,500 |
| Total Gallons: 123,500 | | |
| Total Samples for Beacon Falls Treatment: 19 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Bennett Septic** | | |
| **Septage** | 0 | 131,500 |
| Total Gallons: 131,500 | | |
| Total Samples for Bennett Septic: 34 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Bill Dunn Sanitation** | | |
| **Septage** | 0 | 23,800 |
| Total Gallons: 23,800 | | |
| Total Samples for Bill Dunn Sanitation: 12 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Bill Marek Excavating & Septic Systems** | | |
| **Septage** | 0 | 15,000 |
| Total Gallons: 15,000 | | |
| Total Samples for Bill Marek Excavating & Septic Systems: 5 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Bristol** | | |
| **Cake Sludge** | 0 | 568 |
| Total Tons: 567.60 | | |
| Total Samples for Bristol: 33 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Casella Chicopee** | | |
| **Cake Sludge** | 0 | 587 |
| Total Tons: 587.04 | | |
| Total Samples for Casella Chicopee: 22 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Casella Glen Cove** | | |
| **Cake Sludge** | 0 | 362 |
| Total Tons: 362.05 | | |
| Total Samples for Casella Glen Cove: 14 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Casella Suffolk NY** | | |
| **Cake Sludge** | 0 | 1,629 |
| Total Tons: 1,628.51 | | |
| Total Samples for Casella Suffolk NY: 60 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Casella Westfield MA** | | |
| **Cake Sludge** | 0 | 513 |
| Total Tons: 513.10 | | |
| Total Samples for Casella Westfield MA: 21 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Casella Yorktown Heights** | | |
| **Cake Sludge** | 0 | 55 |

otal Samples for Casella Yorktown Heights: 4

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **hatfield** | | |
| **eptage** | 0 | 4,800 |
| otal Gallons: 4,800 | | |
| otal Samples for Chatfield: 6 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Country Septic** | | |
| **Septage** | 0 | 9,500 |
| Total Gallons: 9,500 | | |
| Total Samples for Country Septic: 2 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **East Coast Septic** | | |
| **Septage** | 0 | 80,000 |
| Total Gallons: 80,000 | | |
| Total Samples for East Coast Septic: 20 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Grieger Excavating** | | |
| **Septage** | 0 | 15,000 |
| Total Gallons: 15,000 | | |
| Total Samples for Grieger Excavating: 6 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Heritage Village Water** | | |
| **Liquid Sludge** | 0 | 37,000 |
| Total Gallons: 37,000 | | |
| Total Samples for Heritage Village Water: 6 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **HI Stone Septic** | | |
| **Septage** | 0 | 6,500 |
| Total Gallons: 6,500 | | |
| Total Samples for HI Stone Septic: 1 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Koseski Septic** | | |
| **Septage** | 0 | 45,000 |
| Total Gallons: 45,000 | | |
| Total Samples for Koseski Septic: 15 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Litchfield** | | |
| **Liquid Sludge** | 0 | 39,000 |
| Total Gallons: 39,000 | | |
| Total Samples for Litchfield: 6 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Lynnwood Place** | | |
| **Septage** | 0 | 39,000 |
| Total Gallons: 39,000 | | |
| Total Samples for Lynnwood Place: 6 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **Mahopac Septic** | | |
| **Liquid Sludge** | 0 | 622,500 |
| Total Gallons: 622,500 | | |
| Total Samples for Mahopac Septic: 105 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **New England Septic** | | |
| **Septage** | 0 | 36,000 |
| Total Gallons: 36,000 | | |
| Total Samples for New England Septic: 12 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **New Hartford** | | |

| | | |
|---|---|---|
| otal Gallons: 97,500 | 0 | 97,500 |
| otal Samples for New Hartford : 15 | | |

| New Rochelle | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Cake Sludge | 0 | 2,367 |
| Total Tons: 2,366.66 | | |
| Total Samples for New Rochelle: 104 | | |

| North Canaan | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | 0 | 39,000 |
| Total Gallons: 39,000 | | |
| Total Samples for North Canaan: 6 | | |

| Oxbury Sanitation | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Septage | 0 | 3,000 |
| Total Gallons: 3,000 | | |
| Total Samples for Oxbury Sanitation: 1 | | |

| Pawling | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | 0 | 32,500 |
| Total Gallons: 32,500 | | |
| Total Samples for Pawling: 5 | | |

| Plymouth | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | 0 | 78,000 |
| Total Gallons: 78,000 | | |
| Total Samples for Plymouth: 12 | | |

| Prospect Sanitation | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Septage | 0 | 10,000 |
| Total Gallons: 10,000 | | |
| Total Samples for Prospect Sanitation: 4 | | |

| Rhinebeck | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Cake Sludge | 0 | 19 |
| Total Tons: 18.90 | | |
| Total Samples for Rhinebeck: 2 | | |

| Stratford | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | 0 | 890,500 |
| Total Gallons: 890,500 | | |
| Total Samples for Stratford: 137 | | |

| Superior Sanitation | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Septage | 0 | 12,000 |
| Total Gallons: 12,000 | | |
| Total Samples for Superior Sanitation: 8 | | |

| Synagro | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | 0 | 182,000 |
| Total Gallons: 182,000 | | |
| Total Samples for Synagro: 28 | | |

| Talarico Septic | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Septage | 0 | 148,000 |
| Total Gallons: 148,000 | | |
| Total Samples for Talarico Septic: 37 | | |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|

quid Sludge
ıtal Gallons: 52,000 | 0 | 52,000
ıtal Samples for Thomaston: 8

| orrington | Forecasted New Intake | Forecasted Total |
|---|---|---|
| iquid Sludge | | |
| otal Gallons: 370,500 | 0 | 370,500 |
| otal Samples for Torrington: 57 | | |

| /eolia Bedford Hills | Forecasted New Intake | Forecasted Total |
|---|---|---|
| .iquid Sludge | | |
| Total Gallons: 19,500 | 0 | 19,500 |
| Total Samples for Veolia Bedford Hills: 3 | | |

| Veolia Cranston | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Cake Sludge | | |
| Total Tons: 33.38 | 0 | 33 |
| Total Samples for Veolia Cranston: 2 | | |

| Veolia Danbury | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Cake Sludge | | |
| Total Tons: 112.15 | 0 | 112 |
| Total Samples for Veolia Danbury: 5 | | |

| Veolia North Haven | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | | |
| Total Gallons: 97,500 | 0 | 97,500 |
| Total Samples for Veolia North Haven: 15 | | |

| Veolia Pepsi | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | | |
| Total Gallons: 13,000 | 0 | 13,000 |
| Total Samples for Veolia Pepsi: 2 | | |

| Veolia Poughkeepsie | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | | |
| Total Gallons: 409,500 | 0 | 409,500 |
| Total Samples for Veolia Poughkeepsie: 63 | | |

| Veolia Seymour | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Cake Sludge | | |
| Total Tons: 150.04 | 0 | 150 |
| Total Samples for Veolia Seymour: 14 | | |

| VES Americas Styrenics | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Industrial Waste Water | | |
| Total Gallons: 6,500 | 0 | 6,500 |
| Total Samples for VES Americas Styrenics : 1 | | |

| VES PPL Wallingford | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Industrial Waste Water | | |
| Total Gallons: 4,000 | 0 | 4,000 |
| Total Samples for VES PPL Wallingford: 1 | | |

| Westport Printed: 2/5/2014 9:37:53 AM | Forecasted New Intake | Forecasted Total |
|---|---|---|
| Liquid Sludge | | |
| Total Gallons: 156,000 | 0 | 156,000 |

| | Forecasted New Intake | Forecasted Total |
|---|---|---|
| **/indham** | | |
| **iquid Sludge** | 0 | 253,500 |
| otal Gallons: 253,500 | | |
| 'otal Samples for Windham: 39 | | |
| 'otal Gallons for all Customers 1/1/2014 - 1/31/2014: 4,126,600 | 0 | 4,126,600 |
| Total Tons for all Customers 1/1/2014 - 1/31/2014: 6,394.23 | 0 | 6,394 |
| Total Samples for all Customers 1/1/2014 - 1/31/2014: 1006 | | |



Printed: 2/5/2014 9:37:53 AM

# Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

**Month:** Jan-14

**Facility Name:** NAUGATUCK TREATMENT Co.

**Design Flow:** 10.3 MGD

**Permit Number:** CT0100641

**Final Effluent**

| Plant Name | Sample Date (mm/dd/yyyy) | Average Daily Flow (mgd) | TKN (mg/l) | (Nitrite + Nitrate) (mg/l) | Total Nitrogen (mg/l) | Total Nitrogen (lbs/d) |
|---|---|---|---|---|---|---|
| NAUGATUCK TRE | 1/1/2014 | 5 | 1.94 | 2.35 | 4.3 | 179 |
| NAUGATUCK TRE | 1/2/2014 | 4.9 | 2.2 | 3.17 | 5.4 | 221 |
| NAUGATUCK TRE | 1/6/2014 | 6.3 | 5.05 | 4.45 | 9.5 | 499 |
| NAUGATUCK TRE | 1/7/2014 | 5.2 | 2.62 | 2.9 | 5.5 | 239 |
| NAUGATUCK TRE | 1/8/2014 | 6.2 | 2.37 | 3.72 | 6.1 | 315 |
| NAUGATUCK TRE | 1/13/2014 | 6.1 | 1.67 | 3.6 | 5.3 | 270 |
| NAUGATUCK TRE | 1/14/2014 | 6.5 | 1.48 | 2.86 | 4.3 | 233 |
| NAUGATUCK TRE | 1/15/2014 | 6.8 | 1.32 | 3.33 | 4.7 | 267 |
| NAUGATUCK TRE | 1/20/2014 | 5.8 | 1.51 | 4.23 | 5.7 | 276 |
| NAUGATUCK TRE | 1/21/2014 | 5.2 | 1.86 | 3.72 | 5.6 | 243 |
| NAUGATUCK TRE | 1/22/2014 | 5.4 | 1.63 | 3.76 | 5.4 | 243 |
| NAUGATUCK TRE | 1/27/2014 | 5 | 1.6 | 3.18 | 4.8 | 200 |
| NAUGATUCK TRE | 1/28/2014 | 5 | 1.77 | 3.47 | 5.2 | 217 |
| NAUGATUCK TRE | 1/29/2014 | 4.8 | 1.75 | 3.89 | 5.6 | 224 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | | 0 | 0 |
| | | | | Total Pounds | | 3626 |
| | | | | Average Pounds | | 259 |

Date of Last Calibration of Flow Meter: 7/15/2013

**Statement of Acknowledgement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

**Authorized Official:** _____

**Title:** _____

Sent electronically 2-10-14 JB

# DMR Copy of Record

**Permit**

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | CT0100641 | **Permittee:** | NAUGATUCK WPCF | **Facility:** | NAUGATUCK, BOROUGH OF |
| **Major:** | Yes | **Permittee Address:** | 500 CHERRY STREET<br>NAUGATUCK, CT 06770 | **Facility Location:** | 500 CHERRY STREET<br>NAUGATUCK, CT 06770 |
| **Permitted Feature:** | 001<br>External Outfall | **Discharge:** | 001-1<br>SANITARY SEWAGE | | |

**Report Dates & Status**

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | From 01/01/14 to 01/31/14 | **DMR Due Date:** | 02/15/14 | **Status:** | NetDMR Validated |

**Considerations for Form Completion**

MONTHLY AVERAGE CONCENTRATIONS SHALL NOT BE EXCEEDED BY > 1.5 DURING ANY WEEK.GRAB SAMPLES SHALL BE TAKEN DURINGPERIODS OF DAILY PEAK FLOW.SAMPLES COLLECTED FOR BACTERIOLOGICAL EXAM SHALL BE COLLECTED BTW 11AM & 3PM OR DURING PEAK HORLY FLOW.

**Principal Executive Officer**

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | John | **Title:** | Plant Manager | **Telephone:** | 203-723-1433 |
| **Last Name:** | Batorski | | | | |

**No Data Indicator (NODI)**

**Form NODI:** –

| Parameter Code | Parameter Name | Monitoring Location | Season # | Param. NODI | | Quantity or Loading Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Quality or Concentration Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 68 | 15 - deg F | | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon INST MAX | 15 - deg F | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00300 | Oxygen, dissolved [DO] | 1 - Effluent Gross | 0 | – | Sample | | | | | | = | 7.1 | | | | | 19 - mg/L | | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 5.0001 INST MIN | | | | | 19 - mg/L | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | – | Sample | | | | | | = | 6.5 | | | = | 6.0 | 12 - SU | | 01/01 - Daily | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6 INST MIN | | | <= | 9 INST MAX | 12 - SU | | 01/01 - Daily | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00410 | Alkalinity, total [as CaCO3] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 50 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon INST MAX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | = | 5 | = | 7 | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | <= | 30 MO AVG | <= | 45 DAILY MX | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | G - Raw Sewage Influent | 0 | – | Sample | | | | | | | | = | 153 | | | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00545 | Solids, settleable | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | < | 0.01 | 25 - mL/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon INST MAX | 25 - mL/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 0.5 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00600 | Nitrogen, total | C - Nitrogen, Removal Complete | 0 | – | Sample | = | 259 | | | 26 - lb/d | | | | | | | | | 02/07 - Twice Every Week | CP - COMPOS |
| | | | | | Permit Req. | | Req Mon MO AVG | | | 26 - lb/d | | | | | | | | | 02/07 - Twice Every Week | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | = | 0.4 | = | 3 | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | <= | 25 MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 12/30 - Twelve Per Month | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00615 | Nitrogen, nitrite total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 0.06 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00620 | Nitrogen, nitrate total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 4.4 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00625 | Nitrogen, Kjeldahl, total [as N] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 5.1 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00665 | Phosphorus, total [as P] | 1 - Effluent Gross | 0 | – | Sample | | | | | | | | | | = | 7.8 | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | CP - COMPOS |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01002 | Arsenic, total [as As] | S - See Comments | 0 | – | Sample | | | | | | | | | | = | 2 | 69 - mg/kg | | 01/60 - Once Every 2 Months | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | | Opt Mon INST MAX | 69 - mg/kg | | 01/60 - Once Every 2 Months | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01012 | Beryllium, total [as Be] | S - See Comments | 0 | – | Sample | | | | | | | | | | < | 0.44 | 69 - mg/kg | | 01/60 - Once Every 2 Months | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | | Opt Mon INST MAX | 69 - mg/kg | | 01/60 - Once Every 2 Months | GR - GRAB |

Sent electronically 2-10-14 JS

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 01027 Cadmium, total [as Cd] | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | = | 0.21 | = | 0.24 | 01 - kg/d | | | | | | | | |
| 01042 Copper, total [as Cu] | 1 - Effluent Gross | 0 | – | Permit Req. | <= | 1.4 MO AVG | <= | 2.58 DAILY MX | 01 - kg/d | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 01077 Silver, total [as Ag] | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | = | 1.76 | = | 2.14 | 01 - kg/d | | | | | | | | |
| 01092 Zinc, total [as Zn] | 1 - Effluent Gross | 0 | – | Permit Req. | <= | 4.85 MO AVG | <= | 11.11 DAILY MX | 01 - kg/d | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | = | 5.5 | | | 03 - MGD | | | | | | | | |
| 50050 Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | – | Permit Req. | <= | 10.3 MO AVG | | | 03 - MGD | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 70507 Phosphorous, in total orthophosphate | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78467 Zinc, dry weight | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78468 Lead, dry weight | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78469 Nickel, dry weight | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78471 Mercury, dry weight | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78473 Chromium, dry weight | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78475 Copper, sludge, tot, dry weight [as Cu] | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 78476 Cadmium, sludge, tot dry weight [as Cd] | S - See Comments | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 80126 BOD, carbonaceous, 5 day, 5 C | 1 - Effluent Gross | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| 80126 BOD, carbonaceous, 5 day, 5 C | C - Raw Sewage Influent | 0 | – | Permit Req. | | | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | = | 97 | | | | | | | | | | | |
| 81011 Solids, suspended percent removal | K - Percent Removal | 0 | – | Permit Req. | >= | 85 MN % RMV | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | = | 97 | | | | | | | | | | | |
| 81383 Carbonaceous oxygen demand, % removal | K - Percent Removal | 0 | – | Permit Req. | >= | 85 MN % RMV | | | | | | | | | | | |
| | | | | Value NODI | | | | | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| TGA3D Pass/Fail Static 48Hr Acute D. Pulex | T - See Comments | 0 | – | Permit Req. | | | = | 0 | | | | | | | | | |
| | | | | Value NODI | | | | Req Mon AVERAGE | | | | | | | | | |
| | | | | Sample | | | | | | | | | | | | | |
| TGA6C Pass/Fail Static 48Hr Acute Pimephales | T - See Comments | 0 | – | Permit Req. | | | = | 0 | | | | | | | | | |
| | | | | Value NODI | | | | Req Mon AVERAGE | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 0859 on February 6, 2014

Connecticut Department of Energy and Environmental Protection
Bureau of Water Management
Aquatic Toxicity Monitoring
79 Elm Street
Hartford, CT 06106-5127

February 6, 2014

**Re: Aquatic Toxicity Monitoring Report, 1st Quarter 2014**

To Whom It May Concern:

Enclosed please find the Naugatuck first quarter Aquatic Toxicity Monitoring Report for 2014.

Please contact me if you have any questions regarding the enclosed report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski
Plant Manager

7009 2820 0004 1018 0859

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Sent To: CT DEEP
Street, Apt. No.; or PO Box No.: Bureau of Water Management, Aquatic Toxicity Monitoring, 79 Elm Street
City, State, ZIP+4: Hartford, CT 06106-5127

PS Form 3800, August 2006 See Reverse for Instructions

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck
(enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

# NEW ENGLAND BIOASSAY
## ATMR COVER SHEET

CLIENT: Phoenix Environmental Laboratories
ADDRESS: 587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
CONTACT: Ms. Bobbi Aloisa
SAMPLE: Naugatuck WPCF

*D.pulex* TEST ID #: 14-71A
*P.promelas* TEST ID #: 14-71B
COC #: C34-1127
PROJECT #: 05.0044745.0(

**LABORATORY CONTROL WATER**

| | | |
|---|---|---|
| NEB Lot #: | A34-S001 | SRCF |
| Hardness: | 46 | mg/L as $CaCO_3$ |
| Alkalinity: | 30 | mg/L as $CaCO_3$ |

**SAMPLE COLLECTION INFORMATION**

| | FROM | TO |
|---|---|---|
| DATE: | 1/13/2014 | 1/14/2014 |
| TIME: | 1:55 Am | 2:04 Am |

**INITIAL CHEMISTRY DATA** — TECHNICIAN INITIALS: CW

| | | | | | |
|---|---|---|---|---|---|
| Color | Very Light Yellow | Temp. (C) | 4.9 | Hardness (mg/L) | 98 |
| Cond. (umhos/cm) | 755 | D.O.(mg/L) | 9.7 | Alkalinity (mg/L) | 25 |
| Salinity (ppt) | < 1 | pH (su) | 6.6 | TRC (mg/L) | < 0.02 |

**INVERTEBRATE**

Test Set Up Technician Initials: KO
Test Type: Screen
Test Species: *Daphnia pulex*
Source: New England Bioassay
NEB Lot#: Dp14(1-15)
Age: < 24 Hours
Test Solution Volume: 30 ml
# Organisms/Test Chamber: 10
# Organisms/Concentration: 50
# Organisms/Control: 30
START DATE: 1/15/2014 AT 1034
END DATE: 1/17/2014 AT 0955

**VERTEBRATE**

Test Set Up Technician Initials: KO
Test Type: Screen
Test Species: *Pimephales promelas*
Source: New England Bioassay
NEB Lot#: Pp14(1-1) 1340
Age: 14 Days
Test Solution Volume: 700 ml
# Organisms/Test Chamber: 10
# Organisms/Concentration: 50
# Organisms/Control: 30
START DATE: 1/15/2014 AT 1049
END DATE: 1/17/2014 AT 1005

**TEST SET UP CONDUCTIVITIES**

*D.p* Control 177 umhos/cm
100% 758 umhos/cm
*P.p* Control 177 umhos/cm
100% 758 umhos/cm

| Technician Initials: | | | | | | | |
|---|---|---|---|---|---|---|---|
| | *D.pulex* | 0 Hour: | KO | 24 Hour: | MV | 48 Hour: | CW |
| | *P.promelas* | 0 Hour: | KO | 24 Hour: | MV | 48 Hour: | CW |

**RESULTS OF *Daphnia pulex* Screening Test**

Control: 100 % 100% 100 %
Replicate A: 100 %
Replicate B: 100 %
Replicate C: 100 %

**RESULTS OF *Pimephales promelas* Screening Test**

Control: 100 % 100% 100 %
Replicate A: 100 %
Replicate B: 100 %
Replicate C: 100 %

COMMENTS:

REVIEWED BY: [signature] DATE: 1/30/14

**STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**Bureau of Water Management: Aquatic Toxicity Monitoring Report – Part 1**

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Receiving Water: Naugatuck River Waterbody ID: 6900

Sample Collection Date(s): 1/13/14 TO 1/14/14

Sample Collection Time: FROM: 1:55 AM (AM/PM) TO: 2:04 AM (AM/PM)

## TOXICITY TEST SUMMARY (PASS/FAIL)

### CONTROL SAMPLE RESULTS (% SURVIVAL)

| TEST SPECIES | REPLICATE 1 | REPLICATE 2 | REPLICATE 3 |
|---|---|---|---|
| *Daphnia pulex* | 100% | 100% | 100% |
| *Pimephales promelas* | 100% | 100% | 100% |

If less than 90% survival is recorded for one or more replicate controls, the test is invalid and an additional effluent sample must be collected and the test procedure repeated. The results for all samples must be submitted to the DEP.

### EFFLUENT SAMPLE RESULTS (MEAN % SURVIVAL)

| TEST SPECIES | 100% Effluent |
|---|---|
| *Daphnia pulex* | 100% |
| *Pimephales promelas* | 100% |

For Official Use Only

If the mean percent survival for either or both species is less than 90%, the effluent is determined toxic and an additional effluent sample must be collected and the test procedure repeated. The results for all samples must be submitted to the DEP.

**STATEMENT OF ACKNOWLEDGEMENT**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitted false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Official: John Batorski Title: Plant Manager

Signature: John Batorski Date: 2-6-14

# AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Dilution Water: Soft Reconstituted Fresh Water (SRCF) Hardness: 50 ± 5 mg/L

Sample Collected On: 1/14/14 (date) Received On: 1/15/14 (date)

Test Species: *Daphnia pulex* Source: New England Bioassay Age: < 24 h

Test Duration: 48 hours Beginning: 1034 (am/pm) On: 1/15/14 (date)

Ending: 0955 (am/pm) On: 1/17/14 (date)

| Effluent Dilution | Number of Organisms Surviving | | | Dissolved Oxygen (mg/L) | | | Temperature (°C) | | | PH (SU) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tech | KO | MV | CW | KO | MV | CW | KO | MV | CW | KO | MV | CW |
| (%) Hour | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 |
| 100% A | 10 | 10 | 10 | 9.7 | 7.7 | 8.2 | 20 | 20 | 19 | 6.7 | 7.0 | 7.2 |
| 100% B | 10 | 10 | 10 | | | 8.2 | | | 20 | | | 7.2 |
| 100% C | 10 | 10 | 10 | | | 8.3 | | | 20 | | | 7.2 |
| 100% D | 10 | 10 | 10 | | | 8.3 | | | 20 | | | 7.2 |
| 100% E | 10 | 10 | 10 | | | 8.3 | | | 20 | | | 7.2 |
| CONTROL 1 | 10 | 10 | 10 | 8.4 | 7.9 | 8.3 | 20 | 20 | 19 | 7.6 | 7.3 | 7.4 |
| CONTROL 2 | 10 | 10 | 10 | | | 8.4 | | | 20 | | | 7.4 |
| CONTROL 3 | 10 | 10 | 10 | | | 8.3 | | | 20 | | | 7.5 |
| MEAN SAMPLE SURVIVAL (%) | | | | | | | CONTROL SURVIVAL (%) | | | #1 | #2 | #3 |
| [ (A+B+C+D+E) /5 ] X 10 = 100% | | | | | | | | | | 100% | 100% | 100% |

## REFERENCE TOXICANT RESULTS

| SPECIES | DATE | REFERENCE TOXICANT | SOURCE | $LC_{50}$ |
|---|---|---|---|---|
| *Daphnia pulex* | 1/2/14 | Copper Nitrate Lot # 14-0102-001 | ACROS/NEB | 1.713 µg/L |

## *COMMENTS*

Note: At test initiation (0 h) and 24 h, dissolved oxygen, temperature, and pH were measured in separate chemistry replicates (without daphnids); at test completion (or when complete mortality occurred within a replicate) dissolved oxygen, temperature, and pH were measured directly from replicates with the test organisms.

## *STATEMENT OF ACKNOWLEDGEMENT*

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the testing protocol described in EPA 600/4-90/027F and Sections 22a-430-3 and 22a-430-4 of the Regulations of Connecticut State Agencies except as noted above. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Laboratory Official: Kimberly Wills Title: Laboratory Manager

New England Bioassay

Signature: Date: 1/30/14

# AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: Borough of Naugatuck WPCF
NPDES ID: CT0100641 DSN-001-1
Dilution Water: Soft Reconstituted Fresh Water (SRCF)
Hardness: 50 ± 5 mg/L

Sample Collected On: 1/14/14 (date)
Received On: 1/15/14 (date)

Test Species: *Pimephales promelas*
Source: New England Bioassay
Age: 14 days
Test Duration: 48 hours.
Beginning: 1049 (am/pm) On: 1/15/14 (date)
Ending: 1005 (am/pm) On: 1/17/14 (date)

| Effluent Dilution (%) | Number of Organisms Surviving | | | Dissolved Oxygen (mg/L) | | | Temperature (°C) | | | pH (SU) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tech | KO | MV | CW | KO | MV | CW | KO | MV | CW | KO | MV | CW |
| Hour | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 | 00 | 24 | 48 |
| 100% A | 10 | 10 | 10 | 9.7 | 7.7 | 7.7 | 20 | 20 | 20 | 6.7 | 6.8 | 7.0 |
| 100% B | 10 | 10 | 10 | | 7.6 | 7.4 | | 20 | 20 | | 6.8 | 6.9 |
| 100% C | 10 | 10 | 10 | | 7.6 | 7.5 | | 20 | 20 | | 6.8 | 6.9 |
| 100% D | 10 | 10 | 10 | | 7.6 | 7.6 | | 20 | 20 | | 6.8 | 6.9 |
| 100% E | 10 | 10 | 10 | | 7.7 | 7.6 | | 20 | 20 | | 6.8 | 6.9 |
| CONTROL 1 | 10 | 10 | 10 | 8.4 | 7.3 | 7.6 | 20 | 21 | 20 | 7.6 | 7.7 | 7.4 |
| CONTROL 2 | 10 | 10 | 10 | | 7.4 | 7.7 | | 21 | 20 | | 7.7 | 7.4 |
| CONTROL 3 | 10 | 10 | 10 | | 7.4 | 7.8 | | 21 | 20 | | 7.7 | 7.3 |
| MEAN SAMPLE SURVIVAL (%) | | | | | | | CONTROL SURVIVAL (%) | | | #1 | #2 | #3 |
| [ (A+B+C+D+B) /5 ] X 10 = 100% | | | | | | | | | | 100% | 100% | 100% |

## REFERENCE TOXICANT RESULTS

| SPECIES | DATE | REFERENCE TOXICANT | SOURCE | $LC_{50}$ |
|---|---|---|---|---|
| *Pimephales promelas* | 1/2/14 | Copper Nitrate Lot # 14-0102-001 | ACROS/NEB | 117.65µg/L |

## COMMENTS

## STATEMENT OF ACKNOWLEDGEMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the testing protocol described in EPA 600/4-90/027F and Sections 22a-430-3 and 22a-430-4 of the Regulations of Connecticut State Agencies except as noted above. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Laboratory Official: Kimberly Wills
New England Bioassay
Title: Laboratory Manager

Signature: [signature]
Date: 1/30/14

# SUPPLEMENTAL CHEMISTRY (PART 2S)

Facility Name: Borough of Naugatuck WPCF NPDES ID: CT0100641 DSN-001-1

Receiving Water: Naugatuck River Waterbody ID: 6900

Sample Collection Date(s): FROM: 1/13/14 TO: 1/14/14

Sample Collection Time(s): FROM: 1:55 am (AM/PM) TO: 2:04 am (AM/PM)

## Effluent Sample at Arrival

| Parameter | | Effluent Sample |
|---|---|---|
| | Tech Initials | CW |
| | Date & Time | 1/15/14 0810 |
| Temperature (°C) | | 4.9 |
| pH (standard units) | | 6.6 |
| Alkalinity (mg/L) | | 25 |
| Conductivity (µS) | | 755 |
| Hardness(mg/L)/Salinity(ppt) | | 98 / < 1 |
| Color: | | Very Light Yellow |
| TRC (mg/L) | | < 0.02 |

## 100% Test Sample

| Parameter | *Daphnia pulex* | | *Pimephales promelas* | |
|---|---|---|---|---|
| Hours | Initial (00) | Final (48) | Initial (00) | Final (48) |
| Tech Initials | CW | PD | CW | PD |
| Conductivity (µS) | 758 | 763 | 758 | 765 |
| Alkalinity (mg/L) | 25 | 25 | 25 | 25 |
| Hardness(mg/L) / Salinity(ppt) | 98 / < 1 | 106 / < 1 | 98 / < 1 | 102 / < 1 |
| TRC (mg/L) | < 0.02 | < 0.02 | < 0.02 | < 0.02 |

## 0% Test Sample (Control)

| Parameter | *Daphnia pulex* | | *Pimephales promelas* | |
|---|---|---|---|---|
| Hours | Initial (00) | Final (48) | Initial (00) | Final (48) |
| Tech Initials | KO | PD | KO | PD |
| Conductivity (µS) | 177 | 178 | 177 | 179 |
| Alkalinity (mg/L) | 30 | 35 | 30 | 30 |
| Hardness(mg/L) / Salinity(ppt) | 46 / < 1 | 46 / < 1 | 46 / < 1 | 46 / < 1 |
| TRC (mg/L) | < 0.02 | < 0.02 | < 0.02 | < 0.02 |

Laboratory Official: Kim Wills Title: Lab Manager

Signature: Date: 1/30/14

# Aquatic Toxicity Monitoring Report - PART 3

| FREQUENCY | MONLOC | UNITS | PARAMETER | MINIMUM LEVEL | RESULT |
|---|---|---|---|---|---|
| Each Test | 001 T | mg/L | CHROMIUM, Total | | <0.001 |
| Each Test | 001 T | mg/L | COPPER, Total | 0.005 mg/L | 0.011 |
| Each Test | 001 T | mg/L | LEAD, Total | 0.005 mg/L | <0.001 |
| Each Test | 001 T | mg/L | THALLIUM, Total | 0.005 mg/L | <0.002 |
| Each Test | 001 T | mg/L | NICKEL, Total | | 0.007 |
| Each Test | 001 T | mg/L | SILVER, Total | 0.002 mg/L | <0.001 |
| Each Test | 001 T | mg/L | ZINC, Total | 0.020 mg/L | 0.080 |
| Each Test | 001 T | mg/L | ANTIMONY, Total | | <0.005 |
| Each Test | 001 T | mg/L | SELENIUM, Total | 0.005 mg/L | 0.003 |
| Each Test | 001 T | mg/L | PHENOLS | | <0.015 |
| Each Test | 001 T | mg/L | MERCURY, Total | 0.0002 mg/L | <0.0002 |

Testing Laboratory: Phoenix Environmental Signature: [signature] Date: 2-3-2014

**FOR OFFICIAL USE ONLY:**

AQUATIC TOXICITY: *Daphnia pulex* TGA3D

AQUATIC TOXICITY: *Pimephales promelas* TGA6C

98559



# STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Bureau of Water Management: Aquatic Toxicity Monitoring Report - PART 3

| | | | | | |
|---|---|---|---|---|---|
| NPDES Permit: | CT0100641 | Exp: | 8/7/06 | Phone[1]: | (203) 723-1433 |
| Facility: | Naugatuck WPCF | Contact: | ~~James McGrath~~ John Batorski | Phone[2]: | |
| Address: | 500 Cherry Street | Town: | Naugatuck | Zip: | 06770 |

### STATEMENT OF ACKNOWLEDGEMENT

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Authorized Official: John Batorski

Title: Plant Manager

Signature: John Batorski

Date: 2-6-14

Sample Date: 1-13-14

Sample Day's Flow: 6.10

JAN APR JUL OCT (Circle one)

REPEAT MONTH:

| FREQUENCY | MONLOC | UNITS | PARAMETER | MINIMUM LEVEL | RESULT |
|---|---|---|---|---|---|
| Each Test | 001 T | mg/L | BOD, 5 DAY | | <4.0 |
| Each Test | 001 T | mg/L | SUSPENDED SOLIDS, TOTAL | | <5.0 |
| Each Test | 001 T | mg/L | AMMONIA, Total | | 0.34 |
| Each Test | 001 T | mg/L | NITRITE, as N | | 0.03 |
| Each Test | 001 T | mg/L | NITRATE, as N | | 3.99 |
| Each Test | 001 T | mg/L | CYANIDE, Total | | <0.01 |
| Each Test | 001 T | mg/L | CYANIDE, Amenable | | <0.01 |
| Each Test | 001 T | mg/L | BERYLLIUM, Total | 0.001 mg/L | <0.001 |
| Each Test | 001 T | mg/L | ARSENIC, Total | 0.005 mg/L | <0.004 |
| Each Test | 001 T | mg/L | CADMIUM, Total | 0.0005 mg/L | <0.0002 |
| Each Test | 001 T | mg/L | CHROMIUM, Hexavalent | | <0.01 |

Cooler: Yes ☐ No ☐
Coolant: IPK ☐ ICE ☐ No ☐
Temp °C Pg of

# PHOENIX Environmental Laboratories, Inc.

## CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

**Contact Options:**
☐ Fax
☐ Phone:
☒ Email:

Customer: NEB
Address: Manchester

Project:
Report to: Bobbi A
Invoice to:

Project P.O.:

**This section MUST be completed with Bottle Quantities.**

**Client Sample - Information - Identification**

Sampler's Signature _____ Date: _____

**Matrix Code:**
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request: Arsenic, Boron

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | Arsenic | Boron | Total Bottles | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil containers [ ] | GL Soil container [ ] | 40 ml VOA Vial [ ] | GL Amber 1000ml [ ] As is [ ] HCl | PL As is [ ] H2SO4 | PL H2SO4 [ ] 125ml [ ] 500ml | PL HNO3 [ ] 250ml [ ] 500ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BF 99559 (Yvette Desgarnet) | WW | 1-14-14 | — | X | C34-1127 | 1 | | | | | | | | | | |
| | BF 98712 (West Haven WWPC) | WW | 1-14-14 | 8:00 | X | C34-1128 | 1 | | | | | | | | | | |
| | BF 98547 (City of Groton) | WW | 1-14-14 | 9:00 | X | C34-1129 | 1 | | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 1-16-14 | 0630 |
| [signature] | [signature] | 1-15-14 | 08:10 |

Comments, Special Requirements or Regulations:

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other
*SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**Data Format**
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

State where samples were collected: _____

*SURCHARGE APPLIES

VEOLIA
WATER

Sent Certified R.R.R. mail #7009 2820 0004 1018 0521 on January 13, 2014

EPA New England, Region 1,
5 Post Office Square - Suite 100
Boston, MA 02109-3912

January 13, 2014

**Re: 503 Regulation Annual Reports for 2013**

Dear Ms. Murphy:

Enclosed please find the 2013 annual report for the Borough of Naugatuck, CT. Enclosed is the following:

Table 3-2, Summary of Results from the September 2013 stack test.
THC Emission Rate Calculation
Beryllium Emission Rate Calculation
Naugatuck Metals 503 Reports
Mercury Emission Rate Calculation
Incinerator Annual Averages
Incinerator Annual Operating Data

Please contact me if you have any questions regarding the enclosed report.

Sincerely,
Veolia Water North America – Northeast, LLC

John Batorski

John Batorski
Plant Manager

cc: James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck,
(Enclosure)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

Table 3-2
Summary of Total Hydrocarbons & Multiple-Metals Emissions Testing
Veolia Water North America LLC
September 17, 2013

| Test Run No. | | Incinerator Out Metals-1 | Incinerator Out Metals -2 | Incinerator Out Metals 3 | Average | Allowable Limit |
|---|---|---|---|---|---|---|
| Date | | 09/17/13 | 09/17/13 | 09/17/13 | | |
| Time | Start | 7:45 | 10:15 | 12:45 | | |
| | Stop | 9:51 | 12:20 | 14:49 | | |
| **Sample Conditions** | | | | | | |
| Volume | (dscf) | 94.51 | 98.71 | 100.00 | 97.739 | |
| | (dscm) | 2.676 | 2.795 | 2.832 | 2.768 | |
| Isokinetics | (%) | 98.4 | 101.2 | 98.3 | 99.3 | |
| Sludge Feedrate | (dry Ton/hr) | 3.71 | 3.45 | 3.62 | 3.59 | |
| **Stack Conditions** | | | | | | |
| Flow Rate | (dscfm) | 14,792 | 15,315 | 15,658 | 15,255 | |
| Flow Rate | (acfm) | 21,134 | 21,558 | 22,478 | 21,723 | 17387 |
| Temperature | (°F) | 247.4 | 241.8 | 240.9 | 243.4 | |
| Moisture | (%) | 7.7 | 7.4 | 9.2 | 8.1 | |
| Oxygen | (%) | 6.82 | 6.67 | 6.71 | 6.7 | |
| Carbon Dioxide | (%) | 12.0 | 12.1 | 12.1 | 12.1 | |
| Carbon Monoxide | (ppm) | 4.8 | 5.7 | 5.2 | 5.2 | |
| Non-Methane Hydrocarbons | (ppm) | 1.4 | 1.5 | 1.6 | 1.5 | |
| **Trace Metals** | | | | | | |
| Arsenic (As) Catch | (mg) | 0.001 | 0.001 | 0.001 | 0.001 | |
| As Concentration | (ug/dscm) | 0.22 | 0.21 | 0.21 | 0.22 | |
| As Concentration | (ug/acm) | 0.16 | 0.15 | 0.15 | 0.15 | 80 |
| As Emission Rate | (lb/hr) | 0.00001 | 0.00001 | 0.00001 | 0.00001 | |
| Beryllium (Be) Catch | (mg) | 0.000 | 0.000 | 0.000 | 0.000 | |
| Be Concentration | (ug/dscm) | 0.06 | 0.05 | 0.05 | 0.05 | |
| Be Concentration | (ug/acm) | 0.04 | 0.04 | 0.04 | 0.04 | 16 |
| Be Emission Rate | (lb/hr) | 0.00000 | 0.00000 | 0.00000 | 0.00000 | |
| Cadmium (Cd) Catch | (mg) | 0.005 | 0.000 | 0.000 | 0.002 | |
| Cd Concentration | (ug/dscm) | 1.88 | 0.05 | 0.14 | 0.69 | |
| Cd Concentration | (ug/acm) | 1.32 | 0.04 | 0.10 | 0.49 | 642 |
| Cd Emission Rate | (lb/hr) | 0.00010 | 0.00000 | 0.00001 | 0.00004 | |

| Trace Metals | | | | | | |
|---|---|---|---|---|---|---|
| Chromium (Cr) Catch | (mg) | 0.006 | 0.010 | 0.007 | 0.0077 | |
| Cr Concentration | (ug/dscm) | 1.33 | 2.75 | 1.50 | 1.86 | |
| Cr Concentration | (ug/acm) | 0.93 | 1.96 | 1.05 | 1.31 | 4015 |
| Cr Emission Rate | (lb/hr) | 0.00007 | 0.00016 | 0.00009 | 0.00011 | |
| | | | | | | |
| Copper (Cu) Catch | (mg) | 0.007 | 0.009 | 0.005 | 0.0068 | |
| Cu Concentration | (ug/dscm) | 0.39 | 3.46 | 0.09 | 1.31 | |
| Cu Concentration | (ug/acm) | 0.27 | 2.47 | 0.06 | 0.93 | 32118 |
| Cu Emission Rate | (lb/hr) | 0.00011 | 0.00014 | 0.00007 | 0.00011 | |
| | | | | | | |
| Lead (Pb) Catch | (mg) | 0.005 | 0.007 | 0.005 | 0.005 | |
| Pb Concentration | (ug/dscm) | 1.46 | 2.11 | 1.41 | 1.66 | |
| Pb Concentration | (ug/acm) | 1.03 | 1.51 | 0.99 | 1.18 | 4818 |
| Pb Emission Rate | (lb/hr) | 0.00008 | 0.00012 | 0.00008 | 0.0001 | |
| | | | | | | |
| Manganese (Mn) Catch | (mg) | 0.054 | 0.012 | 0.027 | 0.031 | |
| Mn Concentration | (ug/dscm) | 19.13 | 3.40 | 8.61 | 10.38 | |
| Mn Concentration | (ug/acm) | 13.42 | 2.42 | 6.02 | 7.29 | 32118 |
| Mn Emission Rate | (lb/hr) | 0.00106 | 0.00019 | 0.00050 | 0.00059 | |
| | | | | | | |
| Mercury (Hg) Catch | (mg) | 0.236 | 0.259 | 0.205 | 0.233 | |
| Hg Concentration | (ug/dscm) | 88.15 | 92.74 | 72.15 | 84.35 | |
| Hg Concentration | (ug/acm) | 61.84 | 66.05 | 50.41 | 59.43 | 1606 |
| Hg Emission Rate | (lb/hr) | 0.00488 | 0.0053 | 0.00423 | 0.0048 | |
| | | | | | | |
| Nickel (Ni) Catch | (mg) | 0.010 | 0.022 | 0.010 | 0.014 | |
| Ni Concentration | (ug/dscm) | 2.99 | 7.12 | 2.75 | 4.29 | |
| Ni Concentration | (ug/acm) | 2.10 | 5.07 | 1.92 | 3.03 | 8030 |
| Ni Emission Rate | (lb/hr) | 0.00017 | 0.00041 | 0.00016 | 0.00024 | |
| | | | | | | |
| Selenium (Se) Catch | (mg) | 0.018 | 0.018 | 0.031 | 0.022 | |
| Se Concentration | (ug/dscm) | 6.28 | 6.08 | 10.49 | 7.62 | |
| Se Concentration | (ug/acm) | 4.40 | 4.33 | 7.33 | 5.35 | 6424 |
| Se Emission Rate | (lb/hr) | 0.00035 | 0.00035 | 0.00061 | 0.00044 | |
| | | | | | | |
| Zinc (Zn) Catch | (mg) | 0.050 | 0.077 | 0.067 | 0.065 | |
| Zn Concentration | (ug/dscm) | 16.67 | 25.62 | 21.75 | 21.35 | |
| Zn Concentration | (ug/acm) | 11.69 | 18.24 | 15.20 | 15.04 | 160592 |
| Zn Emission Rate | (lb/hr) | 0.00092 | 0.00147 | 0.00127 | 0.00122 | |

# EMISSION RATE CALCULATION SHEET
## TOTAL HYDROCARBON EMISSIONS

| | | | |
|---|---|---|---|
| PLANT | : Veolia Naugatuck | RUN : | Outlet 1 |
| LOCATION | : Fluidized Bed Incin. | DATE : | 9/17/13 |

| | | | |
|---|---|---|---|
| START TIME : | 9:44 | END TIME : | 10:04 |

| | | |
|---|---|---|
| AVERAGE CONCENTRATION | 1.43 | PPM |
| AVERAGE FLOW RATE | 16026 | WSCFM |
| MOLECULAR WEIGHT (PROPANE) | 44.09 | g/mole |

**Sludge Feedrate (dry ton/hr)** 3.24

| | | | |
|---|---|---|---|
| mg/m3 = | ( MW * PPM) / ( 24.055 l/mol. PPM) | = | 2.62 mg/m3 |
| mg/SCF = | (mg/m3) (m3/35.31 SCF) | = | 0.07 mg/SCF |
| lb/SCF = | (1 lb/ 4.536E+5 mg) * (mg/SCF) | = | 1.64E-07 lb/SCF |
| lb/hr = | MW * Q (wetscfm) * 15.58e-8 * C (ppm) | = | 0.157 lb/hr |
| lb/Dry Ton Sludge - lb/hr THC / DTS/hr | | = | 0.049 lb/DTS |

**THC Emissions (lb/hour) = MW * Q (wetscfm) * 15.58e-8 * C (ppm)**
where 15.58e-8 = ((1 mole of air @NTP/385.1 ft^3) * 60 min/hr)/1e+6 ppm
and MW for propane = 44 grams/gram-mole

# EMISSION RATE CALCULATION SHEET
## TOTAL HYDROCARBON EMISSIONS

| | |
|---|---|
| PLANT : Veolia Naugatuck | RUN : Outlet 2 |
| LOCATION : Fluidized Bed Incin. | DATE : 9/17/13 |

| | | | |
|---|---|---|---|
| START TIME : | 10:35 | END TIME : | 10:55 |

| | | |
|---|---|---|
| AVERAGE CONCENTRATION | 1.52 | PPM |
| AVERAGE FLOW RATE | 16539 | WSCFM |
| MOLECULAR WEIGHT (PROPANE) | 44.09 | g/mole |

**Sludge Feedrate (dry ton/hr)** 3.19

| | | | |
|---|---|---|---|
| mg/m3 = | ( MW * PPM) / ( 24.055 l/mol. PPM) | = | 2.79 mg/m3 |
| mg/SCF = | (mg/m3) (m3/35.31 SCF) | = | 0.08 mg/SCF |
| lb/SCF = | (1 lb/ 4.536E+5 mg) * (mg/SCF) | = | 1.74E-07 lb/SCF |
| lb/hr = | (lb/SCF * WSCFM * 60 min/hr) | = | 0.173 lb/hr |
| lb/Dry Ton Sludge - lb/hr THC / DTS/hr | | = | 0.054 lb/DTS |

# EMISSION RATE CALCULATION SHEET
## TOTAL HYDROCARBON EMISSIONS

| | | | |
|---|---|---|---|
| PLANT | : Veolia Naugatuck | RUN : | Outlet 3 |
| LOCATION | : Fluidized Bed Incin. | DATE : | 9/17/13 |

| | | | |
|---|---|---|---|
| START TIME : | 11:04 | END TIME : | 11:24 |

| | | |
|---|---|---|
| AVERAGE CONCENTRATION | **1.6** | PPM |
| AVERAGE FLOW RATE | 17244 | WSCFM |
| MOLECULAR WEIGHT (PROPANE) | 44.09 | g/mole |

**Sludge Feedrate (dry ton/hr)** **3.19**

| | | | |
|---|---|---|---|
| mg/m3 = ( MW * PPM) / ( 24.055 l/mol. PPM) | = | **2.93** | mg/m3 |
| mg/SCF = (mg/m3) (m3/35.31 SCF) | = | **0.08** | mg/SCF |
| lb/SCF = (1 lb/ 4.536E+5 mg) * (mg/SCF) | = | **1.83E-07** | lb/SCF |
| lb/hr = (lb/SCF * WSCFM * 60 min/hr) | = | **0.189** | lb/hr |
| lb/Dry Ton Sludge - lb/hr THC / DTS/hr | = | **0.059** | lb/DTS |

# Naugatuck POTW, Naugatuck, CT

## Sludge Metals 503 Report

YEAR: 2013

| | Lead | Arsenic | Cadmium | Chromium | Nickel |
|---|---|---|---|---|---|
| January | 51.6 | 3.50 | 1.85 | 45.80 | 35.4 |
| February | 44.9 | 2.60 | 1.63 | 30.10 | 20.6 |
| March | 45.3 | 2.30 | 1.47 | 35.70 | 24.3 |
| April | 44.7 | 3.00 | 1.85 | 61.10 | 31.8 |
| May | 43.8 | 2.50 | 1.87 | 65.50 | 30.2 |
| June | 43.3 | 2.50 | 1.61 | 46.40 | 19.0 |
| July | 65.9 | 4.20 | 2.75 | 55.90 | 27.3 |
| August | 51.4 | 5.00 | 1.67 | 41.60 | 17.6 |
| September | 59.5 | 3.00 | 1.94 | 39.70 | 24.1 |
| October | 49.6 | 3.60 | 2.24 | 40.90 | 23.7 |
| November | 51.5 | 4.40 | 1.69 | 32.00 | 21.1 |
| December | 40.3 | 1.10 | 1.50 | 36.40 | 20.2 |

Note: All values in mg/kg

| Title V Permit Application MASC Calculations | | | | |
|---|---|---|---|---|
| 8 hr HLV | 1 | ug/m3 | | |
| Stack Flow | 17,387 | ft3/min | 8.2 | m3/s |
| H | 150 | ft | 45.7 | m |
| Dist to prop. | 206 | ft | 62.8 | m |
| Xmax | 936.5 | ft | 285.5 | m |
| | MASC at 1 ug/m3 HLV | | 2005 | ug/m3 |
| | 8-hr HLV ug/m3 | | MASC ug/m3 | |
| As | 0.05 | | 100 | |
| Be | 0.01 | | 20 | |
| Cd | 0.4 | | 802 | |
| Cr | 2.5 | | 5,013 | |
| Cu | 20 | | 40,100 | |
| Pb | 3 | | 6,015 | |
| Mn | 20 | | 40,100 | |
| Hg (a) | 1 | | 2,005 | |
| Hg (b) | 2 | | 4,010 | |
| Ni | 5 | | 10,025 | |
| Se | 4 | | 8,020 | |
| Zn | 100 | | 200,501 | |

Hg (a): Mercury vapor
Hg (b): aryl and inorganic compounds

| September 2013 Veolia Naugatuck Stack Flows | | | | | |
|---|---|---|---|---|---|
| | TV Permit | Run 1 | Run 2 | Run 3 | Average |
| acfm | 17387 | 21134 | 21558 | 22478 | 21723 |
| acmm | 492.4 | 598.5 | 610.5 | 636.6 | 615 |
| Vo=acm/s | 8.2 | 10.0 | 10.2 | 10.6 | 10.3 |

| Run 1 MASC Calculations | | | | |
|---|---|---|---|---|
| HLV = | 1 | ug/m3 | | |
| Stack Flow | 21,134 | ft3/min | 10.0 | m3/s |
| H | 150 | ft | 45.7 | m |
| Dist to prop. | 206 | ft | 62.8 | m |
| Xmax | 936.5 | ft | 285.5 | m |
| | MASC at 1 ug/m3 HLV | | 1650 | Average |
| | 8-hr HLV ug/m3 | | MASC ug/m3 | Stack Conc ug/acm |
| As | 0.05 | | 82 | 0.16 |
| Be | 0.01 | | 16 | 0.04 |
| Cd | 0.4 | | 660 | 1.32 |
| Cr | 2.5 | | 4,124 | 0.93 |
| Cu | 20 | | 32,992 | 0.27 |
| Pb | 3 | | 4,949 | 1.03 |
| Mn | 20 | | 32,992 | 13.42 |
| Hg (a) | 1 | | 1,650 | 61.84 |
| Hg (b) | 2 | | 3,299 | 61.84 |
| Ni | 5 | | 8,248 | 2.10 |
| Se | 4 | | 6,598 | 4.40 |
| Zn | 100 | | 164,960 | 11.69 |

Hg (a): Mercury vapor
Hg (b): aryl and inorganic compounds

| Run 2 MASC Calculations | | | | |
|---|---|---|---|---|
| HLV = | 1 | ug/m3 | | |
| Stack Flow | 21,558 | ft3/min | 10.2 | m3/s |
| H | 150 | ft | 45.7 | m |
| Dist to prop. | 206 | ft | 62.8 | m |
| Xmax | 936.5 | ft | 285.5 | m |
| | MASC at 1 ug/m3 HLV | | 1617 | Average |
| | 8-hr HLV ug/m3 | | MASC ug/m3 | Stack Conc ug/acm |
| As | 0.05 | | 81 | 0.15 |
| Be | 0.01 | | 16 | 0.04 |
| Cd | 0.4 | | 647 | 0.04 |
| Cr | 2.5 | | 4,043 | 1.96 |
| Cu | 20 | | 32,343 | 2.47 |
| Pb | 3 | | 4,851 | 1.51 |
| Mn | 20 | | 32,343 | 2.42 |
| Hg (a) | 1 | | 1,617 | 66.05 |
| Hg (b) | 2 | | 3,234 | 66.05 |
| Ni | 5 | | 8,086 | 5.07 |
| Se | 4 | | 6,469 | 4.33 |
| Zn | 100 | | 161,716 | 18.24 |

Hg (a): Mercury vapor
Hg (b): aryl and inorganic compounds

| Run 3 MASC Calculations | | | | |
|---|---|---|---|---|
| HLV = | 1 | ug/m3 | | |
| Stack Flow | 22,478 | ft3/min | 10.6 | m3/s |
| H | 150 | ft | 45.7 | m |
| Dist to prop. | 206 | ft | 62.8 | m |
| Xmax | 936.5 | ft | 285.5 | m |
| | MASC at 1 ug/m3 HLV | | 1551 | Average |
| | 8-hr HLV ug/m3 | | MASC ug/m3 | Stack Conc ug/acm |
| As | 0.05 | | 78 | 0.15 |
| Be | 0.01 | | 16 | 0.04 |
| Cd | 0.4 | | 620 | 0.10 |
| Cr | 2.5 | | 3,877 | 1.05 |
| Cu | 20 | | 31,020 | 0.06 |
| Pb | 3 | | 4,653 | 0.99 |
| Mn | 20 | | 31,020 | 6.02 |
| Hg (a) | 1 | | 1,551 | 50.41 |
| Hg (b) | 2 | | 3,102 | 50.41 |
| Ni | 5 | | 7,755 | 1.92 |
| Se | 4 | | 6,204 | 7.33 |
| Zn | 100 | | 155,099 | 15.20 |

Hg (a): Mercury vapor
Hg (b): aryl and inorganic compounds

| AVG. MASC Calculations | | | | |
|---|---|---|---|---|
| HLV = | | | | |
| Stack Flow | 21,723 | ft3/min | 10.3 | m3/s |
| H | 150 | ft | 45.7 | m |
| Dist to prop. | 206 | ft | 62.8 | m |
| Xmax | 936.5 | ft | 285.5 | m |
| | MASC at 1 ug/m3 HLV | | 1606 | Average |
| | 8-hr HLV ug/m3 | | Avg. MASC ug/m3 | Stack Conc ug/acm |
| As | 0.05 | | 80 | 0.15 |
| Be | 0.01 | | 16 | 0.04 |
| Cd | 0.4 | | 642 | 0.49 |
| Cr | 2.5 | | 4015 | 1.31 |
| Cu | 20 | | 32118 | 0.93 |
| Pb | 3 | | 4818 | 1.18 |
| Mn | 20 | | 32118 | 7.29 |
| Hg (a) | 1 | | 1606 | 59.43 |
| Hg (b) | 2 | | 3212 | 59.43 |
| Ni | 5 | | 8030 | 3.03 |
| Se | 4 | | 6424 | 5.35 |
| Zn | 100 | | 160592 | 15.04 |

Hg (a): Mercury vapor
Hg (b): aryl and inorganic compounds

MONTHLY EMISSION AVERAGES

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO.: 1234
DATE CREATED: 01/03/2014 @ 09:45
PERIOD: 01/01/2013 - 12/31/2013

MONTHLY SUMMARY REPORT

| DATE MM/YY | SOURCE ON (hrs) | NORTH SLUDGE PV (%) | SOUTH SLUDGE PV (%) | SCRUBBER DP ("wc) | VENTURI DP ("wc) | SCRUBBER WATER (gpm) | VENTURI WATER (gpm) | 4TH TRAY WATER (gpm) | CO (ppmvd) | O2-D (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 01/13 | 701.78 | 59.1 | 30.8 | 14.4 | 25.0 | 599.0 | 306.7 | 250.1 | 26.3 | 6.6 |
| 02/13 | 643.33 | 23.9 | 61.9 | 13.2 | 24.8 | 593.7 | 308.2 | 250.8 | 33.9 | 7.2 |
| 03/13 | 707.98 | 46.2 | 47.9 | 12.1 | 23.6 | 593.2 | 295.0 | 245.8 | 23.4 | 8.0 |
| 04/13 | 703.30 | 31.7 | 57.8 | 15.3 | 22.5 | 591.7 | 291.6 | 246.9 | 29.9 | 6.5 |
| 05/13 | 725.50 | 16.0 | 63.7 | 13.8 | 24.7 | 606.9 | 301.8 | 273.0 | 19.2 | 6.8 |
| 06/13 | 678.30 | 13.7 | 60.7 | 12.9 | 22.5 | 597.0 | 300.7 | 294.6 | 21.8 | 7.5 |
| 07/13 | 735.68 | 19.6 | 54.4 | 14.8 | 20.7 | 606.9 | 293.3 | 323.7 | 11.7 | 7.4 |
| 08/13 | 673.97 | 18.6 | 52.7 | 15.1 | 19.8 | 607.4 | 293.8 | 292.7 | 7.6 | 8.4 |
| 09/13 | 646.17 | 35.7 | 42.6 | 14.7 | 24.2 | 612.4 | 289.7 | 308.7 | 9.3 | 8.1 |
| 10/13 | 715.33 | 36.6 | 45.2 | 13.7 | 24.5 | 575.1 | 338.2 | 331.6 | 18.1 | 7.4 |
| 11/13 | 688.22 | 59.5 | 19.1 | 13.4 | 24.6 | 564.0 | 332.7 | 456.5 | 22.7 | 6.9 |
| 12/13 | 697.63 | 36.8 | 42.8 | 15.4 | 22.1 | 588.1 | 315.3 | 344.2 | 26.0 | 8.3 |
| AVG | | 33.1 | 48.3 | 14.1 | 23.2 | 594.6 | 305.6 | 301.6 | 20.8 | 7.4 |
| TOTAL | 8317.20 | | | | | | | | | |

12 month results for January 01, 2013 - December 31, 2013

P40

MONTHLY SEMI-ANNUAL DATA



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO.: 1234
DATE CREATED: 01/03/2014 @ 09:29
PERIOD: 01/01/2013 - 12/31/2013

MONTHLY SUMMARY REPORT

| DATE MM/YY | SOURCE ON (hrs) | TOTAL SLUDGE FEED (%) | OVERALL DP ("wc) | BED TEMP (F) | FREE BOARD TEMP (F) | O2 (%) | CO @7% (ppmvd) | OPACITY (%) | WESP KV #1 (kV) | WESP KV #2 (kV) | OIL FLOW (GPH) | OIL FLOW (GALS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01/13 | 701.78 | 89.8 | 38.0 | 1451.4 | 1670.4 | 6.6 | 24.7 | 5.21 | 24.97* | 0.00 | 6.9 | 4885.2 |
| 02/13 | 643.33 | 85.8 | 40.7 | 1428.3 | 1666.7 | 7.2 | 32.7 | 0.72 | 46.00 | 0.00 | 21.9 | 14053.9 |
| 03/13 | 707.98 | 94.1 | 38.3 | 1448.9 | 1646.8 | 8.0 | 23.9 | 2.01 | 44.49 | 0.00 | 6.8 | 4489.2 |
| 04/13 | 703.30 | 89.5 | 39.5 | 1457.9 | 1687.7 | 6.5 | 29.2 | 2.62 | 79.28 | 0.00 | 5.7 | 3937.7 |
| 05/13 | 725.50 | 79.7 | 41.2 | 1485.9 | 1695.3 | 6.8 | 18.3 | 2.15 | 68.23 | 0.00 | 1.0 | 642.2 |
| 06/13 | 678.30 | 74.4 | 37.8 | 1458.5 | 1650.5 | 7.5 | 25.6 | 2.15 | 43.00 | 0.00 | 0.8 | 553.1 |
| 07/13 | 735.68 | 74.0 | 37.7 | 1437.1 | 1626.4 | 7.4 | 11.5 | 0.75 | 55.24 | 0.00 | 8.2 | 6075.8 |
| 08/13 | 673.97 | 71.2 | 37.1 | 1456.3 | 1616.5 | 8.4 | 11.1 | 0.50 | 53.76 | 0.00 | 6.6 | 4046.0 |
| 09/13 | 646.17 | 78.3 | 41.6 | 1471.1 | 1615.4 | 8.1 | 10.9 | 0.13 | 40.26 | 0.00 | 3.4 | 2163.1 |
| 10/13 | 715.33 | 81.8 | 41.0 | 1445.4 | 1627.0 | 7.4 | 24.0 | 0.10 | 40.24 | 0.00 | 7.7 | 5381.2 |
| 11/13 | 688.22 | 78.6 | 40.8 | 1447.1 | 1707.5 | 6.9 | 28.1 | 0.13 | 52.83 | 0.00 | 5.4 | 3566.5 |
| 12/13 | 697.63 | 79.6 | 39.8 | 1432.6 | 1668.2 | 8.3 | 32.4 | 0.13 | 48.96 | 0.00 | 16.8 | 11423.7 |
| AVG | | 81.4 | 39.5 | 1451.7 | 1656.5 | 7.4 | 22.7 | 1.38 | 49.77 | 0.02 | 7.6 | 5101.5 |
| TOTAL | 8317.20 | | | | | | | | | | | 61217.6 |

12 month results for January 01, 2013 - December 31, 2013

* Signal cable issue with card to PLC. Unit was replaced. Actual values were > 40KV. JB 1-14-14

VEOLIA
WATER

Send via Certified Mail #7009 2820 0004 1018 0842 on Jan 21, 2014

January 21, 2014

Connecticut Department of Environmental Protection
Compliance and Field Operations Division
Bureau of Air Management
79 Elm Street
Hartford, CT 06106-5127

Subject: Continuous Emission Monitoring Semi Annual Report for the July 1, 2013 to Dec 31, 2013, Naugatuck, CT. POTW

Dear Sir/Madam:

Enclosed please find the above reference report attached. Please contact me if you have any questions regarding the reports.

Sincerely,

John Batorski

John Batorski
Plant Manager
Veolia Water North America

cc:
James R. Stewart PE, LS, Director of Public Works, Borough of Naugatuck

Enclosures: Continuous Emission Monitoring Semi Annual Report for the Naugatuck, CT. POTW

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Air Management
Compliance Analysis & Coordination Unit
79 Elm Street
Hartford, Connecticut 06106-5127

| |
|---|
| Client #: |
| Sequence #: |
| Town #: |
| Premises #: |
| CADIS Tracking #: |

CEM Forms Package, 08/19/96

# CONTINUOUS EMISSION MONITORING SEMI-ANNUAL REPORT

## GENERAL INFORMATION

| | |
|---|---|
| Company name | Borough of Naugatuck |
| Facility name | Borough of Naugatuck POTW |
| Facility address | 229 Church Street, Naugatuck, CT 06770 |
| Contact person | Mr. John Batorski john.batorski@veoliawater.com |
| Contact phone number | (203) 723-1433 |
| Reporting period dates | July 1, 2013 – December 31, 2013 ✓ |
| Report submittal date | January 21, 2014 |
| Were there any excess emissions this quarter? | No |
| Were there any CEM monitor system failures this period? | YES |

## EQUIPMENT INFORMATION

| | |
|---|---|
| Applicable permit numbers | CT DEP Permit # 209-0059-TV |
| Applicable federal regulations | 40 CFR Part 503, Subpart E |
| Type of fuel(s) combusted | No. 2 Fuel Oil |
| Brief description of equipment and pollution control devices | The Zimpro fluidized bed incinerator has a sludge design feed rate of 3.5 DT/hr. Sludge is fed to the bottom of the sand bed where air is injected at high pressure under the bed, fluidizing the sand and the sludge. |

## SEMI-ANNUAL REPORT CERTIFICATION

I have personally examined and am familiar with the information submitted in this document and all attachments and certify (based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information) that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement(s) made in this document or its attachments may be punishable as a criminal offense.

Today's date: Jan 21, 2014
Signature (Company Officer): John Batorski
Print (or type) name and title: John Batorski Plant Manager

Michael Unterweger, CK Environmental, Preparer

CONNECTICUT DEP - Bureau of Air Management

CEM Forms Package, 08/19/96

# CONTINUOUS EMISSION MONITORING PERFORMANCE REPORT

| | |
|---|---|
| Company name | Borough of Naugatuck |
| Reporting period | 07/01/2013 -- 12/30/2013 |
| Unit number | EMU 52 |
| Unit operating time | 4157 Hours |

## MONITOR INFORMATION

| | |
|---|---|
| Pollutant / Constituent | CO @ 7% O2 |
| Sampling location | Stack |
| Manufacturer / Model number | Thermo Environmental Model 48C |
| Instrument range(s) | 0-300 ppm |
| Date of last audit | December 13, 2013 |
| Audit type (e.g., CGA, RATA, RAA) | CGA |
| Audit results (pass / fail) | Pass |

## CMS DOWNTIME

| REASONS | TIME (hours, or minutes for opacity) |
|---|---|
| Monitoring equipment malfunctions | 0 |
| Non-monitoring equipment malfunctions | 0 |
| Calibrations | 0 |
| Other known causes [1] | 0 |
| Unknown causes | 67.60 hours |
| TOTAL CMS DOWNTIME | 67.60 hours |

## QUARTERLY DATA AVAILABILITY RESULTS

| | |
|---|---|
| Quarterly Data Availability (% of operating hours)(see below) | 98.37% ✓ |

$$\text{Data Availability} = \frac{\text{Unit Operating Time - Total CMS Downtime}}{\text{Unit Operating Time}} \times 100$$

*Where:*

*Unit Operating Hours = Total number of hours that the unit (or process) was operated at <u>any</u> level.*

*Total CMS Downtime = Total time during periods of operation (Unit Operating Time) in which <u>invalid</u> CEM data or <u>no</u> CEM data is collected due to any reason and results in the invalidation of a data block period.*

---

[1] *- includes all Quality Assurance activities other than calibration (i.e., preventative maintenance, audits which result in periods of invalid data, etc.) and "out-of-control" periods.*

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## CONTINUOUS EMISSION MONITORING PERFORMANCE REPORT

| | |
|---|---|
| Company name | Borough of Naugatuck |
| Reporting period | 07/01/2013 – 12/31/2013 |
| Unit number | EMU 52 |
| Unit operating time | 4157 hours |

## MONITOR INFORMATION

| | |
|---|---|
| Pollutant / Constituent | Opacity |
| Sampling location | Stack |
| Manufacturer / Model number | Land / 4500 Mark II |
| Instrument range(s) | 0-300 ppm |
| Date of last audit | December 13, 2013 |
| Audit type (e.g., CGA, RATA, RAA) | Opacity |
| Audit results (pass / fail) | Pass |

## CMS DOWNTIME

| REASONS | TIME (hours, or minutes for opacity) |
|---|---|
| Monitoring equipment malfunctions | 0 |
| Non-monitoring equipment malfunctions | 0 |
| Calibrations | 0 |
| Other known causes [1] | 0 |
| Unknown causes | 35.03 hours |
| TOTAL CMS DOWNTIME | 35.03 hours |

## QUARTERLY DATA AVAILABILITY RESULTS

| | |
|---|---|
| Quarterly Data Availability (% of operating hours)(see below) | 99.16% |

$$\text{Data Availability} = \frac{\text{Unit Operating Time - Total CMS Downtime}}{\text{Unit Operating Time}} \times 100$$

*Where:*

*Unit Operating Hours = Total number of hours that the unit (or process) was operated at <u>any</u> level.*

*Total CMS Downtime = Total time during periods of operation (Unit Operating Time) in which <u>invalid</u> CEM data or <u>no</u> CEM data is collected due to any reason and results in the invalidation of a data block period.*

---

[1] *- includes all Quality Assurance activities other than calibration (i.e., preventative maintenance, audits which result in periods of invalid data, etc.) and "out-of-control" periods.*

CONNECTICUT DEP - Bureau of Air Management

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## SEMI-ANNUAL EXCESS EMISSION REPORT

| | |
|---|---|
| Company Name | Borough of Naugatuck |
| Reporting period | 07/01/2013 – 12/31/2013 |
| Unit number | EMU 52 |
| Unit operating time | 4157 hours |

## POLLUTANT / EMISSION LIMITS

| | | |
|---|---|---|
| Pollutant / constituent monitored | CO @ 7% O2 | |
| | **Permit** | **Federal** |
| Emission limit(s) | 1.4 lbs/DT | |
| Averaging period(s): (indicate length of ave. period and whether period is a rolling or block ave.) | | |

## CONVERSION FACTORS (if applicable)

| | |
|---|---|
| Diluent used for correction ($O_2$ / $CO_2$) | Oxygen |
| CEM measurement basis (wet / dry) | Dry |
| Fuel factor(s) / types ($F_d$ / $F_c$ / $F_w$) | |
| Conversion equation(s) | CO @ 7% O2 = ((20.9-7)/(20.9-OXYGEN))*CO ppm |

## EXCESS EMISSIONS DATA SUMMARY

| Reason for excess emissions | Duration (in minutes for opacity, in hours for other pollutants) | |
|---|---|---|
| | List exceedances of DEP permit or Regulations | List violations of Federal standards |
| Start-up / shut down | 0 (gas) + 0 (oil) | |
| Control equipment malfunction | 0 (gas) + 0 (oil) | |
| Process malfunction | 0 (gas) + 0 (oil) | |
| Other known causes | 0 (gas) + 0 (oil) | |
| Unknown causes | 0 (gas) + 0 (oil) | |
| Total duration of excess emissions (hours or minutes) | 0 (gas) + 0 (oil) | |
| Total duration (as % of total unit operating time) | | |

CONNECTICUT DEP - Bureau of Air Management

CEM Forms Package, 08/19/96

# NOTIFICATION OF EXCEEDANCE

| | |
|---|---|
| Source Name | Borough of Naugatuck |
| Date of Exceedence | No Exceedences |
| Pollutant / Constituent | |
| Unit No. | EMU 52 |

## EXCEEDANCE DATA

| Time of exceedance | Averaging period | Exceedance magnitude | Permit limit (with units) | Other applicable data |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## EXPLANATION OF EXCURSION(S)

| Cause of excursions | Corrective action(s) | Preventative measure(s) |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |

## REPORT CERTIFICATION

| | |
|---|---|
| DEP Contact Name | |
| Today's Date | |
| Signature (Company Officer) | |
| Title | |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:35
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 07/01/13 | 20.75 | 91.2% | 22.75 | 94.8% | 24.00 | 100.0% |
| 07/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/04/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/05/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/06/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/07/13 | 23.33 | 100.0% | 23.33 | 97.2% | 24.00 | 100.0% |
| 07/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/09/13 | 18.85 | 100.0% | 18.85 | 78.5% | 24.00 | 100.0% |
| 07/10/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/12/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/13/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/14/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/19/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/20/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/26/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/27/13 | 23.50 | 100.0% | 23.50 | 97.9% | 24.00 | 100.0% |
| 07/28/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/29/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 07/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/31/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/01/13 | 21.00 | 92.8% | 22.63 | 94.3% | 22.15 | 92.3% |
| 08/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/04/13 | 20.00 | 100.0% | 20.00 | 83.3% | 24.00 | 100.0% |
| 08/05/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/06/13 | 14.25 | 100.0% | 14.25 | 59.4% | 24.00 | 100.0% |
| 08/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/08/13 | 22.50 | 95.7% | 23.50 | 97.9% | 24.00 | 100.0% |
| 08/09/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/10/13 | 18.00 | 100.0% | 18.00 | 75.0% | 24.00 | 100.0% |
| 08/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/12/13 | 15.75 | 100.0% | 15.75 | 65.6% | 24.00 | 100.0% |
| 08/13/13 | 19.50 | 100.0% | 19.50 | 81.3% | 24.00 | 100.0% |
| 08/14/13 | 21.87 | 100.0% | 21.87 | 91.1% | 24.00 | 100.0% |
| 08/15/13 | 17.13 | 100.0% | 17.13 | 71.4% | 24.00 | 100.0% |
| 08/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/17/13 | 22.75 | 100.0% | 22.75 | 94.8% | 24.00 | 100.0% |
| 08/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/19/13 | 13.75 | 100.0% | 13.75 | 57.3% | 24.00 | 100.0% |
| 08/20/13 | 22.00 | 100.0% | 22.00 | 91.7% | 24.00 | 100.0% |
| 08/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT

COMPANY NAME: VECLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:35
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) | VALID HOURS % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 08/22/13 | 23.00 | 100.0% | 23.00 | 95.8% | 24.00 | 100.0% |
| 08/23/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/24/13 | 18.25 | 100.0% | 18.25 | 76.0% | 24.00 | 100.0% |
| 08/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/28/13 | 23.47 | 100.0% | 23.47 | 97.8% | 24.00 | 100.0% |
| 08/29/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/30/13 | 18.72 | 100.0% | 18.72 | 78.0% | 24.00 | 100.0% |
| 08/31/13 | 23.40 | 100.0% | 23.40 | 97.5% | 24.00 | 100.0% |
| 09/01/13 | 23.67 | 100.0% | 23.67 | 98.6% | 24.00 | 100.0% |
| 09/02/13 | 3.83 | 100.0% | 3.83 | 16.0% | 24.00 | 100.0% |
| 09/03/13 | 12.40 | 100.0% | 12.40 | 51.7% | 24.00 | 100.0% |
| 09/04/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/05/13 | 11.93 | 100.0% | 11.93 | 49.7% | 24.00 | 100.0% |
| 09/06/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 09/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/09/13 | 8.67 | 81.3% | 10.67 | 44.4% | 24.00 | 100.0% |
| 09/10/13 | 23.65 | 100.0% | 23.65 | 98.5% | 24.00 | 100.0% |
| 09/11/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 09/12/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/13/13 | 20.75 | 100.0% | 20.75 | 86.5% | 24.00 | 100.0% |
| 09/14/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/16/13 | 13.97 | 100.0% | 13.97 | 58.2% | 24.00 | 100.0% |
| 09/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/19/13 | 23.20 | 100.0% | 23.20 | 96.7% | 24.00 | 100.0% |
| 09/20/13 | 21.80 | 91.6% | 23.80 | 99.2% | 24.00 | 100.0% |
| 09/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/22/13 | 23.87 | 100.0% | 23.87 | 99.4% | 24.00 | 100.0% |
| 09/23/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 09/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/28/13 | 23.68 | 100.0% | 23.68 | 98.7% | 24.00 | 100.0% |
| 09/29/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/03/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/04/13 | 17.73 | 78.1% | 22.70 | 94.6% | 24.00 | 100.0% |
| 10/05/13 | 20.25 | 100.0% | 20.25 | 84.4% | 24.00 | 100.0% |
| 10/06/13 | 21.25 | 100.0% | 21.25 | 88.5% | 24.00 | 100.0% |
| 10/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/08/13 | 22.00 | 100.0% | 22.00 | 91.7% | 24.00 | 100.0% |
| 10/09/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/10/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 10/11/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/12/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:35
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 10/13/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/14/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/17/13 | 22.52 | 95.7% | 23.52 | 98.0% | 24.00 | 100.0% |
| 10/18/13 | 20.30 | 95.3% | 21.30 | 88.8% | 24.00 | 100.0% |
| 10/19/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/20/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 23.95 | 99.8% |
| 10/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/28/13 | 15.60 | 100.0% | 15.60 | 65.0% | 24.00 | 100.0% |
| 10/29/13 | 18.00 | 100.0% | 18.00 | 75.0% | 24.00 | 100.0% |
| 10/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/31/13 | 23.47 | 100.0% | 23.47 | 97.8% | 24.00 | 100.0% |
| 11/01/13 | 21.00 | 87.5% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/02/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/03/13 | 22.98 | 92.0% | 24.98 | 104.1% | 24.00 | 100.0% |
| 11/04/13 | 21.60 | 91.5% | 23.60 | 98.3% | 24.00 | 100.0% |
| 11/05/13 | 14.42 | 100.0% | 14.42 | 60.1% | 24.00 | 100.0% |
| 11/06/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/08/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/09/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/10/13 | 18.00 | 75.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/11/13 | 20.40 | 100.0% | 20.40 | 85.0% | 24.00 | 100.0% |
| 11/12/13 | 13.25 | 100.0% | 13.25 | 55.2% | 24.00 | 100.0% |
| 11/13/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/14/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 11/15/13 | 21.00 | 87.5% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/18/13 | 23.88 | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 11/19/13 | 17.13 | 100.0% | 17.13 | 71.4% | 24.00 | 100.0% |
| 11/20/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/27/13 | 23.73 | 100.0% | 23.73 | 98.9% | 24.00 | 100.0% |
| 11/28/13 | 22.07 | 95.7% | 23.07 | 96.1% | 24.00 | 100.0% |
| 11/29/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/02/13 | 18.53 | 100.0% | 18.53 | 77.2% | 24.00 | 100.0% |
| 12/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:36
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) | VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|---|
| 12/04/13 | 22.93 | | 100.0% | 22.93 | 95.6% | 24.00 | 100.0% |
| 12/05/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/06/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/07/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/08/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/09/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/10/13 | 21.27 | | 91.4% | 23.27 | 96.9% | 24.00 | 100.0% |
| 12/11/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/12/13 | 23.20 | | 100.0% | 23.20 | 96.7% | 24.00 | 100.0% |
| 12/13/13 | 18.00 | | 75.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/14/13 | 18.20 | | 100.0% | 18.20 | 75.8% | 24.00 | 100.0% |
| 12/15/13 | 7.23 | | 100.0% | 7.23 | 30.1% | 24.00 | 100.0% |
| 12/16/13 | 22.25 | | 100.0% | 22.25 | 92.7% | 24.00 | 100.0% |
| 12/17/13 | 23.75 | | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/18/13 | 23.00 | | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/19/13 | 21.75 | | 100.0% | 21.75 | 90.6% | 24.00 | 100.0% |
| 12/20/13 | 20.75 | | 87.4% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/21/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/22/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/23/13 | 21.00 | | 87.5% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/24/13 | 22.00 | | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/25/13 | 20.50 | | 100.0% | 20.50 | 85.4% | 24.00 | 100.0% |
| 12/26/13 | 23.87 | | 100.0% | 23.87 | 99.4% | 24.00 | 100.0% |
| 12/27/13 | 23.88 | | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 12/28/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/29/13 | 23.00 | | 100.0% | 23.00 | 95.8% | 24.00 | 100.0% |
| 12/30/13 | 17.52 | | 100.0% | 17.52 | 73.0% | 24.00 | 100.0% |
| 12/31/13 | 24.00 | | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:36
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| TOTAL: | 4089.40 | 98.4% | 4157.00 | 94.1% | 4414.10 | 100.0% |

67.60

$$\frac{4157.00 - 67.60}{4157.00} \times 100 = 98.37\%$$

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 13:38
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | OPACITY (%) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 07/01/13 | 22.75 | 100.0% | 22.75 | 94.8% | 24.00 | 100.0% |
| 07/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/04/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/05/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/06/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/07/13 | 23.33 | 100.0% | 23.33 | 97.2% | 24.00 | 100.0% |
| 07/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/09/13 | 18.85 | 100.0% | 18.85 | 78.5% | 24.00 | 100.0% |
| 07/10/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/12/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/13/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/14/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/19/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/20/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/27/13 | 23.50 | 100.0% | 23.50 | 97.9% | 24.00 | 100.0% |
| 07/28/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/29/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 07/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 07/31/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/01/13 | 22.63 | 100.0% | 22.63 | 94.3% | 22.15 | 92.3% |
| 08/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/04/13 | 20.00 | 100.0% | 20.00 | 83.3% | 24.00 | 100.0% |
| 08/05/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/06/13 | 14.25 | 100.0% | 14.25 | 59.4% | 24.00 | 100.0% |
| 08/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/08/13 | 22.50 | 95.7% | 23.50 | 97.9% | 24.00 | 100.0% |
| 08/09/13 | 18.00 | 75.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/10/13 | 18.00 | 100.0% | 18.00 | 75.0% | 24.00 | 100.0% |
| 08/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/12/13 | 15.75 | 100.0% | 15.75 | 65.6% | 24.00 | 100.0% |
| 08/13/13 | 19.50 | 100.0% | 19.50 | 81.3% | 24.00 | 100.0% |
| 08/14/13 | 6.00 | 27.4% | 21.87 | 91.1% | 24.00 | 100.0% |
| 08/15/13 | 14.13 | 82.5% | 17.13 | 71.4% | 24.00 | 100.0% |
| 08/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/17/13 | 22.75 | 100.0% | 22.75 | 94.8% | 24.00 | 100.0% |
| 08/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/19/13 | 13.75 | 100.0% | 13.75 | 57.3% | 24.00 | 100.0% |
| 08/20/13 | 22.00 | 100.0% | 22.00 | 91.7% | 24.00 | 100.0% |
| 08/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 13:38
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | OPACITY (%) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 08/22/13 | 23.00 | 100.0% | 23.00 | 95.8% | 24.00 | 100.0% |
| 08/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/24/13 | 18.25 | 100.0% | 18.25 | 76.0% | 24.00 | 100.0% |
| 08/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/28/13 | 23.47 | 100.0% | 23.47 | 97.8% | 24.00 | 100.0% |
| 08/29/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 08/30/13 | 18.72 | 100.0% | 18.72 | 78.0% | 24.00 | 100.0% |
| 08/31/13 | 23.40 | 100.0% | 23.40 | 97.5% | 24.00 | 100.0% |
| 09/01/13 | 23.67 | 100.0% | 23.67 | 98.6% | 24.00 | 100.0% |
| 09/02/13 | 3.83 | 100.0% | 3.83 | 16.0% | 24.00 | 100.0% |
| 09/03/13 | 12.40 | 100.0% | 12.40 | 51.7% | 24.00 | 100.0% |
| 09/04/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/05/13 | 11.77 | 98.6% | 11.93 | 49.7% | 24.00 | 100.0% |
| 09/06/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 09/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/09/13 | 9.67 | 90.6% | 10.67 | 44.4% | 24.00 | 100.0% |
| 09/10/13 | 23.65 | 100.0% | 23.65 | 98.5% | 24.00 | 100.0% |
| 09/11/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 09/12/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/13/13 | 20.75 | 100.0% | 20.75 | 86.5% | 24.00 | 100.0% |
| 09/14/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/16/13 | 11.97 | 85.7% | 13.97 | 58.2% | 24.00 | 100.0% |
| 09/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/19/13 | 23.20 | 100.0% | 23.20 | 96.7% | 24.00 | 100.0% |
| 09/20/13 | 23.80 | 100.0% | 23.80 | 99.2% | 24.00 | 100.0% |
| 09/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/22/13 | 23.87 | 100.0% | 23.87 | 99.4% | 24.00 | 100.0% |
| 09/23/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 09/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/28/13 | 23.68 | 100.0% | 23.68 | 98.7% | 24.00 | 100.0% |
| 09/29/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 09/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/04/13 | 21.70 | 95.6% | 22.70 | 94.6% | 24.00 | 100.0% |
| 10/05/13 | 20.25 | 100.0% | 20.25 | 84.4% | 24.00 | 100.0% |
| 10/06/13 | 21.25 | 100.0% | 21.25 | 88.5% | 24.00 | 100.0% |
| 10/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/08/13 | 22.00 | 100.0% | 22.00 | 91.7% | 24.00 | 100.0% |
| 10/09/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/10/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 10/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/12/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 13:38
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | OPACITY (%) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 10/13/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/14/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/17/13 | 23.52 | 100.0% | 23.52 | 98.0% | 24.00 | 100.0% |
| 10/18/13 | 21.30 | 100.0% | 21.30 | 88.8% | 24.00 | 100.0% |
| 10/19/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/20/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 23.95 | 99.8% |
| 10/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/28/13 | 15.60 | 100.0% | 15.60 | 65.0% | 24.00 | 100.0% |
| 10/29/13 | 18.00 | 100.0% | 18.00 | 75.0% | 24.00 | 100.0% |
| 10/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/31/13 | 23.47 | 100.0% | 23.47 | 97.8% | 24.00 | 100.0% |
| 11/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/03/13 | 24.98 | 100.0% | 24.98 | 104.1% | 24.00 | 100.0% |
| 11/04/13 | 23.60 | 100.0% | 23.60 | 98.3% | 24.00 | 100.0% |
| 11/05/13 | 14.42 | 100.0% | 14.42 | 60.1% | 24.00 | 100.0% |
| 11/06/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/09/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/10/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/11/13 | 20.40 | 100.0% | 20.40 | 85.0% | 24.00 | 100.0% |
| 11/12/13 | 13.25 | 100.0% | 13.25 | 55.2% | 24.00 | 100.0% |
| 11/13/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/14/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 11/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/18/13 | 23.88 | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 11/19/13 | 17.13 | 100.0% | 17.13 | 71.4% | 24.00 | 100.0% |
| 11/20/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/27/13 | 23.73 | 100.0% | 23.73 | 98.9% | 24.00 | 100.0% |
| 11/28/13 | 23.07 | 100.0% | 23.07 | 96.1% | 24.00 | 100.0% |
| 11/29/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/30/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/02/13 | 18.53 | 100.0% | 18.53 | 77.2% | 24.00 | 100.0% |
| 12/03/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 13:38
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | OPACITY (%) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 12/04/13 | 22.93 | 100.0% | 22.93 | 95.6% | 24.00 | 100.0% |
| 12/05/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/06/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/08/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/09/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/10/13 | 23.27 | 100.0% | 23.27 | 96.9% | 24.00 | 100.0% |
| 12/11/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/12/13 | 23.20 | 100.0% | 23.20 | 96.7% | 24.00 | 100.0% |
| 12/13/13 | 21.00 | 87.5% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/14/13 | 18.20 | 100.0% | 18.20 | 75.8% | 24.00 | 100.0% |
| 12/15/13 | 7.23 | 100.0% | 7.23 | 30.1% | 24.00 | 100.0% |
| 12/16/13 | 22.25 | 100.0% | 22.25 | 92.7% | 24.00 | 100.0% |
| 12/17/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/18/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/19/13 | 21.75 | 100.0% | 21.75 | 90.6% | 24.00 | 100.0% |
| 12/20/13 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/25/13 | 20.50 | 100.0% | 20.50 | 85.4% | 24.00 | 100.0% |
| 12/26/13 | 23.87 | 100.0% | 23.87 | 99.4% | 24.00 | 100.0% |
| 12/27/13 | 23.88 | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 12/28/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/29/13 | 23.00 | 100.0% | 23.00 | 95.8% | 24.00 | 100.0% |
| 12/30/13 | 17.52 | 100.0% | 17.52 | 73.0% | 24.00 | 100.0% |
| 12/31/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 13:39
PERIOD: 07/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | OPACITY (%) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| TOTAL: | 4121.97 | 99.2% | 4157.00 | 94.1% | 4414.10 | 100.0% |

35.03

$$\frac{4157 - 35.03}{4157} \times 100 = 99.16\%$$

INVALID DATA INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:34
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 07/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/01/13 | 08:07 | 09:21 | 0075 | 13 | PROCESS DOWN | N/A |
| 07/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/05/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/07/13 | 16:19 | 16:38 | 0020 | 13 | PROCESS DOWN | N/A |
| 07/07/13 | 17:43 | 18:02 | 0020 | 13 | PROCESS DOWN | N/A |
| 07/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/09/13 | 07:43 | 12:51 | 0309 | 13 | PROCESS DOWN | N/A |
| 07/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/12/13 | 06:57 | 08:18 | 0082 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 07/12/13 | 08:19 | 08:26 | 0008 | 14 | RECALIBRATION | N/A |
| 07/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 7/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 7/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/27/13 | 07:22 | 07:36 | 0015 | 13 | PROCESS DOWN | N/A |
| 07/27/13 | 08:07 | 08:21 | 0015 | 13 | PROCESS DOWN | N/A |
| 07/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/29/13 | 12:52 | 13:36 | 0045 | 13 | PROCESS DOWN | N/A |
| 07/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 07/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/01/13 | 06:07 | 06:35 | 0029 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 08/01/13 | 07:07 | 08:25 | 0079 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 08/01/13 | 14:00 | 14:05 | 0006 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 08/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/04/13 | 01:52 | 02:36 | 0045 | 13 | PROCESS DOWN | N/A |
| 08/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/04/13 | 07:37 | 10:51 | 0195 | 13 | PROCESS DOWN | N/A |
| 08/05/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/06/13 | 06:22 | 16:06 | 0585 | 13 | PROCESS DOWN | N/A |
| 08/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/08/13 | 05:58 | 07:01 | 0064 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/08/13 | 07:02 | 07:05 | 0004 | 14 | RECALIBRATION | N/A |
| 08/08/13 | 10:52 | 11:06 | 0015 | 13 | PROCESS DOWN | N/A |
| 08/08/13 | 17:07 | 17:21 | 0015 | 13 | PROCESS DOWN | N/A |
| 08/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 05:58 | 06:10 | 0013 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/09/13 | 06:11 | 06:13 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 06:14 | 06:28 | 0015 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/09/13 | 06:29 | 06:31 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 06:32 | 06:36 | 0005 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/09/13 | 06:37 | 06:39 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 06:40 | 06:43 | 0004 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/09/13 | 06:44 | 08:32 | 0109 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 08/09/13 | 08:33 | 08:35 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 08:36 | 08:38 | 0003 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/09/13 | 08:39 | 08:41 | 0003 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 08:42 | 09:50 | 0069 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 8/09/13 | 09:51 | 09:54 | 0004 | 14 | RECALIBRATION | N/A |
| 08/09/13 | 09:55 | 12:01 | 0127 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |

INVALID DATA INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:34
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 08/09/13 | 12:02 | 12:04 | 0003 | 14 | RECALIBRATION | N/A |
| 08/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/10/13 | 11:22 | 16:51 | 0330 | 13 | PROCESS DOWN | N/A |
| 08/10/13 | 18:07 | 18:36 | 0030 | 13 | PROCESS DOWN | N/A |
| 08/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/12/13 | 08:52 | 17:06 | 0495 | 13 | PROCESS DOWN | N/A |
| 08/13/13 | 04:37 | 09:06 | 0270 | 13 | PROCESS DOWN | N/A |
| 08/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 05:58 | 06:47 | 0050 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 06:48 | 06:50 | 0003 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 06:51 | 08:43 | 0113 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 08:44 | 08:47 | 0004 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 08:48 | 09:10 | 0023 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 09:11 | 09:13 | 0003 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 09:14 | 11:11 | 0118 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 11:12 | 11:14 | 0003 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 08/14/13 | 11:15 | 13:37 | 0143 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 13:38 | 13:41 | 0004 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 13:42 | 14:10 | 0029 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 14:11 | 14:13 | 0003 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 14:14 | 18:48 | 0275 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 18:49 | 18:51 | 0003 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 18:52 | 19:23 | 0032 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 19:24 | 19:27 | 0004 | 14 | RECALIBRATION | N/A |
| 08/14/13 | 19:28 | 21:51 | 0144 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/14/13 | 21:52 | 23:59 | 0128 | 13 | PROCESS DOWN | N/A |
| 08/15/13 | 00:00 | 06:44 | 0405 | 13 | PROCESS DOWN | N/A |
| 08/15/13 | 06:45 | 07:02 | 0018 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 08/15/13 | 07:03 | 07:28 | 0026 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 07:29 | 07:29 | 0001 | 16 | PRIMARY MONITOR MALFUNCTION | CORRECTIVE MAINTENANCE PERFORMED ON |
| 08/15/13 | 07:30 | 07:35 | 0006 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 07:36 | 07:36 | 0001 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 08/15/13 | 07:37 | 07:38 | 0002 | 14 | RECALIBRATION | N/A |
| 08/15/13 | 07:39 | 07:52 | 0014 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 07:53 | 07:55 | 0003 | 14 | RECALIBRATION | N/A |
| 08/15/13 | 07:56 | 08:32 | 0037 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 08:33 | 08:35 | 0003 | 14 | RECALIBRATION | N/A |
| 08/15/13 | 08:36 | 08:46 | 0011 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 08:47 | 08:49 | 0003 | 14 | RECALIBRATION | N/A |
| 08/15/13 | 08:50 | 09:12 | 0023 | 11 | EXCESS DRIFT PRIMARY MONITOR | MANUALLY RECALIBRATE PRIMARY MONITO |
| 08/15/13 | 09:13 | 09:16 | 0004 | 14 | RECALIBRATION | N/A |
| 08/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/17/13 | 10:07 | 11:21 | 0075 | 13 | PROCESS DOWN | N/A |
| 08/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/19/13 | 05:07 | 15:21 | 0615 | 13 | PROCESS DOWN | N/A |
| 08/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/20/13 | 11:37 | 13:06 | 0090 | 13 | PROCESS DOWN | N/A |
| 08/20/13 | 13:22 | 13:51 | 0030 | 13 | PROCESS DOWN | N/A |
| 08/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/22/13 | 06:52 | 07:51 | 0060 | 13 | PROCESS DOWN | N/A |
| 08/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/24/13 | 13:07 | 18:51 | 0345 | 13 | PROCESS DOWN | N/A |
| 08/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/28/13 | 07:33 | 08:04 | 0032 | 13 | PROCESS DOWN | N/A |
| 08/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/30/13 | 07:53 | 13:09 | 0317 | 13 | PROCESS DOWN | N/A |
| 08/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 08/31/13 | 13:10 | 13:45 | 0036 | 13 | PROCESS DOWN | N/A |
| 09/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/01/13 | 07:42 | 08:01 | 0020 | 13 | PROCESS DOWN | N/A |
| 09/02/13 | 03:50 | 23:59 | 1210 | 13 | PROCESS DOWN | N/A |
| 09/03/13 | 00:00 | 11:35 | 0696 | 13 | PROCESS DOWN | N/A |
| 09/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/05/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/05/13 | 06:36 | 06:39 | 0004 | 13 | PROCESS DOWN | N/A |

INVALID DATA INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:34
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 09/05/13 | 09:10 | 09:19 | 0010 | 13 | PROCESS DOWN | N/A |
| 09/05/13 | 09:20 | 10:02 | 0043 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 09/05/13 | 10:03 | 11:09 | 0067 | 13 | PROCESS DOWN | N/A |
| 09/05/13 | 11:17 | 11:19 | 0003 | 14 | RECALIBRATION | N/A |
| 09/05/13 | 12:55 | 22:54 | 0600 | 13 | PROCESS DOWN | N/A |
| 09/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/06/13 | 06:10 | 06:24 | 0015 | 13 | PROCESS DOWN | N/A |
| 09/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/09/13 | 08:50 | 09:17 | 0028 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 09/09/13 | 10:40 | 23:59 | 0800 | 13 | PROCESS DOWN | N/A |
| 09/10/13 | 00:00 | 00:20 | 0021 | 13 | PROCESS DOWN | N/A |
| 09/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/11/13 | 11:36 | 11:50 | 0015 | 13 | PROCESS DOWN | N/A |
| 09/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/13/13 | 09:36 | 12:50 | 0195 | 13 | PROCESS DOWN | N/A |
| 09/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/16/13 | 06:51 | 16:30 | 0580 | 13 | PROCESS DOWN | ROUTINE MAINTENANCE PERFORMED ON CE |
| 09/16/13 | 16:31 | 18:27 | 0117 | 20 | CORRECTIVE MAINTENANCE | N/A |
| 09/16/13 | 18:28 | 18:35 | 0008 | 14 | RECALIBRATION | N/A |
| 09/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/19/13 | 08:18 | 08:45 | 0028 | 13 | PROCESS DOWN | N/A |
| /19/13 | 19:09 | 19:28 | 0020 | 13 | PROCESS DOWN | N/A |
| /20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | ROUTINE MAINTENANCE PERFORMED ON CE |
| 09/20/13 | 07:28 | 07:31 | 0004 | 20 | CORRECTIVE MAINTENANCE | N/A |
| 09/20/13 | 10:29 | 10:32 | 0004 | 13 | PROCESS DOWN | N/A |
| 09/20/13 | 10:37 | 10:44 | 0008 | 13 | PROCESS DOWN | N/A |
| 09/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/22/13 | 19:45 | 19:52 | 0008 | 13 | PROCESS DOWN | N/A |
| 09/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/23/13 | 10:53 | 11:37 | 0045 | 13 | PROCESS DOWN | N/A |
| 09/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/28/13 | 10:58 | 11:16 | 0019 | 13 | PROCESS DOWN | N/A |
| 09/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 09/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/04/13 | 05:44 | 06:01 | 0018 | 13 | PROCESS DOWN | ROUTINE MAINTENANCE PERFORMED ON CE |
| 10/04/13 | 07:11 | 07:34 | 0024 | 20 | CORRECTIVE MAINTENANCE | N/A |
| 10/04/13 | 11:02 | 12:01 | 0060 | 13 | PROCESS DOWN | N/A |
| 10/05/13 | 04:32 | 08:16 | 0225 | 13 | PROCESS DOWN | N/A |
| 10/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/06/13 | 06:47 | 09:31 | 0165 | 13 | PROCESS DOWN | N/A |
| 10/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/08/13 | 17:03 | 19:02 | 0120 | 13 | PROCESS DOWN | N/A |
| 10/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/10/13 | 20:02 | 20:46 | 0045 | 13 | PROCESS DOWN | N/A |
| 10/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/17/13 | 02:49 | 03:16 | 0028 | 13 | PROCESS DOWN | N/A |
| 10/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/17/13 | 10:57 | 10:57 | 0001 | 13 | PROCESS DOWN | N/A |
| /18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| /18/13 | 06:17 | 06:56 | 0040 | 13 | PROCESS DOWN | N/A |

P60

INVALID DATA INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:34
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 10/18/13 | 07:08 | 07:11 | 0004 | 14 | RECALIBRATION | N/A |
| 10/18/13 | 09:43 | 10:36 | 0054 | 13 | PROCESS DOWN | N/A |
| 10/18/13 | 13:05 | 14:12 | 0068 | 13 | PROCESS DOWN | N/A |
| 10/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/23/13 | 08:26 | 08:28 | 0003 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 10/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/28/13 | 09:49 | 10:32 | 0044 | 13 | PROCESS DOWN | N/A |
| 10/28/13 | 12:09 | 19:44 | 0456 | 13 | PROCESS DOWN | N/A |
| 10/28/13 | 20:09 | 20:12 | 0004 | 13 | PROCESS DOWN | N/A |
| 10/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/29/13 | 06:43 | 09:27 | 0165 | 13 | PROCESS DOWN | N/A |
| 10/29/13 | 09:43 | 12:57 | 0195 | 13 | PROCESS DOWN | N/A |
| 10/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/31/13 | 21:29 | 22:00 | 0032 | 13 | PROCESS DOWN | N/A |
| 11/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/04/13 | 16:18 | 16:29 | 0012 | 13 | PROCESS DOWN | N/A |
| 11/04/13 | 17:46 | 17:57 | 0012 | 13 | PROCESS DOWN | N/A |
| 11/05/13 | 05:26 | 07:25 | 0120 | 13 | PROCESS DOWN | N/A |
| 11/05/13 | 08:55 | 16:29 | 0455 | 13 | PROCESS DOWN | N/A |
| 11/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/11/13 | 06:39 | 10:14 | 0216 | 13 | PROCESS DOWN | N/A |
| 11/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/12/13 | 06:45 | 12:29 | 0345 | 13 | PROCESS DOWN | N/A |
| 11/12/13 | 14:15 | 19:14 | 0300 | 13 | PROCESS DOWN | N/A |
| 11/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/14/13 | 04:55 | 04:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/14/13 | 21:30 | 21:44 | 0015 | 13 | PROCESS DOWN | N/A |
| 11/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/15/13 | 08:30 | 08:32 | 0003 | 14 | RECALIBRATION | N/A |
| 11/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/18/13 | 18:59 | 19:05 | 0007 | 13 | PROCESS DOWN | N/A |
| 11/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/19/13 | 06:31 | 09:14 | 0164 | 13 | PROCESS DOWN | N/A |
| 11/19/13 | 10:15 | 14:22 | 0248 | 13 | PROCESS DOWN | N/A |
| 11/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/27/13 | 06:55 | 07:10 | 0016 | 13 | PROCESS DOWN | N/A |
| 11/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/28/13 | 22:03 | 22:58 | 0056 | 13 | PROCESS DOWN | N/A |
| 11/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/29/13 | 07:21 | 07:23 | 0003 | 14 | RECALIBRATION | N/A |
| 11/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/02/13 | 06:23 | 11:50 | 0328 | 13 | PROCESS DOWN | N/A |
| 12/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/04/13 | 06:35 | 06:50 | 0016 | 13 | PROCESS DOWN | N/A |

INVALID DATA INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:34
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 12/04/13 | 14:31 | 15:18 | 0048 | 13 | PROCESS DOWN | N/A |
| 12/05/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/10/13 | 09:34 | 09:52 | 0019 | 13 | PROCESS DOWN | N/A |
| 12/10/13 | 09:57 | 10:09 | 0013 | 13 | PROCESS DOWN | N/A |
| 12/10/13 | 12:02 | 12:13 | 0012 | 13 | PROCESS DOWN | N/A |
| 12/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/12/13 | 04:55 | 04:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/12/13 | 22:51 | 23:06 | 0016 | 13 | PROCESS DOWN | N/A |
| 12/12/13 | 23:15 | 23:46 | 0032 | 13 | PROCESS DOWN | N/A |
| 12/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | ROUTINE MAINTENANCE PERFORMED ON CE |
| 12/13/13 | 07:39 | 09:31 | 0113 | 20 | CORRECTIVE MAINTENANCE | N/A |
| 12/13/13 | 09:32 | 09:44 | 0013 | 14 | RECALIBRATION | N/A |
| 12/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/14/13 | 16:31 | 22:18 | 0348 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 04:27 | 04:34 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 04:39 | 06:14 | 0096 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 06:19 | 10:34 | 0256 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 10:47 | 12:25 | 0099 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 12:41 | 12:46 | 0006 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 12:51 | 12:58 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 13:07 | 16:02 | 0176 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 16:07 | 22:03 | 0357 | 13 | PROCESS DOWN | N/A |
| 12/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/16/13 | 20:34 | 22:18 | 0105 | 13 | PROCESS DOWN | N/A |
| 12/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/17/13 | 08:01 | 08:04 | 0004 | 14 | RECALIBRATION | N/A |
| 12/17/13 | 13:49 | 14:03 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/19/13 | 06:52 | 08:51 | 0120 | 13 | PROCESS DOWN | N/A |
| 12/19/13 | 16:52 | 17:06 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | ROUTINE MAINTENANCE PERFORMED ON CE |
| 12/20/13 | 09:37 | 09:44 | 0008 | 20 | CORRECTIVE MAINTENANCE | N/A |
| 12/20/13 | 12:07 | 12:21 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/25/13 | 03:52 | 07:21 | 0210 | 13 | PROCESS DOWN | N/A |
| 12/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/26/13 | 23:52 | 23:59 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/27/13 | 00:00 | 00:06 | 0007 | 13 | PROCESS DOWN | N/A |
| 12/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/29/13 | 17:56 | 18:55 | 0060 | 13 | PROCESS DOWN | N/A |
| 12/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/30/13 | 06:25 | 12:53 | 0389 | 13 | PROCESS DOWN | N/A |
| 12/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |

INCIDENT SUMMARY: INVALID OPACITY

| CODE# | HOURS | PERCENT | EXPLANATION |
|---|---|---|---|
| 11 | 22.40 | 7.43 | EXCESS DRIFT PRIMARY MONITOR |
| 13 | 257.42 | 85.38 | PROCESS DOWN |
| 14 | 10.55 | 3.50 | RECALIBRATION |
| 16 | 0.02 | 0.01 | PRIMARY MONITOR MALFUNCTION |
| 18 | 2.00 | 0.66 | DATA HANDLING SYSTEM MALFUNCTION |
| 20 | 9.12 | 3.02 | CORRECTIVE MAINTENANCE |

TOTAL HOURS: 301.50

EXCESS EMISSIONS INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:32
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 07/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 07/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |

EXCESS EMISSIONS INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:32
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 08/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 08/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 09/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |

EXCESS EMI. .NS INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:32
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 10/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |

EXCESS EMISSIONS INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 12:32
PERIOD: 07/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 12/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 2820 0004 1018 0835 on January 21, 2014

January 21, 2014

Connecticut Department of Energy and Environmental Protection
Mr. John Degirolamo
Bureau of Air Management
Engineering and Enforcement Division
79 Elm Street
Hartford, CT 06106-5127

Subject: Continuous Opacity Monitoring System Summary Report, Oct 1, 2013 to Dec 31, 2013.

Dear Mr. John Degirolamo:

Enclosed you will find a copy of the above referenced reports. There were no exceptions to the attached reports.

Please contact me if you have any questions regarding the enclosed reports.

Sincerely,

Veolia Water North America-Northeast, LLC

John Batorski
Project Manager

cc: James Stewart, James R. Stewart PE, LS, Director of Public Works.
(Enclosures)

Veolia Water NA -Naugatuck
500 Cherry Street, Naugatuck, CT 06770
Tel 203-723-1433 / 203-723-8539
www.veoliawaterna.com

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Bureau of Air Management
Compliance Analysis & Coordination Unit
79 Elm Street
Hartford, Connecticut 06106-5127

| |
|---|
| Client #: |
| Sequence #: |
| Town #: |
| Premises #: |
| CADIS Tracking #: |

# Continuous Opacity Monitoring System Summary Report

## Part 1: FACILITY INFORMATION

| | | | |
|---|---|---|---|
| Corporation Name | Borough of Naugatuck | | |
| Premises Name | Borough of Naugatuck POTW | | |
| Corporation Address | 229 Church Street, Naugatuck, CT 06770 | | |
| Premises Address | 500 Cherry Street, Naugatuck, CT 06770 | | |
| Premises Contact Person | John Batorski | | |
| Contact Phone/FAX/e-mail | (203) 723-1433 | (203) 723-8539 | |
| Reporting Period Dates | From: October 1, 2013 | To: December 31, 2013 | |
| Were there any monitoring system failures during this reporting period? (Yes/ No - provide details in report). | YES | Attachments: COMS data (CD or diskette); COMS data (e-mailed); ☐ Copy of quarterly QA audits; ☐ Excepted activities records (if requested). | |
| Are any excess emissions being reported during this reporting period? (Yes/No - provide details in report). | NO | | |

## Part 2: CERTIFICATION

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement in the submitted information may be punishable as a criminal offense, under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

Preparer : CK Environmental

Date: January 21, 2014

Plant Signature: John Batorski

Print (or type) John Batorski

Name and Title:

| PART 3: PERFORMANCE REPORT | | | |
|---|---|---|---|
| Facility Name: | Borough of Naugatuck POTW | | |
| Combustion Unit(s) Descriptions | Fluidized Bed Incinerator | | |
| **UNIT AND MONITOR INFORMATION** | | | |
| Unit Number or ID | EMU 52 | | |
| Unit Operating Hours | 2100.20 hours | | |
| Sampling Location | Fluidized Bed Incinerator Emissions Stack | | |
| Manufacturer / Model No. | Land / 4500 Mark II | Serial No. | 0095478 |
| Date of Certification | January 12, 2005 | Date of last QA audit | December 31, 2013 |
| **MONITOR DATA AVAILABILITY** | | | |
| Monitoring equipment malfunctions | .05 Hours | | |
| Non-monitoring equipment malfunctions | 0 | | |
| Calibrations | 4.80 Hours | | |
| Other known causes[1] | 2.42 Hours | | |
| Unknown causes | None | | |
| Total COM downtime | 7.27 Hours | | |
| Data Availability (calculated) | 99.65% ✓ | | |

$$\%\ \text{Data Availability} = \left(\frac{\text{Unit Operating Time} - \text{Monitoring Downtime}}{\text{Unit Operating Time}}\right) * 100$$

where:
**Unit operating time** = total hours of source operation at any level during the calendar quarter; and
**Monitoring downtime** = total hours of source operation at any level during the calendar quarter where either no CEM equipment data was collected or the CEM equipment data was invalid. Such periods include, but are not limited to, quality assurance activities such as calibration, preventative maintenance, and calibration drift exceedances or quality assurance audits that result in invalid data. [R.C.S.A. 22a-174-4(c)(5)]

1 - other known causes includes all quality assurance activities other than calibrations (e.g., preventative maintenance, quarterly audits) and out-of-controls periods.

# PART 4: SECTION 4 COMS EMISSION SUMMARY REPORT

| | |
|---|---|
| Facility Name: | Borough of Naugatuck POTW |

## UNIT INFORMATION

| | | | |
|---|---|---|---|
| Unit Number or ID | EMU 52 | Unit Operating Hours (a) | 2100.20 |

| | |
|---|---|
| QUESTION 1<br>Did the period of exception from the visible emissions standards of 22a-174-18(b)(2) exceed 0.5% of the total operating hours during the calendar quarter? | ☐ Yes<br>xNo |
| QUESTION 2<br>Were there any visible emissions in excess of 60% opacity (six-minute block average) during the calendar quarter? | ☐ Yes<br>xNo |
| QUESTION 3<br>Were there any periods of visible emissions in excess of the visible emission standards of 22a-174-18(b)(2) not listed in the excepted activities in 22a-174-18(j)? | ☐ Yes<br>xNo |

## OPACITY EXCESS EMISSIONS SUMMARY

| Emission Limit / Averaging Period | (1)<br>20% / six-minute average | (2)<br>40% / one-minute average |
|---|---|---|
| Startup / Shutdown | | |
| Malfunction: Control Equipment | | |
| Malfunction: Operational / Process | | |
| Commissioner-approved stack testing | | |
| Intentional soot blowing | | |
| Fuel Switching | | |
| Sudden load change | | |
| Other known causes | | |
| Unknown causes | | |
| Total duration of excess emissions | | |

| Total unit operating minutes during the operating period.<br>(a) | Total duration of excess emissions in minutes for both limits combined.<br>(b) = ∑(1) + ∑(2) | Total number of overlapped minutes for both limits.<br>(c) | Adjusted total of excess emissions in minutes for both limits combined.<br>(d) = (b) - (c) | Total duration of excess emissions as a percentage of operating time.<br>(e) = (100*d)/(a) |
|---|---|---|---|---|
| 124800 | 0 | 0 | 0 | 0 |

## Part 5: Monitoring and Non-Monitoring Equipment Malfunctions

| EMU# or Unit ID | Permit Cond. ID | Monitoring System Failure Period | | | | Description and Cause of Monitoring System Failure | Corrective Actions Taken to Remedy Monitoring System Failure | Measures Taken to Prevent Future Monitoring System Failures |
|---|---|---|---|---|---|---|---|---|
| | | Start | | End | | | | |
| | | Date | Time | Date | Time | | | |
| 52 | III.E.21 | 10/23 | 08:26 | 10/23 | 08:28 | Data Handling System Malfunction | Routine maintenance performed on DAS | PLC has seven day backup capabilities so no information is lost |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |
| 52 | III.E.21 | | | | | | | |

## Part 6: List of Exc Emissions

| EMU# or Unit ID | Permit Cond. ID | Deviation Period | | | | Description, Cause or Likely Cause of Deviation | Measured Value of Deviation | Description and Date(s) of Actions Taken to Correct Deviation | Description and Date(s) of Measures Taken to Prevent Future Deviations |
|---|---|---|---|---|---|---|---|---|---|
| | | Start | | End | | | | | |
| | | Date | Time | Date | Time | | | | |
| 52 | III.E.21 | | | | | NONE TO REPORT | | | |

P72



INVALID DATA INCIDENTS REPORT

COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:26
PERIOD: 10/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 10/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/04/13 | 05:44 | 06:01 | 0018 | 13 | PROCESS DOWN | N/A |
| 10/04/13 | 07:11 | 07:34 | 0024 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 10/04/13 | 11:02 | 12:01 | 0060 | 13 | PROCESS DOWN | N/A |
| 10/05/13 | 04:32 | 08:16 | 0225 | 13 | PROCESS DOWN | N/A |
| 10/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/06/13 | 06:47 | 09:31 | 0165 | 13 | PROCESS DOWN | N/A |
| 10/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/08/13 | 17:03 | 19:02 | 0120 | 13 | PROCESS DOWN | N/A |
| 10/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/10/13 | 20:02 | 20:46 | 0045 | 13 | PROCESS DOWN | N/A |
| 10/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/17/13 | 02:49 | 03:16 | 0028 | 13 | PROCESS DOWN | N/A |
| 10/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/17/13 | 10:57 | 10:57 | 0001 | 13 | PROCESS DOWN | N/A |
| 10/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/18/13 | 06:17 | 06:56 | 0040 | 13 | PROCESS DOWN | N/A |
| 10/18/13 | 07:08 | 07:11 | 0004 | 14 | RECALIBRATION | N/A |
| 10/18/13 | 09:43 | 10:36 | 0054 | 13 | PROCESS DOWN | N/A |
| 10/18/13 | 13:05 | 14:12 | 0068 | 13 | PROCESS DOWN | N/A |
| 10/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/23/13 | 08:26 | 08:28 | 0003 | 18 | DATA HANDLING SYSTEM MALFUNCTION | ROUTINE MAINTENANCE PERFORMED ON DA |
| 10/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/28/13 | 09:49 | 10:32 | 0044 | 13 | PROCESS DOWN | N/A |
| 10/28/13 | 12:09 | 19:44 | 0456 | 13 | PROCESS DOWN | N/A |
| 10/28/13 | 20:09 | 20:12 | 0004 | 13 | PROCESS DOWN | N/A |
| 10/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/29/13 | 06:43 | 09:27 | 0165 | 13 | PROCESS DOWN | N/A |
| 10/29/13 | 09:43 | 12:57 | 0195 | 13 | PROCESS DOWN | N/A |
| 10/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 10/31/13 | 21:29 | 22:00 | 0032 | 13 | PROCESS DOWN | N/A |
| 11/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/04/13 | 16:18 | 16:29 | 0012 | 13 | PROCESS DOWN | N/A |
| 11/04/13 | 17:46 | 17:57 | 0012 | 13 | PROCESS DOWN | N/A |
| 11/05/13 | 05:26 | 07:25 | 0120 | 13 | PROCESS DOWN | N/A |
| 11/05/13 | 08:55 | 16:29 | 0455 | 13 | PROCESS DOWN | N/A |
| 11/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/11/13 | 06:39 | 10:14 | 0216 | 13 | PROCESS DOWN | N/A |
| 11/12/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/12/13 | 06:45 | 12:29 | 0345 | 13 | PROCESS DOWN | N/A |
| 11/12/13 | 14:15 | 19:14 | 0300 | 13 | PROCESS DOWN | N/A |
| 11/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/14/13 | 04:55 | 04:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/14/13 | 21:30 | 21:44 | 0015 | 13 | PROCESS DOWN | N/A |
| 11/15/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/15/13 | 08:30 | 08:32 | 0003 | 14 | RECALIBRATION | N/A |
| 11/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |

INVALID DATA INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:26
PERIOD: 10/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 11/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/18/13 | 18:59 | 19:05 | 0007 | 13 | PROCESS DOWN | N/A |
| 11/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/19/13 | 06:31 | 09:14 | 0164 | 13 | PROCESS DOWN | N/A |
| 11/19/13 | 10:15 | 14:22 | 0248 | 13 | PROCESS DOWN | N/A |
| 11/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/25/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/27/13 | 06:55 | 07:10 | 0016 | 13 | PROCESS DOWN | N/A |
| 11/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/28/13 | 22:03 | 22:58 | 0056 | 13 | PROCESS DOWN | N/A |
| 11/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 11/29/13 | 07:21 | 07:23 | 0003 | 14 | RECALIBRATION | N/A |
| 11/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/01/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/02/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/02/13 | 06:23 | 11:50 | 0328 | 13 | PROCESS DOWN | N/A |
| 12/03/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/04/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/04/13 | 06:35 | 06:50 | 0016 | 13 | PROCESS DOWN | N/A |
| 12/04/13 | 14:31 | 15:18 | 0048 | 13 | PROCESS DOWN | N/A |
| 12/05/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/06/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/07/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/08/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/09/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/10/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/10/13 | 09:34 | 09:52 | 0019 | 13 | PROCESS DOWN | N/A |
| 12/10/13 | 09:57 | 10:09 | 0013 | 13 | PROCESS DOWN | N/A |
| 12/10/13 | 12:02 | 12:13 | 0012 | 13 | PROCESS DOWN | N/A |
| 12/11/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/12/13 | 04:55 | 04:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/12/13 | 22:51 | 23:06 | 0016 | 13 | PROCESS DOWN | N/A |
| 12/12/13 | 23:15 | 23:46 | 0032 | 13 | PROCESS DOWN | N/A |
| 12/13/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/13/13 | 07:39 | 09:31 | 0113 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 12/13/13 | 09:32 | 09:44 | 0013 | 14 | RECALIBRATION | N/A |
| 12/14/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/14/13 | 16:31 | 22:18 | 0348 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 04:27 | 04:34 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 04:39 | 06:14 | 0096 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 06:19 | 10:34 | 0256 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 10:47 | 12:25 | 0099 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 12:41 | 12:46 | 0006 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 12:51 | 12:58 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 13:07 | 16:02 | 0176 | 13 | PROCESS DOWN | N/A |
| 12/15/13 | 16:07 | 22:03 | 0357 | 13 | PROCESS DOWN | N/A |
| 12/16/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/16/13 | 20:34 | 22:18 | 0105 | 13 | PROCESS DOWN | N/A |
| 12/17/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/17/13 | 08:01 | 08:04 | 0004 | 14 | RECALIBRATION | N/A |
| 12/17/13 | 13:49 | 14:03 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/18/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/19/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/19/13 | 06:52 | 08:51 | 0120 | 13 | PROCESS DOWN | N/A |
| 12/19/13 | 16:52 | 17:06 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/20/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/20/13 | 09:37 | 09:44 | 0008 | 20 | CORRECTIVE MAINTENANCE | ROUTINE MAINTENANCE PERFORMED ON CE |
| 12/20/13 | 12:07 | 12:21 | 0015 | 13 | PROCESS DOWN | N/A |
| 12/21/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/22/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/23/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/24/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/25/13 | 03:52 | 07:21 | 0210 | 13 | PROCESS DOWN | N/A |
| 12/26/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/26/13 | 23:52 | 23:59 | 0008 | 13 | PROCESS DOWN | N/A |
| 12/27/13 | 00:00 | 00:06 | 0007 | 13 | PROCESS DOWN | N/A |

P74

INVALID DATA INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:26
PERIOD: 10/01/2013 - 12/31/2013

INCIDENT: INVALID OPACITY

| DATE | START TIME | END TIME | #MIN LONG | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|
| 12/27/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/28/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/29/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/29/13 | 17:56 | 18:55 | 0060 | 13 | PROCESS DOWN | N/A |
| 12/30/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |
| 12/30/13 | 06:25 | 12:53 | 0389 | 13 | PROCESS DOWN | N/A |
| 12/31/13 | 05:55 | 05:57 | 0003 | 14 | RECALIBRATION | N/A |

INCIDENT SUMMARY: INVALID OPACITY

| CODE# | HOURS | PERCENT | EXPLANATION |
|---|---|---|---|
| 13 | 107.80 | 93.68 | PROCESS DOWN |
| 14 | 4.80 | 4.17 | RECALIBRATION |
| 18 | 0.05 | 0.04 | DATA HANDLING SYSTEM MALFUNCTION |
| 20 | 2.42 | 2.10 | CORRECTIVE MAINTENANCE |

TOTAL HOURS: 115.07

-12 days in Q4 2013 = 2208
107.80
2100.20

$$\frac{2100.20 - 7.27}{2100.20} = 99.65\%$$

P75

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:29
PERIOD: 10/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| 10/01/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/02/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/03/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/04/13 | 17.73 | 78.1% | 22.70 | 94.6% | 24.00 | 100.0% |
| 10/05/13 | 20.25 | 100.0% | 20.25 | 84.4% | 24.00 | 100.0% |
| 10/06/13 | 21.25 | 100.0% | 21.25 | 88.5% | 24.00 | 100.0% |
| 10/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/08/13 | 22.00 | 100.0% | 22.00 | 91.7% | 24.00 | 100.0% |
| 10/09/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/10/13 | 23.25 | 100.0% | 23.25 | 96.9% | 24.00 | 100.0% |
| 10/11/13 | 22.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/12/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/13/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/14/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/15/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/17/13 | 22.52 | 95.7% | 23.52 | 98.0% | 24.00 | 100.0% |
| 10/18/13 | 20.30 | 95.3% | 21.30 | 88.8% | 24.00 | 100.0% |
| 10/19/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/20/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/22/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/23/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/24/13 | 24.00 | 100.0% | 24.00 | 100.0% | 23.95 | 99.8% |
| 10/25/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/26/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/27/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/28/13 | 15.60 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 10/29/13 | 18.00 | 100.0% | 15.60 | 65.0% | 24.00 | 100.0% |
| 10/30/13 | 24.00 | 100.0% | 18.00 | 75.0% | 24.00 | 100.0% |
| 10/31/13 | 23.47 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/01/13 | 21.00 | 87.5% | 23.47 | 97.8% | 24.00 | 100.0% |
| 11/02/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/03/13 | 22.98 | 92.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/04/13 | 21.60 | 91.5% | 24.98 | 104.1% | 24.00 | 100.0% |
| 11/05/13 | 14.42 | 100.0% | 23.60 | 98.3% | 24.00 | 100.0% |
| 11/06/13 | 24.00 | 100.0% | 14.42 | 60.1% | 24.00 | 100.0% |
| 11/07/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/08/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/09/13 | 23.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/10/13 | 18.00 | 75.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/11/13 | 20.40 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/12/13 | 13.25 | 100.0% | 20.40 | 85.0% | 24.00 | 100.0% |
| 11/13/13 | 24.00 | 100.0% | 13.25 | 55.2% | 24.00 | 100.0% |
| 11/14/13 | 23.75 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/15/13 | 21.00 | 87.5% | 23.75 | 99.0% | 24.00 | 100.0% |
| 11/16/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/17/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/18/13 | 23.88 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/19/13 | 17.13 | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 11/20/13 | 24.00 | 100.0% | 17.13 | 71.4% | 24.00 | 100.0% |
| 11/21/13 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| | | | 24.00 | 100.0% | 24.00 | 100.0% |

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:29
PERIOD: 10/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) | VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|---|
| 11/22/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/23/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/24/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/25/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/26/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/27/13 | 23.73 | 23.73 | 100.0% | 23.73 | 98.9% | 24.00 | 100.0% |
| 11/28/13 | 22.07 | 23.07 | 95.7% | 23.07 | 96.1% | 24.00 | 100.0% |
| 11/29/13 | 23.00 | 24.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 11/30/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/01/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/02/13 | 18.53 | 18.53 | 100.0% | 18.53 | 77.2% | 24.00 | 100.0% |
| 12/03/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/04/13 | 22.93 | 22.93 | 100.0% | 22.93 | 95.6% | 24.00 | 100.0% |
| 12/05/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/06/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/07/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/08/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/09/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/10/13 | 21.27 | 23.27 | 91.4% | 23.27 | 96.9% | 24.00 | 100.0% |
| 12/11/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/12/13 | 23.20 | 23.20 | 100.0% | 23.20 | 96.7% | 24.00 | 100.0% |
| 12/13/13 | 18.00 | 24.00 | 75.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/14/13 | 18.20 | 18.20 | 100.0% | 18.20 | 75.8% | 24.00 | 100.0% |
| 12/15/13 | 7.23 | 7.23 | 100.0% | 7.23 | 30.1% | 24.00 | 100.0% |
| 12/16/13 | 22.25 | 22.25 | 100.0% | 22.25 | 92.7% | 24.00 | 100.0% |
| 12/17/13 | 23.75 | 23.75 | 100.0% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/18/13 | 23.00 | 24.00 | 95.8% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/19/13 | 21.75 | 21.75 | 100.0% | 21.75 | 90.6% | 24.00 | 100.0% |
| 12/20/13 | 20.75 | 23.75 | 87.4% | 23.75 | 99.0% | 24.00 | 100.0% |
| 12/21/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/22/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/23/13 | 21.00 | 24.00 | 87.5% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/24/13 | 22.00 | 24.00 | 91.7% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/25/13 | 20.50 | 20.50 | 100.0% | 20.50 | 85.4% | 24.00 | 100.0% |
| 12/26/13 | 23.87 | 23.87 | 100.0% | 23.87 | 99.4% | 24.00 | 100.0% |
| 12/27/13 | 23.88 | 23.88 | 100.0% | 23.88 | 99.5% | 24.00 | 100.0% |
| 12/28/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |
| 12/29/13 | 23.00 | 23.00 | 100.0% | 23.00 | 95.8% | 24.00 | 100.0% |
| 12/30/13 | 17.52 | 17.52 | 100.0% | 17.52 | 73.0% | 24.00 | 100.0% |
| 12/31/13 | 24.00 | 24.00 | 100.0% | 24.00 | 100.0% | 24.00 | 100.0% |

P77

AVAILABILITY REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:29
PERIOD: 10/01/2013 - 12/31/2013

DATA AVAILABILITY AND VALIDITY

| DATE MM/DD/YY | CO @7% (ppmvd) VALID HOURS | % | SOURCE ON-LINE HOURS | % | DAS ON-LINE HOURS | % |
|---|---|---|---|---|---|---|
| TOTAL: | 2050.22 | 97.6% | 2101.18 | 95.2% | 2207.95 | 100.0% |

EXCESS EMISSIONS INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:28
PERIOD: 10/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 11/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 12/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |

P79

EXCESS EMISSIONS INCIDENTS REPORT



COMPANY NAME: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID NO: 1234
DATE CREATED: 01/17/2014 @ 11:27
PERIOD: 10/01/2013 - 12/31/2013

INCIDENT: HI 1-HR OPACITY (%)

| DATE | START TIME | END TIME | #MIN LONG | AVG VALUE | HI/LO VALUE | SET-POINT | DIFF-ERENCE | CODE | EXPLANATION | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 10/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/22/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/23/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/24/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/25/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/26/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/27/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/28/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/29/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/30/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 10/31/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/01/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/02/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/03/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/04/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/05/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/06/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/07/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/08/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/09/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/10/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/11/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/12/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/13/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/14/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/15/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/16/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/17/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/18/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/19/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/20/13 | NO INCIDENT OCCURRED | | | | | | | | | |
| 11/21/13 | NO INCIDENT OCCURRED | | | | | | | | | |

P80

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employ

February 4, 2014

Mr. John Batorski
Plant Manager
Borough of Naugatuck
229 Church Street
Naugatuck, CT 06770

Dear Mr. Batorski:

In June 2012, the Department notified Borough of Naugatuck of the U.S. Environmental Protection Agency (EPA) air emissions requirements for sewage sludge incinerators (SSI). As noted in the previous letter, the deadline to submit a Title V permit application for your facility, March 21, 2014, is quickly approaching.

As outlined in the June 2012 letter, EPA published emission guidelines for existing SSI on March 21, 2011 (76 FR 15371). Rather than adopt a new state regulation to apply the emission guidelines to you and other SSI owners, the Department is waiting for EPA to promulgate a Federal Plan to implement the emission guidelines in Connecticut. EPA has not yet proposed a Federal Plan but is required to issue the final Federal Plan no later than March 21, 2016.

Because the Federal Plan has not been published, there are no applicable requirements for your facility under Section 129 of the Clean Air Act. Nonetheless, there are other state and federal requirements applicable to your facility, and federal regulations require that you submit a Title V permit application. By submitting an application you will be in compliance with the timetable for Connecticut's federally approved Title V program. Furthermore, although the Federal Plan has neither been proposed nor finalized at this time, EPA expects that the Federal Plan requirements will be substantially the same as the emissions standards and other requirements of the emissions guidelines. Therefore, we encourage you to review the emissions guidelines and plan for compliance with those requirements.

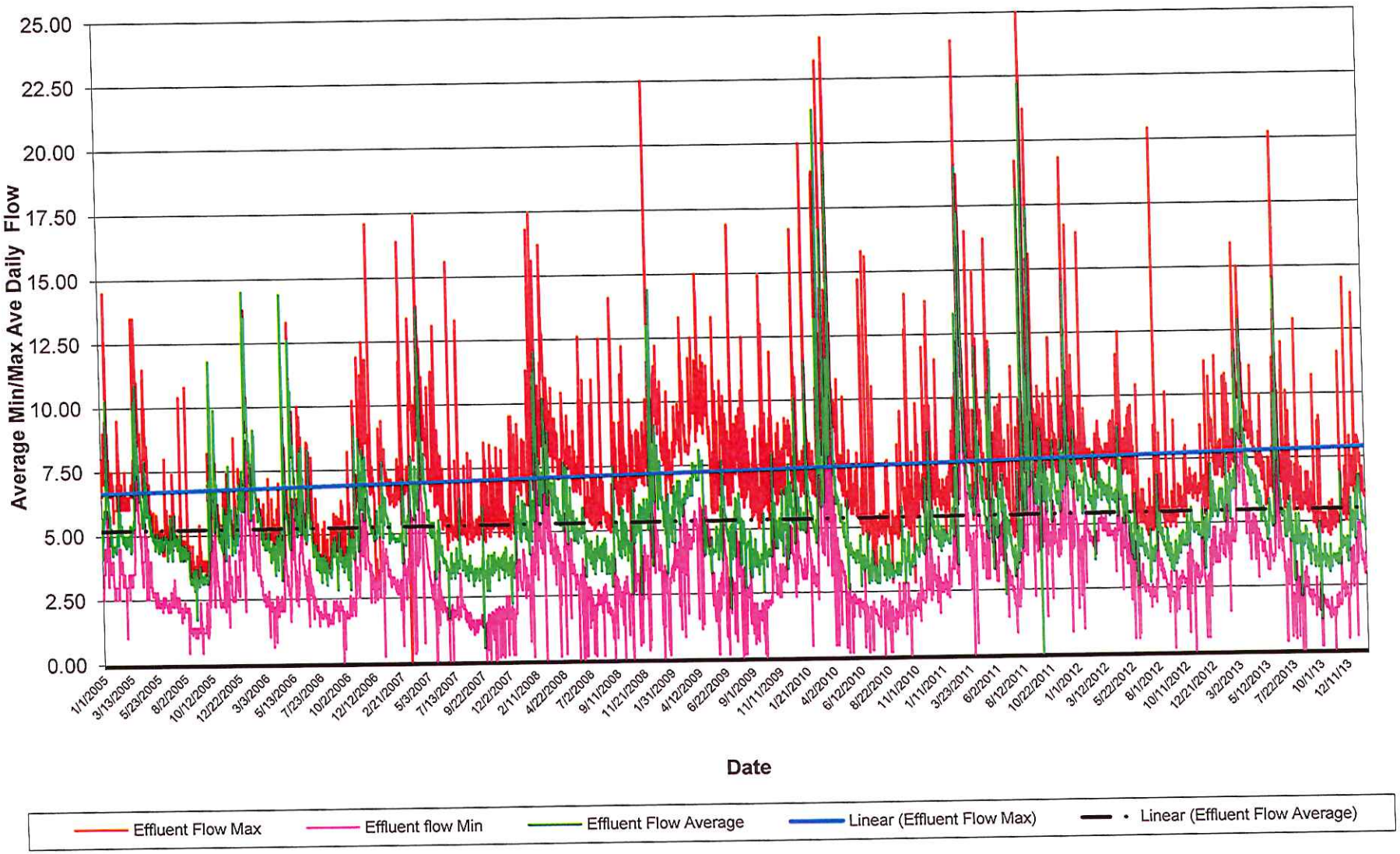
You will receive a follow up telephone call from a permit engineer who will be able to answer specific questions about the application process and requirements. If you would like to discuss any aspect of this letter with me, please contact me at 860-424-3468 or gary.rose@ct.gov.

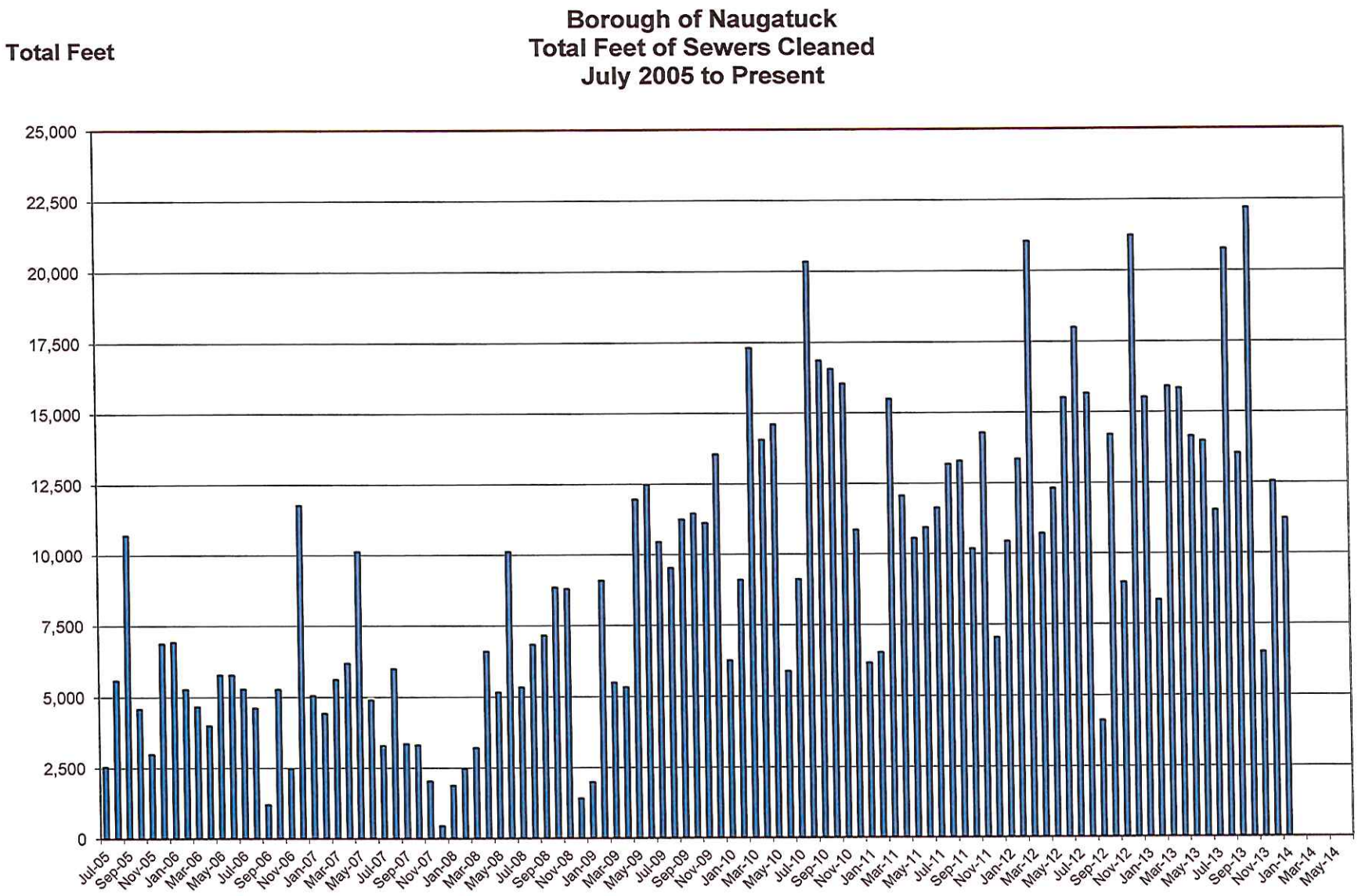
Sincerely,

/s/ Gary S. Rose
Gary S. Rose
Director, Engineering & Enforcement
Bureau of Air Management

GSR:jad
cc: Susan Amarello, Supervising Air Pollution Control Engineer
Kiernan Wholean, Supervising Air Pollution Control Engineer

## Naugatuck WPCF Daily Min/Max/Total Flow Data
## 2005 to Present




Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present
Total Feet
25,000
22,500
20,000
17,500
15,000
12,500
10,000
7,500
5,000
2,500
0
Jul-05
Sep-05
Nov-05
Jan-06
Mar-06
May-06
Jul-06
Sep-06
Nov-06
Jan-07
Mar-07
May-07
Jul-07
Sep-07
Nov-07
Jan-08
Mar-08
May-08
Jul-08
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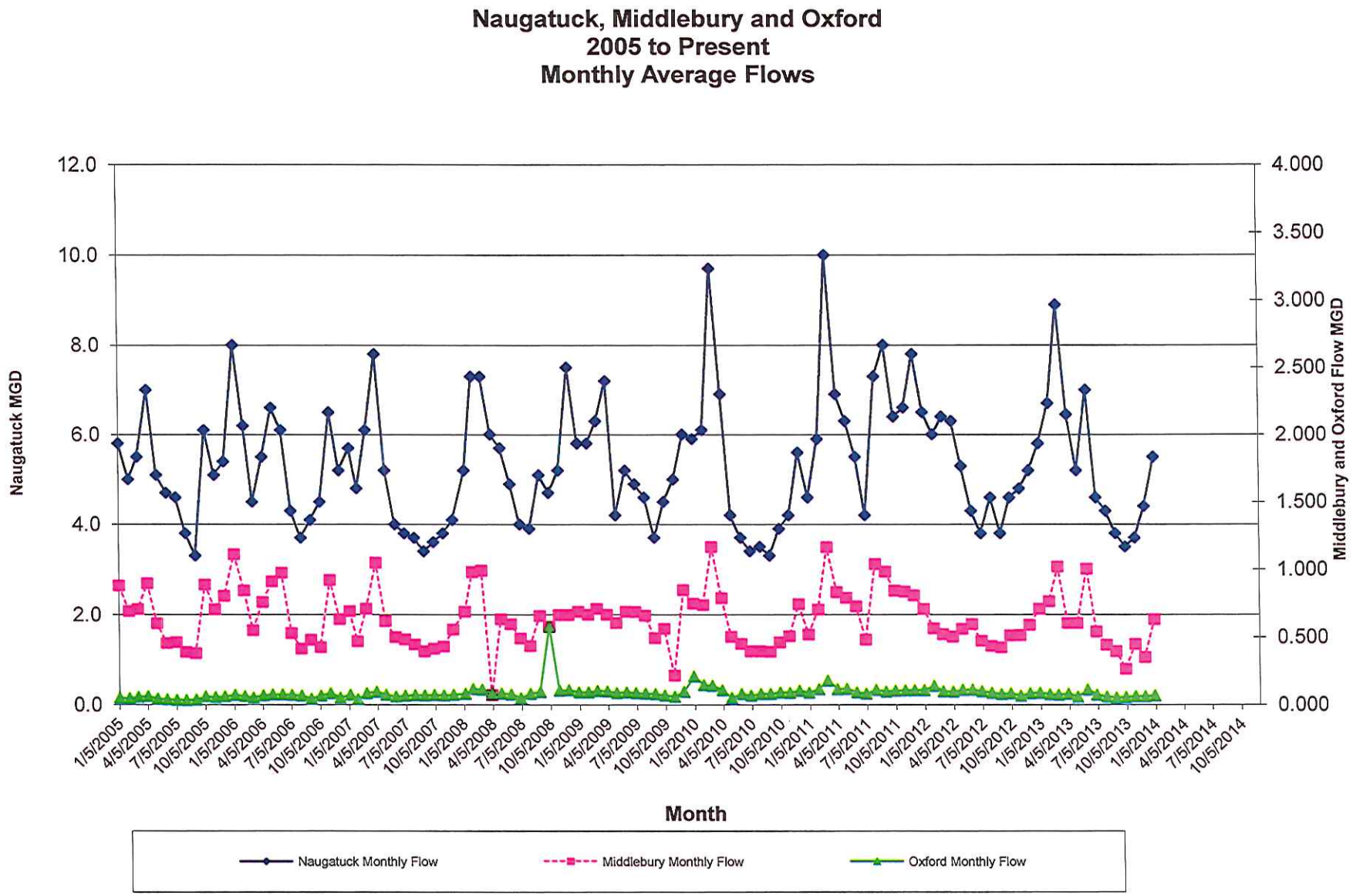
Nov-13
Jan-14
Mar-14
May-14


Naugatuck, Middlebury and Oxford
2005 to Present
Monthly Average Flows
Naugatuck MGD
Middlebury and Oxford Flow MGD
Month
Naugatuck Monthly Flow
Middlebury Monthly Flow
Oxford Monthly Flow