VEOLIA

Aug 10, 2015

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

Re: **July 2015 Monthly Operating Report**

Dear Mr. Merancy:

Enclosed please find Veolia Water's Monthly Operating Report for the month of July 2015.

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, Jeffrey Hanson, 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 July 2015

This report summarizes the activities at the Borough POTW for July 2015:

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.	-	266
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	**Limit**	**Actual**
Carbonaceous BOD (mg/l)		
Influent Avg.	-	161
Eff Avg(Nov 1 – May 31)	25	
Eff Avg(June – Oct 31)	15	4
Removal Efficiency	85%	97%

Discharge Permit Exceedance: None

	Naugatuck	**Middlebury**	**Oxford**	**OTR**
July Flow Avg. (MGD)	4.4	0.413	0.043	N/A
Sludge Liquid Total (MGal)				5761.7
Sludge Cake Total (Wet Tons)				4307.0
Septage Total (MGal)	42,250	67,250	220,000	742,350

Discharge Permit Exceedance: None

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	6
Unconfirmed Odor Complaints	0	1

1. **Compliance & Regulatory Issues**
   a. No report.
2. **Odor Complaints**
   a. There was 1 odor complaint in July. That same day neighbors (3 doors away at a 4th of July party) from the person that complained did not detect any odors.
3. **Personnel**
   a. No report.
4. **Health & Safety**
   a. The July safety meeting was present by a Grade 3 staff operator. That is the third staff member to present at a safety meeting.
5. **Operational Information**
   a. The plant engineer continues to furnish requested information to Kleinfelder.
   b. We have been in contact with Oxford regarding odors form their main truck line. Discussion included purchasing of potassium permanganate, chemical feed systems and a supplier of that product.

Borough of Naugatuck
Monthly WPCF Report July 2015

6. **Collections**
   a. The generator for the Maple and May pump station failed. The unit is old and no longer manufactured. A rental unit will be used until the replacement is ordered. Lead time is 10 to 12 weeks and cost estimate is $20 to $25k.
7. **Maintenance**
   a. Two centrifuges are in operation as they have both been rebuilt by Hiller.
   b. The Spirac conveyors operations now have Lead/Lag controls in an effort to further automate/streamline operations.
   c. The venturi flooded elbow had ceramic castable applied to the refractory surface.
   d. Vertical conveyor #1 failed on July 30. The conveyor will be repaired with the improved design section from Spirac. The conveyor lasted one year.

8. **Capital Projects**
   a. No report.

Borough of Naugatuck
Collections Systems Report
July 2015

VEOLIA WATER

	Calls for Service
1	07/20/15 - 10 Sunset Dr
2	07/29/15 - 85 Grove St - main line free, lateral problem
3	
4	
5	
6	

This Month	Year to Date
2	2

	Calls Caused By Collection System	Reason
1	10 Sunset Dr	Multiple roots in main line caused back up
2		
3		
4		

	Video Inspections	Type	Footage
1	Street Name		
2	Sunset Dr 6-121 to end of line	cctv	150
3	Craig Cir 6-121 upstream	cctv	150
4	Millville Ave 6-166 to 6-162	cctv	575
5	Citybrook Rd 7-188A upstream	cctv	40
6	Ruela Dr 7-294 upstream	cctv	50
7	Grove St 6-305 downstream	cctv	140
8	Hillside/Bradbury easement 6-284A to 6-200	cctv	365
9			

This Month		Year to Date	
1470	Feet	1470	Feet

	High Velocity Cleaning		
	Street Name	Date	Footage
1	Park Ave 6-306A towards Chestnut	7/6/2015	150
2	Park Ave 6-306A towards Grove St	7/6/2015	120
3	New St 6-306A to 6-302	7/6/2015	360
4	New St 6-302 to 6-301	7/7/2015	200
5	New St 6-300 to 6-301	7/8/2015	280
6	New St 6-300 downstream	7/8/2015	220
7	Salem St 6-229 upstream	7/8/2015	100
8	Salem St 6-229 to the end	7/8/2015	175
9	Salem St/Rt 63 easement 6-229 downstream	7/8/2015	170
10	Hillside Ave 6-187 to the end	7/8/2015	300
11	Hillside Ave 6-187 to 6-186	7/8/2015	300
12	Hillside Ave 6-186 to no #s towards Millville Ave	7/8/2015	595
13	Hillside Ave 6-300 upstream	7/8/2015	225
14	Hillside 6-283 to end of line	7/8/2015	95
15	Bradbury St 6-200A upstream	7/8/2015	65
16	Beecher St 6-273 to 6-213	7/9/2015	350
17	Buckingham St 6-280 to 6-274	7/9/2015	915
18	Judd St 6-281 to 6-275	7/9/2015	150
19	Field St 2-38 to 2-36	7/9/2015	350
20	Field St easement 2-39 to 2-37	7/9/2015	375
21	Hillside Ave 2-36 to 6-214	7/9/2015	520
22	Sherman St 6-214 to 6-213	7/9/2015	355
23	Sunset Dr 6-121 to the end	7/21/2015	225

6 month list
Call for service

24	Craig Cir 6-121 upstream to end	7/21/2015	225
25	Craig Cir 6-121 to 6-120	7/21/2015	470
26	Pierce Ln 6-124 to 6-120	7/22/2015	520
27	Craig Cir 6-120 to 6-119	7/22/2015	400
28	Millville Ave 6-119 to 6-115	7/22/2015	1430
29	Phyllis Dr 6-138 to 6-116	7/22/2015	185
30	N. Hoadley St 6-144 to 6-115	7/22/2015	330
31	Fern St 6-168 to 6-167	7/22/2015	315
32	Millville Ave 6-167 to 6-162	7/23/2015	990
33	Quinn St 6-171 to 6-166	7/23/2015	315
34	Park Ave 6-174 to 6-165	7/23/2015	190
35	Marbern Ln no M/h #s	7/27/2015	275
36	Hillside Ave 6-182A to 6-182	7/28/2015	100
37	Hillside Ave 6-182 to 6-180	7/28/2015	150
38	Millville Ave 6-183 to 6-182	7/28/2015	100
39	Sweeny St 6-161 to 6-181	7/28/2015	190
40	Cliff St 9-207 to 9-206	7/28/2015	310
41	Fairview Ave 9-206 to 9-206B	7/28/2015	295
42	Terrace Ave 9-206B to 6-177A	7/28/2015	100
43	Hillside Ave easement 6-177 to 6-177A	7/28/2015	160
44	Sherman St 6-213 to 6-211	7/28/2015	550
45	Hillside Ave/Bradbury easement 6-200A upstream	7/29/2015	325
46	Grove St 6-305 to 6-304	7/29/2015	250
47	Hillside Ave /Bradbury easement 6-284A down	7/30/2015	320
48	Marbern Ln no M/h #s	7/30/2015	700
49			
50			
51			

This Month		Year to Date	
15820	Feet	15820	Feet

Root Treatment

	Street Name	Type	Footage
1	Sunset Dr 6-121 to end of line	root cutter	225
2	Craig Cir 6-121 to endof line	root cutter	225
3	Craig Cir 6-121 to 6-120	root cutter	470
4	Hillside/Bradbury easement 6-284A to 6-200	root cutter	485
5			
6			
7			
8			
9			
10			
11			

This Month		Year to Date	
1405	Feet	1405	Feet

Pump Station Services

	Work performed	Location	Date	Notes
1	Weekly pumpstation checks	All 5	7/2/2015	Floats cleaned, gens checks
2	Weekly pumpstation checks	All 5	7/10/2015	Floats cleaned, high wetwell test
3	Weekly pumpstation checks	All 5	7/17/2015	Floats cleaned
4	Weekly pumpstation checks	All 5	7/24/2015	
5	Weekly pumpstation checks	All 5	7/31/2015	Wetwell draw downs and high wetwell tests
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
	End Reading	450.5	615.3	68.6
Inwood	Start Reading	438.4	573.6	42.1
	Hrs Run	[illegible]	[illegible]	[illegible]

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
	End Reading	3514.5	3761.5
MAPLE & MAY	Start Reading	3514.3	3761.5
	Hrs Run	[illegible]	[illegible]

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Raw Water
	End Reading	4577.6	5263.7	2016.47
Plate Mill	Start Reading	4576.3	5237.4	1930.72
	Hrs Run	[illegible]	[illegible]	[illegible]

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
	End Reading	1337.9	842
Highbrook	Start Reading	1330.9	827.4
	Hrs Run	[illegible]	[illegible]

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
	End Reading	8315	11828
HORTON MILL	Start Reading	8291.8	11691.7
	Hrs Run	[illegible]	[illegible]

Vac Truck Information

Days out of the plant working		
This Month	YTD	Remaining
19	16	135

Fuel Information	Fuel Cost	Fuel Used			
	3155.70	58.0	Gallons	YTD Gallons	
	3231.94	73.1	Gallons	131.1	Gallons
			Gallons		
			Gallons	YTD Fuel Cost	
This Months Total	6414.64	131.1	Gallons	6414.64	

	Mileage		Engine Hours
Month Start	166696	Month Start	5520
Month End	167697.5	Month End	5703.5
Total	1002.5	Total	64.5

Utility Truck Information	Fuel Cost	Fuel Used		
	3041.60	32.52	Gallons	YTD Gallons
	3077.87	31.69	Gallons	64.21
			Gallons	
			Gallons	YTD Fuel Cost
			Gallons	6119.47
This Months Total	6119.47	64.21	Gallons	

	Other tasks and notes
1	07/01/15 - Vacuumed out and cleaned Maple/May pumpstations wetwell.
2	07/01/15 - Kinsley Power went to Maple/May pumpstation to diagnois the generator problem.
3	07/02/15 - Kinsley Power continued with the generator and concluded that the generator is no longer functional
4	07/06/15 - Set up Vac truck at primary tanks and used it to vac out the sump pump and cross collector.
5	07/07/15 - Cleared path to second m/h on the CT Water easement. Replaced the two m/h lids with locking lids on the easement.
6	07/10/15 - Pumped Platts Mills wetwell down to the bottom and did draw down measurements.
7	07/13/15 - Tried to locate m/hs and flow direction behind Hillside School.
8	07/13/15 - Vacuumed out and cleaned Horton Hill pumpstations wetwell
9	07/14/15 - Vacuumed out and cleaned the Plants storm water oil seperator tanks. Took 8 loads out.
10	07/15/15 - Continued work on the Plants storm water oil seperator tanks. Took 6 loads out.
11	07/15/15 - Set up Vac truck at primary tanks and used truck to vacuum out collector and sump.
12	07/16/15 - Scraped the grease off the walls of Platts Mill wetwell, then vaccumed out and cleaned the tank.
13	07/17/15 - Picked up new on/off water switch for Vac truck.
14	07/20/15 - Set up gear, truck and material for CT Water easement job. Confined space entry at m/h 3-56 to retrieve large rock.
15	07/20/15 - Masonry work was done on the m/h 3-56 pedestal on the CT Water easement.
16	07/24/15 - Vacuumed out and cleaned Hopbrook pumpstations wetwell. Pulled both pumps at station and cleaned them.
17	07/24/15 - Pulled both pumps at Maple/May pumpstation and de-ragged them.
18	07/27/15 - Found broken m/h lid on Marbern Ln. Lid was an uncommon size, put metal plate on road while a new lid is on order.
19	07/28/15 - Pulled #3 pump at Inwood pumpstation and #1 pump at Horton Hill pumpstation for inspection.
20	
21	

VEOLIA
WATER

Sent via certified mail #7014 1200 0002 2236 9777 on August 11, 2015

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

August 11, 2015

Re: July 2015 Reports for Naugatuck, CT WPCF, NPDES # CT0100641

Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report* for July 2015. The *Nutrients Analysis Report for Compliance with General Permit for Nitrogen Discharges* and the *Discharge Monitoring Report* was 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 July 2015.

Also enclosed is a revised MOR for June 2015. The Total P for June 29 and 30th is the only change on page 3 and is highlighted in yellow. The June 29 and 30th Final Effluent total P analyticals were not available at the time of that report. As reported on the June 2015 MOR, the final effluent Ortho P analyticals for June 29 and 30th were not performed. As a result of human error, while the sample was collected and sent to the lab, the Ortho P analysis was not checked off on the COA. The analysis was not reported as it exceeded sample hold times.

Please contact me if you have any questions regarding the enclosed revised 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

Naugatuck WPCF

Sample month/year July, 2015

Facility ID: 088-001

Permit #: CT0100641

Date received: (stamped)

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	5.9	3.1	4.4	0.485			5,944	62	5.0	1.2	237	0.89	8,092	53	5.0	1.2	237	0.95	2,348	163,116			120	140	<4
2	5.7	3.1	4.6	0.489			5,788	60	2.3	1.3	231	1.04	6,032	68	2.3	1.2	231	0.97	2,565	178,704					
3	5.6	2.9	4.3	0.481					2.5	1.0	250				2.2	1.2	250		2,565	119,816					
4	6.0	3.0	4.3	0.474					2.6	1.0	246				2.4	1.0	246		2,565	174,744					
5	7.5	2.6	4.8	0.480					2.4	1.1	171				2.3	1.2	171		2,565	157,224					
6	9.6	2.8	4.6	0.486			3,024	106	2.6	0.6	143	1.16	7,240	62	2.5	1.1	143		987	131,436			250		<4
7	6.4	1.6	4.3	0.449			5,636	53	2.5	1.1	147	1.07	8,288	60	2.2	1.2	147		1,820	150,821			150		<4
8	7.9	3.1	5.0	0.558			5,744	54	2.4	1.1	125	1.14	9,240	54	2.3	1.2	125		2,424	171,612			160	160	<4
9	6.0	0.0	4.5	0.522			6,020	51	2.3	1.1	147	1.25	7,440	73	2.2	1.2	147		2,658	156,792					
10	5.5	2.9	4.4	0.464			4,280	63	2.7	0.7	144	1.05	9,632	59	2.4	0.8	144		2,233	170,568					
11	5.3	2.6	4.1	0.530					5.0	1.4	158				5.0	1.2	158		2,233	170,568					
12	5.5	2.7	4.3	0.530					2.2	1.3	148				2.2	1.3	148		2,233	168,840					
13	6.0	2.5	3.7	0.519			5,008	64	2.3	1.4	174	1.16	7,956	67	2.2	1.2	174		0	106,693			160		<4
14	6.7	1.0	4.5	0.536			5,256	72	3.5	0.4	220	1.19	7,288	75	3.4	1.1	220	0.69	3,998	147,072			100		<4
15	5.5	3.1	4.6	0.481			5,364	78	2.2	1.4	227	0.89	6,420	78	2.2	1.4	227	1.23	4,509	136,932			170	140	<4
16	5.3	2.9	4.4	0.453			6,592	68	2.3	1.2	239	0.82	7,216	68	2.2	1.2	239	1.24	5,257	138,336					
17	5.2	2.6	4.3	0.522			5,504	78	2.2	1.4	256	0.94	5,908	78	2.2	1.2	256	1.23	7,384	148,536					
18	6.3	2.8	4.5	0.531					2.2	1.3	232				2.2	1.2	232		7,384	185,772					
19	5.5	2.5	4.3	0.499					4.1	0.2	256				4.2	0.0	256		7,384	164,556					
20	6.0	2.6	4.3	0.535			5,616	78	2.3	0.5	261	0.85	6,268	86	2.2	0.1	261	0.89	5,921	86,200			160		<4
21	5.8	2.5	4.3	0.528			6,200	69	2.3	1.3	274	0.85	6,648	71	2.2	1.1	274	1.06	4,874	151,008			170		<4
22	5.3	2.6	4.5	0.546			5,304	92	2.2	1.4	246	0.88	5,420	96	2.3	1.1	246	0.97	1,574	138,336			170	180	<4
23	5.4	2.6	4.5	0.567			5,256	93	2.3	1.4	212	0.83	5,236	103	2.3	1.1	212	0.80	2,080	131,520					
24	5.3	2.6	4.4	0.558			4,308	116	2.2	1.4	282	0.72	4,268	127	2.2	1.1	282	0.76	1,889	136,932					
25	5.4	2.6	4.2	0.551					2.3	1.5	258				2.2	1.3	258		1,889	151,008					
26	5.6	2.2	4.4	0.562					3.3	0.6	226				3.1	0.8	226		1,889	142,356					
27	5.2	2.4	4.5	0.566			7,084	68	2.3	1.2	179	1.12	6,732	73	5.0	0.0	179	0.92	3,471	124,296			190	150	<4
28	6.3	2.7	4.7	0.571			7,036	70	2.4	1.2	319	1.09	8,384	62	2.2	1.0	319	0.97	5,257	115,937			160		<4
29	5.3	2.8	4.5	0.520			8,096	56	3.5	0.2	235	1.19	7,828	59	2.6	0.7	235	1.02	7,520	172,296			190		<4
30	6.6	2.8	4.9	0.505			6,960	62	4.6	1.4	254	1.04	6,448	59	4.7	1.4	254	1.00	6,074	144,013					
31	4.8	2.8	4.2	0.509			5,280	66	2.2	1.5	253	0.79	4,932	65	2.2	1.5	253	0.81	4,083	149,875					
Total	184.4	79.0	137.06				5,280												109,631	4,585,914					
Ave.	5.9	2.5	4.42	0.516			5,695	72	2.7	1.1	218	0.85	6,951	73	2.7	1.0	1.00	0.97	3,536	147,933			165	154	4

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	190	76	<5	0.0	1.7	77.89	2.11	0.040	0.000	0.025	60		18.60	22.3	<0.05	0.010	<0.010	<0.010	<0.02	<0.02	2.770	31.10	29.10	1.120
2				0.0	3.4	81.62	2.12	0.050	0.000	0.015														
3						76.55	2.12	0.030	0.000	0.008														
4						76.08	2.14	0.050	0.000	0.017														
5						84.12	2.10	0.040	0.000	0.023														
6	240		<5	0.0	2.1	75.25	1.97	0.050	0.000	0.027			21.20		0.10	0.020		<0.010	<0.02		2.610	35.00		1.030
7	230		<5	0.0	1.9	73.06	2.05	0.040	0.010	0.027	30		17.30		0.12	0.020		<0.010	<0.02		2.950	31.00		0.900
8	260	180	<5	0.0	2.1	72.72	1.75	0.040	0.000	0.015	140		20.10		0.05	0.020		<0.010	<0.02		3.010	32.80		0.830
9				0.0	1.9	74.21	1.97	0.040	0.000	0.028	80													
10				0.0	2.1	76.18	2.06	0.050	0.000	0.027														
11						75.17	2.18	0.040	0.000	0.018														
12						76.78	2.17	0.040	0.000	0.023														
13	200		<5	0.0	2.0	71.43	2.33	0.030	0.000	0.007			17.90		<0.05	0.020		<0.010	<0.02		2.830	30.50		0.850
14	140		<5	0.0	1.6	87.08	2.34	0.050	0.000	0.022	120		18.80		<0.05	0.020		<0.010	<0.02		2.310	29.60		0.830
15	230	63	<5	0.0	2.0	89.78	2.32	0.040	0.000	0.017	20		21.00		1.08	0.020		<0.010	<0.02		2.670	35.40		2.300
16				0.0	2.3	96.17	2.63	0.040	0.000	0.007	90													
17				0.0	2.4	88.09	2.48	0.040	0.000	0.022														
18						87.37	2.35	0.020	0.000	0.007														
19						88.54	2.49	0.040	0.000	0.020														
20	320		<5	0.0	1.1	89.85	2.49	0.050	0.000	0.010			18.30		0.06	0.020		<0.010	<0.02		3.010	32.70		0.800
21	490		<5	0.0	1.2	86.95	2.45	0.050	0.000	0.025	40		21.70		<0.05	0.030		<0.010	<0.02		2.860	38.40		0.680
22	360	140	<5	0.0	2.4	86.84	2.30	0.050	0.000	0.020	10		17.80		<0.05	0.020		<0.010	<0.02		3.030	33.80		1.500
23				0.0	1.0	78.16	2.08	0.050	0.000	0.022	110													
24				0.0	1.5	75.40	2.05	0.050	0.010	0.025														
25						78.84	2.26	0.050	0.000	0.035														
26						78.91	2.15	0.050	0.000	0.025														
27	320	94	<5	0.0	3.1	77.82	2.09	0.050	0.000	0.028			23.50		0.05	0.020		<0.010	<0.02		3.410	37.00		0.920
28	240		<5	0.0	2.9	79.59	2.04	0.050	0.000		90		19.10		<0.05	0.020		<0.010	<0.02		3.530	37.70		0.760
29	260		<5	0.0	2.4	72.96	1.93	0.050	0.000	0.015	<10		20.40		0.42	0.020		<0.010	<0.02		3.910	39.90		1.300
30				0.0	1.5	73.49	1.81	0.050	0.000	0.025	100													
31				1.0	2.1	69.88	1.99	0.050	0.000	0.025														
Total																								
Ave.	268	111	5	0.0	2.0	79.90	2.17	0.044	0.001	0.020	51		19.67	22.3	0.17	0.020	0.010	0.010	0.02	0.02	2.992	34.22	29.10	1.063

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	31.1	29.1	3.9	143	6.5	7.2	6.8	4.16		8.01	295	1.85		8.50	71	83	<0.0040	0.004	0.012	0.11	0.18	0.08	0.07
2					6.3	7.2	6.8								67	83							
3																							
4																							
5																							
6	35.0		3.6	138	6.7	7.4	6.9			9.52	364			9.50		84							
7	31.0		3.9	140	6.3	7.3	6.9									85							
8	32.8		3.8	158	6.7	7.3	6.9			9.70	402			9.90	69	82	<0.0040	0.007		0.22	0.20	0.09	0.07
9					6.4	7.1	6.7								69	83							
10					6.7	7.2	6.8								68	85							
11																							
12																							
13	30.5		3.7	114	6.5	7.3	6.9			9.17	281			6.05	70	88							
14	29.6		3.2	120	6.6	7.2	6.8								71	86							
15	35.4		5.0	192	6.7	7.3	6.8			9.20	356			9.15	71	87	<0.0040	0.008		0.14	0.17	0.09	0.05
16					6.8	7.2	6.8								70	83							
17					6.6	7.2	6.8								71	85							
18																							
19																							
20	32.7		3.8	136	6.3	7.3	6.6			10.00	361			10.00	71	87							
21	38.5		3.6	129	6.2	7.1	6.8								70	85							
22	33.8		4.5	169	5.9	7.2	6.7			10.10	381			10.10	69	85	<0.0040	0.007		0.38	0.17	0.08	0.07
23					6.3	7.1	6.8								71	85							
24					6.2	7.1	6.8								70	84							
25																							
26																							
27	37.0		4.3	161	6.1	7.4	6.8			10.70	398			10.90	71	87	<0.0040	0.007		1.07	0.25	0.08	0.02
28	37.7		4.3	169	5.5	7.3	6.8			10.70	417			10.40	73	85							
29	39.9		5.2	195	6.7	7.2	6.9								76	83							
30					6.4	7.0	6.5								71	89							
31					6.2	7.3	6.7								74	88							
Total																							
Ave.	34.3	29.1	4.1	151	6.4	7.2	6.8	4.16		9.68	362	1.85		9.39	70.4	84.9	0.0040	0.0066	0.012	0.39	0.19	0.09	0.05

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	3.16	1.063	130	60
2			130	50
3				
4				
5				
6			110	50
7			150	40
8	4.40	0.938	120	60
9			130	30
10			100	40
11				
12				
13			150	40
14			120	60
15	4.57	1.150	130	50
16			100	60
17			120	60
18				
19				
20			100	30
21			90	40
22	7.17	0.903	120	30
23			110	40
24			120	50
25				
26				
27	20.96	0.957	120	40
28			130	30
29			150	40
30			110	30
31			100	40
Total				
Ave.	8.05	1.002	120	44

Sludge Dispoal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities

79 Elm Street

Statement of Acknowledgement

I certify under pentalty 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: John Batorski

Date: 8-10-15

July 2015 Sludge Data

Source	Gallons	Wet Tons
Americas Styrenics - VES	6,500	
Ansonia - Synagro	45,500	
Beacon Falls Treatment	156,000	
Bedford Hills	32,500	
Branford WWTP - Synagro	19,500	
Bridgeport - East - Synagro	104,000	
Bridgeport - West - Synagro	338,000	
Bristol		585.45
Casella - Chicopee		26.93
Casella - Glen Cove		300.57
Casella - Huntington		223.08
Casella - Poughkeepsie		230.00
Casella - Suffolk		1,222.46
Casella - Walden		33.05
Casella - Yorktown Heights		72.99
Chicopee liquid	258,400	
Cranston		27.11
Danbury Cake		542.87
Greenwich - Synagro		20.59
Heritage Village Water	32,500	
Holyoke - Synagro		52.21
Litchfield	58,500	
Lynwood Place	39,000	
Mahopac Sludge & Septic	564,000	
New Canaan - Synagro	39,000	
New Hartford	25,500	
New London, CT	6,500	
New Rochelle		634.81
Newtown - Synagro	13,000	
North Canaan	26,000	
North Hampton - Synagro		17.70
North Haven	136,500	
Norwalk - Synagro		45.09
Norwalk - Synagro	39,000	
Pawling	116,900	
Pepsi	13,000	
Plymouth	78,000	
Poughkeepsie	383,500	
Redding	13,000	
Rhinebeck WPCF		24.15
Ridgefield - Synagro	44,000	
Seymour Cake		114.78
Southbury	156,000	
Southington	1,040,000	
Stamford		133.04
Stratford	968,500	
Thomaston Treatment	65,000	
Torrington	487,500	
Vogler Bros	19,500	
Westport	124,902	
Windham	312,000	
Totals	**5,761,702**	**4,307**

Naugatuck WPCF — Sample month/year June, 2015

Facility ID: 088-001 — **Permit #: CT0100641**

Date received: (stamped)

June 2015 - No changes this page

	Daily Flow			Primary Sludge			Aeration Tank #1				Return Sludge		Aeration Tank #2				Return Sludge		Waste Sludge	Dry Solids to Incineration	Waste Accepted		CBOD (5-Day)		
	Max.	Min.	Total	Vol.	% solids	wt.	MLSS	SVI	High D.O.	Low D.O.			MLSS	SVI	High D.O.	Low D.O.	% Flow	%Solids			Septic	Indust	Inf.	Prim eff.	Final eff.
Units	mgd			MG		lbs.			mg/l		% Flow	% Solids			mg/l				lbs	lbs	gal	gal	mg/l		
Freq	Daily			Work Day			Work Day		4/ work day				Work Day		4/Work Day		Work Day		Wk Day	Wk Day	Work Day		3/week		
1	7.8	3.6	5.8	0.468			6,252	70	2.3	1.4	181	1.18	6,984	72	2.2	1.1	181	1.14	3,947	183,672	52,500		61	150	<4
2	7.6	5.3	6.4	0.458			6,408	67	2.2	1.3	160	1.15	7,036	75	2.4	0.9	160	1.35	4,785	180,108	55,750		48		<4
3	6.7	4.2	5.5	0.470			6,020	75	5.0	1.1	184	1.10	7,256	76	5.0	1.1	184	0.65	4,466	178,080	31,500		65		<4
4	6.2	3.8	5.1	0.457			5,600	75	2.3	1.4	205	1.14	6,848	80	2.2	1.2	205	1.07	5,640	172,968	37,500				
5	6.3	3.0	4.8	0.463			5,932	72	2.3	1.3	225	1.01	7,204	74	2.1	1.1	225	1.16	4,615	180,108	50,250				
6	6.0	3.3	4.7	0.457					2.6	0.5	223				2.4	0.0	223		4,615	175,061	11,000				
7	5.7	3.1	4.6	0.446					2.2	0.0	240				1.3	0.0	240		4,615	167,124	1,250				
8	5.6	2.8	4.5	0.473			6,060	71	2.2	1.5	230	1.11	6,776	89	2.1	0.0	230	1.41	5,359	164,760	51,500		130	230	<4
9	6.8	5.7	4.7	0.468			5,152	85	2.3	1.4	219	1.11	6,472	82	2.2	1.2	219	1.29	5,104	163,387	43,500		100		<4
10	7.5	3.1	5.2	0.465			7,192	61	2.2	1.4	163	1.06	9,064	55	2.2	1.0	163	1.18	6,193	168,840	38,250		130		<4
11	5.4	3.0	4.9	0.446			6,240	64	2.2	1.3	189	1.11	7,424	74	2.1	1.2	189	1.22	7,928	189,300	31,750				
12	5.2	1.2	4.2	0.487			5,036	71	2.3	1.4	252	0.79	6,000	73	2.2	0.9	252	0.89	4,287	171,612	50,750				
13	5.7	2.8	4.2	0.517					4.9	1.2	239				4.2	1.2	239		4,287	175,152	5,250				
14	5.4	2.5	4.0	0.523					2.3	1.4	251				2.2	0.9	251		4,287	165,408	0				
15	7.3	2.8	4.8	0.525			6,176	60	2.3	0.5	233	1.01	6,704	60	2.3	1.0	233	1.07	3,539	91,040	21,790		140	120	<4
16	5.8	3.3	4.7	0.528			4,688	85	2.2	1.4	215	1.11	5,116	90	2.2	1.1	215	1.15	3,845	94,584	51,500		130		<4
17	5.7	3.0	4.6	0.535			5,920	61	2.3	1.0	217	1.10	7,388	57	2.3	1.2	217	0.93	3,454	170,976	65,750		120		<4
18	5.7	3.0	4.5	0.504			6,720	53	2.3	1.4	222	1.02	6,588	59	2.2	0.9	222	0.97	3,386	174,370	44,250				
19	5.4	3.0	4.8	0.537			6,136	57	5.0	0.3	221	1.01	6,892	58	5.0	0.6	221	1.02	3,454	170,976	54,300				
20	5.5	2.8	4.6	0.486					3.5	0.2	203				2.4	0.1	203		3,454	175,152	8,500				
21	6.1	2.8	4.8	0.537					2.2	1.4	230				2.2	1.1	230		3,454	173,004	0				
22	6.1	2.9	4.5	0.538			6,092	57	2.4	1.4	236	0.78	7,488	48	2.2	0.8	236	0.84	3,445	61,025	33,790		100	95	<4
23	7.6	2.5	4.7	0.676			5,896	56	3.6	0.4	215	0.98	7,472	48	3.5	0.5	215	0.80	3,786	150,203	32,000		68		<4
24	5.4	2.6	4.4	0.474			4,508	62	2.2	1.4	231	0.86	6,300	54	2.2	1.1	231	0.91	2,259	138,587	43,550		82		<4
25	6.1	3.0	4.5	0.490			6,052	50	4.5	0.2	226	0.98	8,628	41	3.5	0.0	226	0.98	2,501	144,108	31,000				
26	5.3	2.9	4.4	0.486			5,424	70	2.3	1.3	235	0.43	5,752	61	2.2	1.0	235	0.84	1,621	154,872	41,700				
27	5.8	2.7	4.3	0.480					2.2	1.4	167				2.2	1.1	167		1,621	111,540	6,500				
28	6.2	2.9	4.7	0.477					2.2	1.4	279				2.3	0.9	279		1,621	174,024	0				
29	5.5	2.9	4.6	0.490			5,600	63	2.2	1.3	202	1.04	6,400	63	2.1	1.1	202	1.16	2,807	166,416	36,250		150		<4
30	5.3	2.9	4.4	0.488			4,860	76	2.2	1.4	240	1.10	4,772	94	2.2	1.1	240	1.02	2,705	108,764	36,000		120		<4
Total	182.7	93.4	142.23																117,079	4,695,220	967,630				
Ave.	6.1	3.1	4.74	0.495			5,817	66	2.7	1.1	218	1.03	6,844	67	2.5	0.8	1.01	1.05	3,903	156,507	32,254		103	149	4

June 2015 - No changes this page

	Suspended Solids			Settleable Solids	Turbidity	Chlorine Dose		Chlorine Residual		Chlorine Residual Average	Fecal Coliform	E. Coli	Ammonia			Nitrite			Nitrate			TKN		
	Inf.	Prim Eff.	Final Eff.	Eff.	Eff.			high	low				Inf.	Prim Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim Eff.	Final Eff.
Units	mg/l			ml/l	NTU	lbs	mg/l	mg/l		mg/l	#/100ml	#/100ml	mg/l			mg/l			mg/l			mg/l		
Freq.	3/week			Wk Day	Wk Day	4/Work Day		4/work day		4/wk day	3/week	See table A of permit	3/week	Mthly	3/wk	Monthly			Monthly			Monthly		
1	58	130	<5	0.0	14.9	70.21	1.45	0.050	0.000	0.025			16.50	23.3	0.06	0.020	0.020	<0.010	<0.02	<0.02	2.620	22.30	33.70	1.170
2	46		<5	0.0	1.4	66.83	1.25	0.030	0.000	0.008	440		14.30		0.12	0.010		<0.010	<0.02		2.320	19.50		1.040
3	46		<5	0.0	6.0	57.76	1.26	0.040	0.010	0.025	890		15.20		0.14	0.010		<0.010	<0.02		2.600	21.00		1.060
4				0.0	1.3	67.06	1.57	0.040	0.000	0.022	10													
5				0.0	4.4	67.95	1.68	0.040	0.000	0.013	<10													
6						65.56	1.68	0.040	0.000	0.013														
7						74.08	1.95	0.030	0.000	0.015														
8	200	300	<5	0.0	1.5	73.28	1.96	0.050	0.000	0.017			21.10		0.09	0.010		<0.010	<0.02		2.780	33.30		0.970
9	140		<5	0.0	1.8	65.83	1.67	0.050	0.000	0.030	50		20.00		0.14	0.020		<0.010	<0.02		2.590	29.60		1.230
10	150		<5	0.0	1.3	72.96	1.67	0.050	0.000	0.020	10		18.30		0.13	0.020		<0.010	<0.02		3.140	26.60		0.940
11				0.0	1.4	58.78	1.43	0.050	0.000	0.023	<10													
12				0.0	1.4	57.23	1.62	0.050	0.000	0.016														
13						59.27	1.69	0.040	0.000	0.010														
14						63.11	1.91	0.050	0.000	0.018														
15	290	130	<5	0.0	2.9	71.52	1.78	0.050	0.020	0.040	20		20.30		0.16	0.020		<0.010	<0.02		3.390	33.30		1.290
16	190		<5	0.0	1.8	78.92	2.00	0.050	0.030	0.040	30		18.40		0.19	0.020		<0.010	<0.02		3.480	35.20		0.610
17	200		<5	0.0	2.0	83.11	2.18	0.030	0.000	0.015	<10		19.00		<0.05	0.010		<0.010	<0.02		3.230	30.70		1.460
18				0.0	1.7	76.71	2.03	0.050	0.000	0.028	<10													
19				0.0	2.1	81.76	2.06	0.050	0.000	0.022														
20						86.87	2.26	0.020	0.000	0.003														
21						87.50	2.17	0.010	0.000	0.002														
22	210	83	<5	0.0	1.9	84.52	2.26	0.040	0.000	0.028			18.80		0.09	0.020		<0.010	<0.02		3.430	32.60		0.630
23	54		<5	0.0	2.0	81.25	2.06	0.020	0.000	0.008	40		21.80		0.07	0.020		<0.010	<0.02		3.630	28.30		1.020
24	59		<5	0.0	2.2	78.80	2.16	0.050	0.000	0.010	0		18.50		0.08	0.020		<0.010	<0.02		3.150	25.10		1.240
25				0.0	2.6	77.53	2.05	0.040	0.000	0.025	10													
26				0.0	2.5	81.69	2.24	0.040	0.000	0.017														
27						82.97	2.29	0.040	0.000	0.007														
28						87.29	2.21	0.030	0.000	0.005														
29	210		<5	0.0	2.0	87.59	2.28	0.050	0.000	0.022	10		17.00		0.12	0.020		<0.010	<0.02		1.850	29.20		0.650
30	180		<5	0.0	2.6	81.71	2.22	0.050	0.010	0.035	60		16.10		0.11	0.020		<0.010	<0.02		2.020	27.20		0.880
Total																								
Ave.	145	161	5	0.0	2.8	74.32	1.90	0.041	0.002	0.019	27		18.24	23.3	0.11	0.017	0.020	0.010	0.02	0.02	2.874	28.14	33.70	1.014

June 2015 - Total P added -

	Total N			Total N	Low D.O.	pH		Total P			Total P	Ortho P			Temp.		Arsenic		Copper	Nickel		Selenium	
	Inf.	Prim. Eff.	Final Eff.	Eff.	Eff.	Inf.	Eff.	Inf.	Prim. Eff.	Final Eff.	Eff.	Inf.	Prim. Eff.	Final Eff.	Inf.	Eff.	Inf.	Eff.	Eff.	Inf.	Eff.	Inf.	Eff.
Units	mg/l			lb/d	mg/l	S.U.		mg/l			lb/d	mg/l			F		mg/l		mg/l	kg/day		kg/day	
Freq.	Monthly			Mthly	4/wk day	Work Day		Nov-March (Monthly) (April-October) 2/week			Apr - Oct	Nov-March (Monthly) (April - October) 2/week			Work day		Weekly		Mthly	Weekly		Weekly	
1	22.3	33.7	3.8	184	7.0	7.3	6.9	2.51		11.40	551	1.44		11.70	67	76	<0.0040	0.008	0.008	0.11	0.28	0.11	0.11
2	19.5		3.4	181	7.2	7.2	6.8			9.70	519			10.00	64	77							
3	21.0		3.7	170	7.1	7.2	6.8								66	77							
4					7.2	7.2	6.8								65	78							
5					7.2	7.2	6.9								65	78							
6															65								
7															65								
8	33.3		3.8	143	6.7	7.3	6.7			9.70	363			8.45	65	80	<0.0040	0.005		0.10	0.17	0.08	0.12
9	29.6		3.8	149	6.4	7.2	6.7			10.40	409			10.40	65	80							
10	26.6		4.1	178	6.4	7.2	6.7								65	81							
11					6.9	7.1	6.7								67	81							
12					6.7	7.3	6.7								65	82							
13																							
14																							
15	33.3		4.7	188	6.2	7.2	6.7			11.40	459			12.00	65	84	<0.0040	0.006		0.14	0.20	0.09	0.07
16	35.2		4.1	161	6.6	7.3	6.7			11.40	451			10.70	65	78							
17	30.7		4.7	180	6.8	7.3	6.8								68	80							
18					7.5	7.2	6.8								68	80							
19					6.7	7.3	6.7								68	81							
20																							
21																							
22	32.6		4.1	154	6.9	7.4	6.7			10.30	386			10.90	69	82	<0.0040	0.004		0.28	0.18	0.08	0.07
23	28.3		4.7	184	7.0	7.3	6.8			10.30	407			10.40	70	81							
24	25.1		4.4	161	7.2	7.3	6.8								70	80							
25					6.6	7.0	6.8								68	83							
26					6.8	7.4	6.9								71	83							
27																							
28																							
29	29.2		2.5	96	6.4	7.3	6.8			8.59	330				67	83							
30	27.2		2.9	106	6.5	7.3	6.8			8.29	306				68	83							
Total																							
Ave.	28.2	33.7	3.9	160	6.8	7.3	6.8	2.51		10.15	418	1.44		10.57	66.9	80.3	0.0040	0.0058	0.008	0.16	0.21	0.09	0.09

	Zinc		Alkalinity	
			Pri. Eff.	
	Inf.	Eff.		Eff.
Units	kg/day		mg/l	
Freq.	Weekly		Monthly	
1	2.06	1.052	100	30
2			100	60
3			120	60
4			130	50
5			110	60
6				
7				
8	2.76	0.731	110	40
9			80	50
10			130	50
11			110	40
12			110	50
13				
14				
15	3.48	0.983	140	30
16			130	60
17			120	40
18			110	50
19			120	60
20				
21				
22	3.69	1.013	120	40
23			140	50
24			120	70
25			110	50
26			120	80
27				
28				
29			120	50
30			140	60
Total				
Ave.	3.00	0.945	118	51

Sludge Disposal Location:

Please return forms to:

DEEP - Water Bureau

ATTN: Municipal Wastewater Monitoring Coordinator

Municipal Facilities

79 Elm Street

Statement of Acknowledgement

I certify under pentalty 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: John Batorski

Date: 8-10-15

Revised 8-10-15 to include Total P from page 3.

Nutrient Analysis Report

For compliance with General Permit for Nitrogen Discharges

Facility Name: NAUGATUCK TREATMENT Co.
Permit Number: CT0100641

Month: Jul-15
Design Flow: 10.3 MGD

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	7/1/2015	4.42	1.12	2.77	3.9	144
NAUGATUCK TRE	7/6/2015	4.58	1.03	2.61	3.6	138
NAUGATUCK TRE	7/7/2015	4.28	0.9	2.95	3.9	139
NAUGATUCK TRE	7/8/2015	4.97	0.83	3.01	3.8	158
NAUGATUCK TRE	7/13/2015	3.67	0.85	2.83	3.7	113
NAUGATUCK TRE	7/14/2015	4.46	0.83	2.31	3.1	115
NAUGATUCK TRE	7/15/2015	4.64	2.3	2.67	5	193
NAUGATUCK TRE	7/20/2015	4.33	0.8	3.01	3.8	137
NAUGATUCK TRE	7/21/2015	4.26	0.68	2.86	3.5	124
NAUGATUCK TRE	7/22/2015	4.52	1.5	3.03	4.5	170
NAUGATUCK TRE	7/27/2015	4.46	0.92	3.41	4.3	160
NAUGATUCK TRE	7/28/2015	4.67	0.76	3.53	4.3	167
NAUGATUCK TRE	7/29/2015	4.53	1.3	3.91	5.2	196
					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
					0	0
					Total Pounds	1954
					Average Pounds	150.3076923

Date of Last Calibration of Flow Meter: 7/2/2015

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
8-10-15
John Bilak

DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	From 07/01/15 to 07/31/15	**DMR Due Date:**	08/15/15	**Status:**	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

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

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	W - See Comments	0	--	Sample										=	66	15 - deg F		01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.											Req Mon INST MAX	15 - deg F		01/60 - Once Every 2 Months	GR - GRAB
					Value NODI															
00056	Flow rate	1 - Effluent Gross	0	--	Sample	=	5.9	=	9.6	03 - MGD									99/99 - Continuous	TM - TOTALZ
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	TM - TOTALZ
					Value NODI															
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	5.5					19 - mg/L		01/01 - Daily	GR - GRAB
					Permit Req.						>=	5 INST MIN					19 - mg/L		01/01 - Daily	GR - GRAB
					Value NODI															
00310	BOD, 5-day, 20 deg. C	T - See Comments	0	--	Sample										=	4	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.5			=	6.9	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 INST MIN			<=	9 INST MAX	12 - SU		01/01 - Daily	GR - GRAB
					Value NODI															
00400	pH	S - See Comments	0	--	Sample						=	5.88			=	6.11	12 - SU		01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MIN				Req Mon INST MAX	12 - SU		01/60 - Once Every 2 Months	GR - GRAB
					Value NODI															
00400	pH	W - See Comments	0	--	Sample						=	3.6			=	3.6	12 - SU		01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MIN				Req Mon INST MAX	12 - SU		01/60 - Once Every 2 Months	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	5	=	5	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	207.7			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.									Req Mon MO AVG			19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Value NODI															
																				CP -

Sent electronically 8-10-15
John Batoraki

00530 Solids, total suspended	T - See Comments	0	--	Sample					=	5	19 - mg/L	01/90 - Quarterly	COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.2					19 - mg/L	03/07 - Three Per Week	CP - COMPOS
				Permit Req.	<=	4 MO AVG					19 - mg/L	03/07 - Three Per Week	CP - COMPOS
				Value NODI									
00610 Nitrogen, ammonia total [as N]	T - See Comments	0	--	Sample					=	0.07	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00615 Nitrogen, nitrite total [as N]	T - See Comments	0	--	Sample					=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00620 Nitrogen, nitrate total [as N]	T - See Comments	0	--	Sample					=	2.93	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00665 Phosphorus, total [as P]	T - See Comments	0	--	Sample					=	0.34	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00720 Cyanide, total [as CN]	T - See Comments	0	--	Sample					=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
00722 Cyanide, free [amen. to chlorination]	T - See Comments	0	--	Sample					=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
01002 Arsenic, total [as As]	1 - Effluent Gross	0	--	Sample	=	0.007			=	0.006	19 - mg/L	01/07 - Weekly	CP - COMPOS
				Permit Req.		Req Mon MO AVG				Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS
				Value NODI									
01002 Arsenic, total [as As]	C - Raw Sewage Influent	0	--	Sample					=	0	19 - mg/L	01/07 - Weekly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS
				Value NODI									
01002 Arsenic, total [as As]	S - See Comments	0	--	Sample					=	3.4	69 - mg/kg	01/00 - Once Every 2 Months	GR - GRAB
				Permit Req.						Req Mon INST MAX	69 - mg/kg	01/00 - Once Every 2 Months	GR - GRAB
				Value NODI									
01002 Arsenic, total [as As]	T - See Comments	0	--	Sample					=	0.000	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.						Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI									
01002 Arsenic, total [as As]	W - See Comments	0	--	Sample					=	0.08	19 - mg/L	01/00 - Once Every 2 Months	GR - GRAB
				Permit Req.						Req Mon INST MAX	19 - mg/L	01/00 - Once Every 2 Months	GR - GRAB
				Value NODI									
01012 Beryllium, total [as Be]	S - See Comments	0	--	Sample					=	0.4	69 - mg/kg	01/00 - Once Every 2 Months	GR - GRAB
				Permit Req.						Req Mon INST MAX	69 - mg/kg	01/00 - Once Every 2 Months	GR - GRAB
				Value NODI									

01012 Beryllium, total [as Be]	T - See Comments	0	–	Sample				=	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01012 Beryllium, total [as Be]	W - See Comments	0	–	Sample				=	0	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI								
01027 Cadmium, total [as Cd]	T - See Comments	0	–	Sample				=	0.0001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01027 Cadmium, total [as Cd]	W - See Comments	0	–	Sample				=	0.01	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI								
01032 Chromium, hexavalent [as Cr]	T - See Comments	0	–	Sample				=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01034 Chromium, total [as Cr]	T - See Comments	0	–	Sample				=	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01034 Chromium, total [as Cr]	W - See Comments	0	–	Sample				=	0.02	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI								
01042 Copper, total [as Cu]	1 - Effluent Gross	0	–	Sample	=	0.012		=	0.012	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Permit Req.			Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	CP - COMPOS
				Value NODI								
01042 Copper, total [as Cu]	T - See Comments	0	–	Sample				=	0.006	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01042 Copper, total [as Cu]	W - See Comments	0	–	Sample				=	1.59	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI								
01045 Iron, total [as Fe]	T - See Comments	0	–	Sample				=	0.03	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01045 Iron, total [as Fe]	W - See Comments	0	–	Sample				=	6.83	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI								
01051 Lead, total [as Pb]	T - See Comments	0	–	Sample				=	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Permit Req.					Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI								
01051 Lead, total [as Pb]	W - See Comments	0	–	Sample				=	0.05	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Permit Req.					Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value								

				NODI												
				Sample							=	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01059 Thallium, total [as Tl]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample	=	0.10	=	0.23	01 - kg/d					01/07 - Weekly	CP - COMPOS
01067 Nickel, total [as Ni]	1 - Effluent Gross	0	--	Permit Req.	<=	2.14 MO AVG	<=	3.94 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample			=	1.07	01 - kg/d					01/07 - Weekly	CP - COMPOS
01067 Nickel, total [as Ni]	G - Raw Sewage Influent	0	--	Permit Req.				Req Mon DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample							=	0.007	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01067 Nickel, total [as Ni]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample							=	0.04	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
01067 Nickel, total [as Ni]	W - See Comments	0	--	Permit Req.								Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI											
				Sample							=	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01077 Silver, total [as Ag]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample	=	1	=	1.15	01 - kg/d					01/07 - Weekly	CP - COMPOS
01092 Zinc, total [as Zn]	1 - Effluent Gross	0	--	Permit Req.	<=	3.79 MO AVG	<=	5.68 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample			=	20.00	01 - kg/d					01/07 - Weekly	CP - COMPOS
01092 Zinc, total [as Zn]	G - Raw Sewage Influent	0	--	Permit Req.				Req Mon DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS
				Value NODI											
				Sample							=	0.04	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01092 Zinc, total [as Zn]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample							=	2.07	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
01092 Zinc, total [as Zn]	W - See Comments	0	--	Permit Req.								Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI											
				Sample							=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01097 Antimony, total [as Sb]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample							=	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01105 Aluminum, total [as Al]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
				Value NODI											
				Sample							=	10.8	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
01105 Aluminum, total [as Al]	W - See Comments	0	--	Permit Req.								Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
				Value NODI											
				Sample	=	0.05	=	0.07	01 - kg/d					01/07 - Weekly	CP - COMPOS
01147 Selenium, total [as Se]	1 - Effluent Gross	0	--	Permit Req.	<=	35 MO AVG	<=	75 DAILY MX	01 - kg/d					01/07 - Weekly	CP - COMPOS

				Value NODI												
				Sample	=	0.09	01 - kg/d								01/07 - Weekly	CP - COMPOS
01147	Selenium, total [as Se]	C - Raw Sewage Influent	0	--	Permit Req.		Req Mon MO AVG	01 - kg/d							01/07 - Weekly	CP - COMPOS
					Value NODI											
					Sample							=	1.0	03 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
01147	Selenium, total [as Se]	S - See Comments	0	--	Permit Req.								Req Mon INST MAX	03 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											
					Sample							=	0	19 - mg/L	01/90 - Quarterly	CP - COMPOS
01147	Selenium, total [as Se]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI											
					Sample							=	0	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
01147	Selenium, total [as Se]	W - See Comments	0	--	Permit Req.								Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											
					Sample											
39516	Polychlorinated biphenyls [PCBs]	S - See Comments	0	--	Permit Req.								Req Mon INST MAX	60 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI								B - Below Detection Limit/No Detection			
					Sample							=	0.02	19 - mg/L	01/90 - Quarterly	CP - COMPOS
40000	Phenols	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI											
					Sample				=	0.02	=	0.04	19 - mg/L	04/01 - Four Per Day	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.					Req Mon MO AVG	<=	.06 DAILY MX	19 - mg/L	04/01 - Four Per Day	GR - GRAB
					Value NODI											
					Sample							=	0.02	19 - mg/L	01/90 - Quarterly	CP - COMPOS
50060	Chlorine, total residual	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI											
					Sample											
51040	E. coli	1 - Effluent Gross	0	--	Permit Req.				<=	126 AVERAGE	<=	410 INST MAX	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
					Value NODI					9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period				
					Sample		=	24.3						23 - %	01/60 - Once Every 2 Months	GR - GRAB
70318	Solids, total, percent	S - See Comments	0	--	Permit Req.			Req Mon INST MIN						23 - %	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											
					Sample		=	22.3						23 - %	01/60 - Once Every 2 Months	GR - GRAB
70319	Solids, fixed, % of total solids	S - See Comments	0	--	Permit Req.			Req Mon INST MIN						23 - %	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											
					Sample		=	77.6						23 - %	01/60 - Once Every 2 Months	GR - GRAB
70322	Solids, volatile % of total solids	S - See Comments	0	--	Permit Req.			Req Mon INST MIN						23 - %	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											
					Sample							=	0.0002	19 - mg/L	01/90 - Quarterly	CP - COMPOS
71900	Mercury, total [as Hg]	T - See Comments	0	--	Permit Req.								Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI											
					Sample							=	0.0025	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
71900	Mercury, total [as Hg]	W - See Comments	0	--	Permit Req.								Req Mon INST MAX	19 - mg/L	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI											

74055	Coliform, fecal general	1 - Effluent Gross	0	–	Sample				=	51	=	69.5	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
					Permit Req.				<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB
					Value NODI										
78467	Zinc, dry weight	S - See Comments	0	–	Sample						=	882	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78468	Lead, dry weight	S - See Comments	0	–	Sample						=	71	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78469	Nickel, dry weight	S - See Comments	0	–	Sample						=	31.7	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78471	Mercury, dry weight	S - See Comments	0	–	Sample						=	2.05	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78473	Chromium, dry weight	S - See Comments	0	–	Sample						=	71.4	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78475	Copper, sludge, tot, dry weight [as Cu]	S - See Comments	0	–	Sample						=	673	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
78476	Cadmium, sludge, tot dry weight [as Cd]	S - See Comments	0	–	Sample						=	2.42	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Permit Req.							Req Mon INST MAX	69 - mg/kg	01/60 - Once Every 2 Months	GR - GRAB
					Value NODI										
80126	BOD, carbonaceous [5 day, 5 C]	1 - Effluent Gross	1	–	Sample				=	4	=	4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Permit Req.				<=	15 MO AVG	<=	25 DAILY MX	19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI										
80126	BOD, carbonaceous [5 day, 5 C]	G - Raw Sewage Influent	0	–	Sample				=	165.38			19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Permit Req.					Req Mon MO AVG			19 - mg/L	03/07 - Three Per Week	CP - COMPOS
					Value NODI										
80126	BOD, carbonaceous [5 day, 5 C]	T - See Comments	0	–	Sample						=	4	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Permit Req.							Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	CP - COMPOS
					Value NODI										
81011	Solids, suspended percent removal	K - Percent Removal	0	–	Sample	=	98.1						23 - %	03/07 - Three Per Week	CA - CALCTD
					Permit Req.	>=	85 MN % RMV						23 - %	03/07 - Three Per Week	CA - CALCTD
					Value NODI										
81383	Carbonaceous oxygen demand, % removal	K - Percent Removal	0	–	Sample	=	98						23 - %	03/07 - Three Per Week	CA - CALCTD
					Permit Req.	>=	85 MN % RMV						23 - %	03/07 - Three Per Week	CA - CALCTD
					Value NODI										
TDA3D	Nocal Static 48Hr Acute D. Pulex	T - See Comments	0	–	Sample	=	100						27 - % survival	01/90 - Quarterly	CP - COMPOS
					Permit Req.	>=	90 MINIMUM						27 - % survival	01/90 - Quarterly	CP - COMPOS
					Value NODI										

TDA6C Noeal Static 48Hr Acute Pimephales	T - See Comments	0	--	Sample	=	100		2T - % survival	01/00 - Quarterly	CP - COMPOS
				Permit Req. Value NODI	>=	90 MINIMUM		2T - % survival	01/00 - Quarterly	CP - COMPOS

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

NAUGATUCK WPCF

User:	John.Batorski@Veoliawaterna.com	Date/Time:	2015-08-10 09:20 (Time Zone: -04:00)
Name:	John Batorski		
E-Mail:	John.Batorski@Veoliawaterna.com		

VEOLIA
WATER

Sent Certified R.R.R. mail #7014 1200 0002 2236 9739 on July 27, 2015

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

July 27, 2015

Re: Aquatic Toxicity Monitoring Report, 3rd Quarter 2015

To Whom It May Concern:

Enclosed please find the Naugatuck third quarter Aquatic Toxicity Monitoring Report for 2015.

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

New England Bioassay, a Division of GZA GeoEnvironmental, Inc.
www.nebio.com

Aquatic Toxicity Monitoring Report (ATMR)
Instruction Form -Municipal

Client Name/Project: Phoenix - Naugatuck Test Date: 7/9/15

Sample ID: BJ 43185

New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

77 Batson Drive
Manchester, CT
06042
860-643-9560
FAX 860-646-7169

Your results were as follows:

☒ Pass

☐ Fail – **Retesting is required within 30 days.** Please proceed according to the instructions in the "Recording and Reporting of Violations" Section of your permit.

☐ Invalid – **Retesting is required within 30 days.** Please proceed according to the instructions in the "Recording and Reporting of Violations" Section of your permit.

☐ Unable to determine using the information available. Please compare results to your permit limits. Please submit a current copy of your permit to the New England Bioassay Laboratory so that we may accurately determine the status of your test results in the future and so that we can confirm that test protocols comply with your permit requirements.

Please complete the items on this bulleted list prior to submission of these data to the CTDEEP:

- Complete Part 3 of the ATMR, including the sample day's flow.
- An authorized official from your facility must sign Part 1 of the ATMR.
- Complete the facility and sample collection section at the top of all pages of the ATMR.

Please detach this instruction form and the Chain-of-Custody and keep for your records. File the complete ATMR as follows:

- The complete ATMR (Parts 1, 2, 2S and 3) must be sent to the Bureau of Water Management at the following address:

  ATTN: Municipal Wastewater Monitoring Coordinator
  Connecticut Department of Energy and Environmental Protection
  Bureau of Water Protection and Land Reuse, Planning Standards Division
  79 Elm St.
  Hartford, CT 06106-5127

- The results of chemical analyses (copied from the ATMR Part 3) and aquatic toxicity tests (Pass or Fail, not % survival) must be entered on the Discharge Monitoring Report (DMR), and the DMR must be received at the above address.

Questions? Please contact Kim Wills, Lab Manager at (860) 858-3153 or kimberly.wills@gza.com

NEW ENGLAND BIOASSAY

ATMR COVER SHEET

CLIENT:	**Phoenix Environmental Laboratories**	***D.pulex* TEST ID #:**	15-948a
ADDRESS:	587 East Middle Turnpike	***P.promelas* TEST ID #:**	15-948b
	P.O. Box 370	**COC #:**	C35-2550
	Manchester, CT 06040	**PROJECT #:**	05.0044745.00
SAMPLE:	Naugatuck WPCF	**RECEIVED ON:**	7/9/15

LABORATORY CONTROL WATER

NEB Lot #:	A35-S007	SRCF
Hardness:	46	mg/L as $CaCO_3$
Alkalinity:	30	mg/L as $CaCO_3$

SAMPLE COLLECTION INFORMATION

DATE(s):	7/7/15 TO 7/8/15
TIME(s):	1:20AM TO 12:45AM

INITIAL CHEMISTRY DATA			TECHNICIAN INITIALS:		MV
Color	Light Yellow	Temp. (°C)	5.6	Hardness (mg/L)	112
Cond. (µmhos/cm)	868	D.O.(mg/L)	9.3	Alkalinity (mg/L)	40
Salinity (ppt)	<1	pH (su)	7.1	TRC (mg/L)	0.032

INVERTEBRATE

Test Set Up Technician Initials:	CW		
Test Type:	Screen		
Test Species:	*Daphnia pulex*		
Source:	New England Bioassay		
NEB Lot#:	Dp15(7-9)		
Age:	<24 Hours		
Test Solution Volume:	30 ml		
# Organisms/Test Chamber:	10		
# Organisms/Concentration:	50		
# Organisms/Control:	30		
START DATE:	7/9/15	AT	1251
END DATE:	7/11/15	AT	1151

VERTEBRATE

Test Set Up Technician Initials:	CW		
Test Type:	Screen		
Test Species:	*Pimephales promelas*		
Source:	New England Bioassay		
NEB Lot#:	Pp15(6-27) 1400		
Age:	12	(1-14)Days	
Test Solution Volume:	700 ml		
# Organisms/Test Chamber:	10		
# Organisms/Concentration:	50		
# Organisms/Control:	30		
START DATE:	7/9/15	AT	1237
END DATE:	7/11/15	AT	1137

TEST SET UP CONDUCTIVITIES

D.p Control	174	µmhos/cm	*P.p* Control	174	µmhos/cm
100%	865	µmhos/cm	100%	865	µmhos/cm

RESULTS OF *Daphnia pulex* Screening Test

Control:	100.0	%	100%	100	%
Replicate A:	100	%			
Replicate B:	100	%			
Replicate C:	100	%			

RESULTS OF *Pimephales promelas* Screening Test

Control:	100.0	%	100%	100	%
Replicate A:	100	%			
Replicate B:	100	%			
Replicate C:	100	%			

COMMENTS:

REVIEWED BY: DATE: 7/22/15

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): 7/7/15 To 7/8/15

Sample Collection Time (s): 1:20am To 12:45am

TOXICITY TEST SUMMARY (PASS/FAIL)

CONTROL SAMPLE RESULTS (% SURVIVAL)

TEST SPECIES	REPLICATE I	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 DEEP.

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: 7-27-15

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 2

Facility Name:	Borough of Naugatuck WPCF	NPDES ID:	CT0100641 DSN-001-1
Dilution Water:	Soft Reconstituted Freshwater (SRCF)	Hardness:	50 ± 5
Sample Collected On:	7/7/15 (date)	Sample Received On:	7/9/15 (date)

Test Species:	*Daphnia pulex*	Source:	New England Bioassay	Age:	<24 hours
Test Duration:	48 hours	Beginning:	1251	On:	7/9/15 (date)
		Ending:	1151	On:	7/11/15 (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)		
Tech Initials	CW	MV	PD	CW	MV	PD	CW	MV	PD	CW	MV	PD
Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	9.3	9.2	8.9	20	19	20	6.8	7.5	7.5
100% B	10	10	10			8.8			20			7.5
100% C	10	10	10			8.9			20			7.5
100% D	10	10	10			8.8			20			7.5
100% E	10	10	10			8.8			20			7.5
Control 1	10	10	10	8.7	9.0	8.8	20	19	20	7.2	7.3	7.6
Control 2	10	10	10			8.9			20			7.6
Control 3	10	10	10			8.9			20			7.6

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	LC50
Daphnia pulex	7/1/15	Copper Nitrate Lot #15-0128-008	NEB	3.05 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 New England Bioassay	Title:	Laboratory Manager
Signature:	[illegible]	Date:	7/22/15

AQUATIC TOXICITY MONITORING REPORT (ATMR) - PART 2

Facility Name:	Borough of Naugatuck WPCF	NPDES ID:	CT0100641 DSN-001-1
Dilution Water:	Soft Reconstituted Freshwater (SRCF)	Hardness:	50 ± 5
Sample Collected On:	7/7/15 (date)	Sample Received On:	7/9/15 (date)

Test Species:	*Pimephales promelas*	Source:	New England Bioassay	Age:	12 (days)
Test Duration:	48 hours	Beginning:	1237	On:	7/9/15 (date)
		Ending:	1137	On:	7/11/15 (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)		
Tech Initials	CW	MV	PD	CW	MV	PD	CW	MV	PD	CW	MV	PD
Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	9.3	7.8	7.8	20	19	20	6.8	7.2	7.2
100% B	10	10	10		7.7	7.4		19	20		7.2	7.2
100% C	10	10	10		7.8	7.8		19	20		7.2	7.2
100% D	10	10	10		7.8	7.8		19	20		7.2	7.2
100% E	10	10	10		7.8	7.8		19	20		7.2	7.2
Control 1	10	10	10	8.7	8.2	8.0	20	19	20	7.2	7.4	7.5
Control 2	10	10	10		8.2	7.9		19	20		7.4	7.5
Control 3	10	10	10		8.1	7.8		19	20		7.4	7.4

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	LC50
Pimephales promelas	7/1/15	Copper Nitrate Lot #15-0128-008	NEB	135.9 µg/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:		Date:	7/22/15

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):	7/7/15 To 7/8/15		
Sample Collection Time(s):	1:20am To 12:45am		

Effluent Sample At Arrival

Parameter		Effluent Sample
	Tech Initials	MV
	Date & Time	7/9/15 @ 0930
Temperature (° C)		5.6
pH (standard units)		7.1
Alkalinity (mg/L)		40
Conductivity (µS)		868
Hardness(mg/L)/Salinity (ppt)		112 / <1
Color		Light Yellow
TRC (mg/L)		0.032

100% Test Sample

Parameter		*Daphnia pulex*		*Pimephales promelas*	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		MV	PD	MV	PD
Conductivity (µS)		865	869	865	869
Alkalinity (mg/L)		40	40	40	40
Hardness (mg/L)/Salinity (ppt)		112 / <1	124 / <1	112 / <1	122 / <1
TRC (mg/L)		0.032	<0.02	0.032	<0.02

0% Test Sample (Control)

Parameter		*Daphnia pulex*		*Pimephales promelas*	
	Hours	Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		MV	PD	MV	PD
Conductivity (µS)		174	175	174	180
Alkalinity (mg/L)		30	35	30	35
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 Name/Official: Kimberly Wills, New England Bioassay — Title: Laboratory Manager

Signature: [signature] — Date: 7/22/15

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	0.006
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	<0.001
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	0.038
Each Test	001 T	mg/L	ANTIMONY, Total		<0.005
Each Test	001 T	mg/L	SELENIUM, Total	0.005 mg/L	0.004
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: 7-23-2015

FOR OFFICIAL USE ONLY:

AQUATIC TOXICITY: *Daphnia pulex* TGA3D

AQUATIC TOXICITY: *Pimephales promelas* TGA6C

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

NPDES Permit:	CT0100641	Exp:	~~8/7/06~~ 8/20/19 John Batarski	Phone[1]:	(203) 723-1433
Facility:	Naugatuck WPCF	Contact:	~~James McGrath~~	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 Batarski	Title:	Plant Manager
Signature:	[signature]	Date:	7-27-15

Sample Date: 7-7-15 Sample Day's Flow: 4.28 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		0.07
Each Test	001 T	mg/L	NITRITE, as N		<0.01
Each Test	001 T	mg/L	NITRATE, as N		2.93
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	0.006
Each Test	001 T	mg/L	CADMIUM, Total	0.0005 mg/L	<0.0001
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:
[x] Email:

Customer: NES
Address:

Project:
Report to: Dan L
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: Aquatic - Hatch; Cube

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Aquatic - Hatch	Cube	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) 1oz	GL Soil container ( ) 1oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	FL As is [ ] 250ml [ ] 500ml [ ] 1000ml	FL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
C35-2548	BJ 42727	WW	7-8-15	7:00	X					1						
	U Conn															
	BJ 42902	WW	7-8-15	8:00	X					1						
C35-2549	West Haven															
	BJ 43185	WW	7-7-15	—	X					1						
C35-2550	Naugatuck															

Relinquished by:	Accepted by:	Date:	Time:
Chapman	[signature]	7-9-15	0925
[signature]	[signature]	7-9-15	0930

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
* SURCHARGE APPLIES

State where samples were collected: CT

Cooler: Yes [✓] No [ ]
Coolant: IPK [✓] ICE [ ] No [ ]

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

Temp | °C Pg of

Data Delivery:
[ ] Fax #:
[✓] Email: tom.deller@veolia.com

Customer: Veolia Water, NA
Address: 500 Cherry St Ext
Naugatuck, Ct 06770
Attn: Tom Deller

Project: Naugatuck
Report to: Tom Deller
Invoice to: 3rd Qtr 2015 ATMR
Phone #: 203-723-1433 ext 2004
Fax #: 203-723-8539

Project P.O: 3rd Qtr 2015 ATMR

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: T-Deller Date: 7-8-15

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

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Aquatic Toxicity	Aluminum, Antimony, Arsenic, Beryllium	BOD5, CBOD5, Cadmium, Hex Chromium	Chromium, Total CL2 Residual	Copper, Cyanide, Amenable	Cyanide, Total	Iron, Lead, Mercury, Nickel, NH3, NO2	NO3, Phenols, Total Phosphorus	Selenium, Silver, TSS, Thallium	Zinc, NOAEL Static 48hr Acute D Pulex	NOAEL Static 48hr Acute Pimephales		Cube	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [X] H2SO4	PL As is [ ] 250ml [X] 500ml [X] 1000ml	PL H2SO4 [X] 250ml [X] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
43185	Effluent	WW	7/7/2015	24hr	X	X	X	X	X	X	X	X	X	X	X		X				X	X	X	X	X	

Relinquished by:	Accepted by:	Date:	Time:
T-Deller		2015/7/8	12:56
	T. Connolly	7-8-15	15:39

Comments, Special Requirements or Regulations:

3rd Qtr 2015 ATMR

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

State where samples were collected: CT

Data Format
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

VEOLIA
WATER

Sent via Certified R.R.R. Mail # 7009 2820 0004 1018 1580 on July 22, 2015

July 22, 2015

EPA Region 7
ATTN: Biosolids Center
WWPD/WENF
11201 Renner Boulevard
Lenexa, Kansas 66219

Subject: 2015 - H1 Semi-Annual EPA Summary Report for the Naugatuck, CT. POTW

Dear Sir/Madam:

Enclosed please find the Title V Semi-Annual EPA Summary Report for the first half of calendar year 2015.

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

Sincerely,

John Batorski
Plant Manager
Veolia Water North America

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

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 1200 0002 2236 9722 on July 22, 2015

July 22, 2015

Connecticut Department of Environmental Protection
Bureau of Air Management
Compliance Analysis & Coordination Unit
79 Elm Street, 5th Floor
Hartford, CT 06106-5127

Subject: Title V Semi-Annual Monitoring Report Jan 1, 2015 to June 30, 2015.

Dear Sir/Madam:

Enclosed you will find a copy of the above referenced report that was sent to EPA. There were no exceptions to the attached report.

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

SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE1

POLLUTANT: LOW OVERALL DP
SOURCE: FB Incinerator
CEMS ID: 1234567

DATE CREATED: 07/21/2015 @ 08:39
PERIOD: 01/01/2015 - 06/30/2015

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

EMISSION LIMITATION: 8.0 ("WC) LIMIT

MONITOR MANUF / MODEL #: Rosemount
LATEST CMS AUDIT: 06/29/2015
PROCESS UNIT(S) DESC: EMU 52

Total source operating time in reporting period: 4043.98 Hours

Emission Data Summary (1)		CMS Performance Summary (1)	
1. Duration of excess emissions in reporting period due to		1. CMS Downtime in reporting period due to	
a. Startup/shutdown	6.17	a. Monitor equipment malfunctions	0.00
b. Control equipment problems	0.00	b. Non-monitor equipment malfunctions	0.00
c. Process problems	0.00	c. Quality assurance calibration	0.00
d. Other known causes	2.60	d. Other known causes	0.00
e. Unknown causes	0.00	e. Unknown causes	0.00
2. Total duration of excess emissions	8.77	2. Total CMS Downtime	0.00
3. % of source operating time (2)	0.2%	3. % of source operating time (2)	0.0%

Notes:
(1) For opacity record all times in minutes. For gases record all times in hours.
(2) For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time both the summary report form and the excess emission report described in 60.7(c) shall be submitted.
On a separate page describe any changes since last quarter in CMS process or controls.
I certify that the information contained in this report is true accurate and complete.

Name: John Bartorski

Signature: John Bartorski

Title: Plant Manager

Date: 7-22-15

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID: 1234567
DATE CREATED: 07/21/2015 @ 08:39
PERIOD: 01/01/2015 - 06/30/2015 11:00:00 PM

EXCESS EMISSION PERIODS: LOW OVERALL DP >15-MIN ("wc)

DATE	START TIME	END TIME	DURATION	AVERAGE VALUE	HI/LOW VALUE	SETPOINT	DIFFERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
02/06/2015	09:28	09:47	0.33	1.0	0.1	8.0	7.0	5	COMMUNICATION FAILURE	Restore Communication
02/23/2015	07:38	08:02	0.42	0.1	0.1	8.0	7.9	1	SHUTDOWN PROCEDURE	N/A
02/25/2015	07:06	07:32	0.45	0.0	0.0	8.0	8.0	1	SHUTDOWN PROCEDURE	N/A
04/19/2015	21:29	21:48	0.33	0.1	0.1	8.0	7.9	4	PROCESS OFF	N/A
04/25/2015	06:23	06:52	0.50	0.8	0.8	8.0	7.2	1	SHUTDOWN PROCEDURE	N/A
05/09/2015	05:42	06:01	0.33	0.1	0.1	8.0	7.9	1	SHUTDOWN PROCEDURE	N/A
05/23/2015	04:59	05:16	0.30	0.1	0.1	8.0	7.9	1	SHUTDOWN PROCEDURE	N/A
06/14/2015	16:46	17:01	0.27	2.0	2.0	8.0	6.0	1	SHUTDOWN PROCEDURE	N/A
06/30/2015	06:24	12:13	5.83	0.0	0.0	8.0	8.0	4	PROCESS OFF	N/A

TOTAL HOURS: LOW OVERALL DP >15-MIN ("wc)

CODE	DURATION	PERCENT	EXPLANATION
1	2.27	25.86	SHUTDOWN PROCEDURE
4	6.17	70.34	PROCESS OFF
5	0.33	3.80	COMMUNICATION FAILURE

INCIDENT TOTAL DURATION: 8.77

COMPANY:	VEOLIA WATER NORTH AMERICA
LOCATION:	Naugatuck, CT
SOURCE:	FB Incinerator
CEMS ID:	1234567
DATE CREATED:	07/21/2015 @ 08:39
PERIOD:	01/01/2015 - 06/30/2015 11:00:00 PM

CMS DOWNTIME: OVERALL DP ("wc)

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
01/01/2015 - 06/30/2015	NO	INCIDENT	OCCURRED		

SUMMARY REPORT - GASEOUS AND OPACITY EXCESS EMISSION AND MONITORING SYSTEM PERFORMANCE2

POLLUTANT: O2-Dry
SOURCE: FB Incinerator
CEMS ID: 1234567

DATE CREATED: 07/21/2015 @ 08:36
PERIOD: 01/01/2015 - 06/30/2015

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT

EMISSION LIMITATION: 13.5(%) LIMIT

MONITOR MANUF / MODEL #: Rosemount
LATEST CMS AUDIT: 06/29/2015
PROCESS UNIT(S) DESC: EMU 52

Total source operating time in reporting period: 4043.98 Hours

Emission Data Summary (1)		CMS Performance Summary (1)	
1. Duration of excess emissions in reporting period due to		1. CMS Downtime in reporting period due to	
a. Startup/shutdown	6.18	a. Monitor equipment malfunctions	3.00
b. Control equipment problems	0.00	b. Non-monitor equipment malfunctions	0.00
c. Process problems	0.00	c. Quality assurance calibration	1.00
d. Other known causes	0.00	d. Other known causes	30.70
e. Unknown causes	0.00	e. Unknown causes	0.00
2. Total duration of excess emissions	6.18	2. Total CMS Downtime	34.70
3. % of source operating time (2)	0.2%	3. % of source operating time (2)	0.9%

Notes:
(1) For opacity record all times in minutes. For gases record all times in hours.
(2) For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time or the total CMS downtime is 5 percent or greater of the total operating time both the summary report form and the excess emission report described in 60.7(c) shall be submitted.
On a separate page describe any changes since last quarter in CMS process or controls.
I certify that the information contained in this report is true accurate and complete.

Name: John Batorski

Signature: John Batorski

Title: Plant Manager

Date: 7-22-15

COMPANY:	VEOLIA WATER NORTH AMERICA
LOCATION:	Naugatuck, CT
SOURCE:	FB Incinerator
CEMS ID:	1234567
DATE CREATED:	07/21/2015 @ 08:36
PERIOD:	01/01/2015 - 06/30/2015 11:00:00 PM

EXCESS EMISSION PERIODS: HI O2-D >60-MIN (%)

DATE	START TIME	END TIME	DURATION	AVERAGE VALUE	HI/LOW VALUE	SETPOINT	DIFFERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
04/19/2015	19:54	21:48	1.92	17.5	20.2	13.5	4.0	4	PROCESS OFF	Sludge feed off
06/30/2015	07:58	12:13	4.27	20.5	20.5	13.5	7.0	4	PROCESS OFF	Sludge feed off

TOTAL HOURS: HI O2-D >60-MIN (%)

CODE	DURATION	PERCENT	EXPLANATION
4	6.18	100.00	PROCESS OFF

INCIDENT TOTAL DURATION: 6.18

COMPANY: VEOLIA WATER NORTH AMERICA
LOCATION: Naugatuck, CT
SOURCE: FB Incinerator
CEMS ID: 1234567
DATE CREATED: 07/21/2015 @ 08:36
PERIOD: 01/01/2015 - 06/30/2015 11:00:00 PM

CMS DOWNTIME: O2-D (%)

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
01/02/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/05/2015	11	0.70	13	PROCESS DOWN	N/A
01/13/2015	09	0.32	13	PROCESS DOWN	N/A
01/16/2015	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/16/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/30/2015	08	0.62	13	PROCESS DOWN	N/A
01/30/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/30/2015	10	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
02/10/2015	06	0.82	13	PROCESS DOWN	N/A
02/13/2015	06	0.70	13	PROCESS DOWN	N/A
02/21/2015	08	0.30	13	PROCESS DOWN	N/A
02/21/2015	14	0.25	13	PROCESS DOWN	N/A
02/21/2015	16	0.70	13	PROCESS DOWN	N/A
02/23/2015	08	0.05	13	PROCESS DOWN	N/A
02/23/2015	09	0.70	13	PROCESS DOWN	N/A
02/25/2015	07	0.55	13	PROCESS DOWN	N/A
02/25/2015	12	0.45	13	PROCESS DOWN	N/A
02/27/2015	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
02/27/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/05/2015	11	0.03	13	PROCESS DOWN	N/A
03/05/2015	17	0.67	13	PROCESS DOWN	N/A
03/06/2015	07	0.70	13	PROCESS DOWN	N/A
03/06/2015	08	0.55	13	PROCESS DOWN	N/A
03/14/2015	06	0.65	13	PROCESS DOWN	N/A
03/14/2015	08	0.50	13	PROCESS DOWN	N/A
03/20/2015	06	0.57	13	PROCESS DOWN	N/A
03/25/2015	07	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/27/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
04/04/2015	15	0.05	13	PROCESS DOWN	N/A
04/10/2015	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
04/24/2015	07	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
04/24/2015	08	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
05/05/2015	07	0.28	13	PROCESS DOWN	N/A
05/05/2015	12	0.72	13	PROCESS DOWN	N/A
05/08/2015	09	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
05/08/2015	10	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
05/08/2015	22	1.00	14	RECALIBRATION	N/A
05/09/2015	06	0.75	13	PROCESS DOWN	N/A
06/15/2015	07	0.65	13	PROCESS DOWN	N/A
06/15/2015	19	0.45	13	PROCESS DOWN	N/A
06/17/2015	14	1.00	12	EXCESS DRIFT ANCILLARY MONITOR	MANUALLY RECALIBRATE ANCILLARY MONI

DATE	HOUR	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
06/18/2015	07	1.00	12	EXCESS DRIFT ANCILLARY MONITOR	MANUALLY RECALIBRATE ANCILLARY MONI
06/18/2015	09	1.00	12	EXCESS DRIFT ANCILLARY MONITOR	MANUALLY RECALIBRATE ANCILLARY MONI
06/22/2015	01	0.28	13	PROCESS DOWN	N/A
06/22/2015	15	0.50	13	PROCESS DOWN	N/A
06/23/2015	06	0.70	13	PROCESS DOWN	N/A
06/23/2015	16	0.65	13	PROCESS DOWN	N/A
06/23/2015	17	0.10	13	PROCESS DOWN	N/A
06/24/2015	19	0.15	13	PROCESS DOWN	N/A
06/24/2015	23	0.35	13	PROCESS DOWN	N/A
06/26/2015	11	1.00	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
06/30/2015	12	0.25	13	PROCESS DOWN	N/A

INCIDENT SUMMARY: O2-D (%)

CODE	DURATION	PERCENT	EXPLANATION
12	3.00	8.65	EXCESS DRIFT ANCILLARY MONITOR
13	15.70	45.24	PROCESS DOWN
14	1.00	2.88	RECALIBRATION
20	15.00	43.23	CORRECTIVE MAINTENANCE

INCIDENT TOTAL DURATION: 34.70

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1566 on July 20, 2015

July 20, 2015

Connecticut Department of Environmental Protection
Bureau of Air Management
Compliance Analysis & Coordination Unit
79 Elm Street, 5th Floor
Hartford, CT 06106-5127

Subject: Continuous Opacity Monitoring System Summary Report, April 1, 2015 to June 30, 2015,

Dear Sir/Madam:

Enclosed you will find copies of the above referenced report. There were no exceptions to the attached report.

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 / 203-723-6539
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 A - 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: April 1, 2015	To: June 30, 2015	
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 B - 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: July 13, 2015

Plant Signature: John Batorski

Print (or type) John Batorski

Name and Title: Plant Manager

PART 3: PERFORMANCE FORM			
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	2129.05 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	June 26, 2015
MONITOR DATA AVAILABILITY			
Monitoring equipment malfunctions	9.15		
Non-monitoring equipment malfunctions	3.22		
Calibrations	5.57		
Other known causes[1]	1.60		
Unknown causes			
Total COM downtime	19.54 Hours		
Data Availability (calculated)	99.08%		

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

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-control periods.

Facility Name:	Borough of Naugatuck POTW		
UNIT INFORMATION			
Unit Number or ID	EMU 52	Unit Operating Hours (a)	2129.05
QUESTION 1 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 xNo	
QUESTION 2 Were there any visible emissions in excess of 60% opacity (six-minute block average) during the calendar quarter?		☐ Yes xNo	
QUESTION 3 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 xNo	

QUARTERLY EXCESS EMISSIONS SUMMARY

Emission Limit / Averaging Period	(1) 20% / six-minute average	(2) 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. (a)	Total duration of excess emissions in minutes for both limits combined. (b) = ∑(1) + ∑(2)	Total number of overlapped minutes for both limits. (c)	Adjusted total of excess emissions in minutes for both limits combined. (d) = (b) - (c)	Total duration of excess emissions as a percentage of operating time. (e) = (100*d)/(a)
124800	0	0	0	0

VEOLIA
WATER

Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1537 on July 20, 2015

July 20, 2015

Connecticut Department of Environmental Protection
Bureau of Air Management
Compliance Analysis & Coordination Unit
79 Elm Street, 5th Floor
Hartford, CT 06106-5127

Subject: Continuous Emission Monitoring Semi Annual Report Jan 1, 2015 to June 30, 2015,

Dear Sir/Madam:

Enclosed you will find copies 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 #:

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	January 1, 2015 – June 30, 2015
Report submittal date	July 20, 2015
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

39.20
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: July 20, 2015
Signature (Company Officer): John Batorski
Print (or type) name and title: John Batorski Plant Manager

Michael Unterweger, CK Environmental, Preparer

CONTINUOUS EMISSION MONITORING PERFORMANCE REPORT

Company name	Borough of Naugatuck
Reporting period	01/01/2015 – 06/30/2015
Unit number	EMU 52
Unit operating time	4052.63 hours

MONITOR INFORMATION

Pollutant / Constituent	Opacity
Sampling location	Stack
Manufacturer / Model number	Land / 4500 Mark II
Instrument range(s)	0-100 ppm
Date of last audit	June 26, 2015
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	
Non-monitoring equipment malfunctions	6.55 hours
Calibrations	9.68 hours
Other known causes [1]	14.58 hours
Unknown causes	0
TOTAL CMS DOWNTIME	30.81 hours

QUARTERLY DATA AVAILABILITY RESULTS

Quarterly Data Availability (% of operating hours)(see below)	99.24%

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 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

CEM Forms Package, 08/19/96

CONTINUOUS EMISSION MONITORING PERFORMANCE REPORT	
Company name	Borough of Naugatuck
Reporting period	01/01/2015 – 06/30/2015
Unit number	EMU 52
Unit operating time	4052.63 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	June 2, 2015
Audit type (e.g., CGA, RATA, RAA)	RATA
Audit results (pass / fail)	Pass

CMS DOWNTIME	
REASONS	TIME (hours, or minutes for opacity)
Monitoring equipment malfunctions	0
Non-monitoring equipment malfunctions	6.55 hours
Calibrations	9.68 hours
Other known causes [1]	14.58 hours
Unknown causes	0
TOTAL CMS DOWNTIME	30.81 hours

QUARTERLY DATA AVAILABILITY RESULTS	
Quarterly Data Availability (% of operating hours)(see below)	99.24%%

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 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

CEM Forms Package, 08/19/95

SEMI-ANNUAL EXCESS EMISSION REPORT		
Company Name	Borough of Naugatuck	
Reporting period	01/01/2015 – 06/30/2015	
Unit number	EMU 52	
Unit operating time	4052.63 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

SEMI-ANNUAL EXCESS EMISSION REPORT			
Company Name	Borough of Naugatuck		
Reporting period	01/01/2015 – 06/30/2015		
Unit number	EMU 52		
Unit operating time	4052.63 hours		
POLLUTANT / EMISSION LIMITS			
Pollutant / constituent monitored	OPACITY		
	Permit		Federal (if applicable)
Emission limit(s)	20%	40%	
Averaging period(s):	6 minute block	instantaneous	
EXCESS EMISSIONS DATA SUMMARY			
Reason for excess emissions	Duration (in minutes for opacity)		
	List exceedances of DEP permit or Regulations		List violations of Federal standards
Start-up / shut down	0	ONLY THE TOTALS (see below) ARE REQUIRED FOR THE 40% OPACITY READINGS	0
Control equipment malfunction	0		0
Process malfunction	0		0
Other known causes	0		0
Unknown causes	0		0
Fuel problems	0		0
Cleaning, Soot-blowing	0		0
Total duration of excess emissions (hours or minutes)	0		0
Total duration (as % of total unit operating time)	.0		0

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 excursion	Corrective action(s)	Prevent recurrence(s)

REPORT CERTIFICATION

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

EMU# or Unit ID	Permit Cond. ID	Monitoring System Failure Period				Description and Cause of Moni ng System Failure	Corrective Actions Taken to Remedy Monitoring System Failure	Measures Taken t revent Future Monitoring System Failures
		Start		End				
		Date	Time	Date	Time			
52	III.E.21	4/03	5:58	4/03	6:01	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	4/09	5:58	4/09	6:10	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	4/11	5:58	4/11	6:11	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	4/21	5:58	4/21	6:14	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	5/02	6:57	5/02	7:25	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	5/08	14:56	5/08	22:18	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	6/07	6:56	6/07	7:07	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	6/17	10:48	6/17	13:55	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	6/17	15:34	6/17	15:34	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	6/18	8:31	6/18	8:34	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	6/19	6:55	6/19	7:04	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21	6/28	6:55	6/28	7:01	Excess Drift Primary Monitor	Manually Recalibrate	Continued Training
52	III.E.21							
52	III.E.21							

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							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							

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

VEOLIA
WATER

Sent via certified mail #7014 1200 0002 2236 9760 on August 4, 2015

Connecticut DEEP
Donald Gonyea
Bureau of Materials Management and Compliance Assurance
79 Elm Street
Hartford, CT 06106

August 4, 2015

Re: Laboratory DMR-QA Evaluation Study 34

Dear Mr. Gonyea:

Enclosed please find the *NPDES Permittee Data Report Form* for the Naugatuck WWTP, NPDES Permit #CT0100641. All results were within acceptable limits.

Please contact me if you have any questions regarding the enclosed revised 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

ERA

A Waters Company

John E. Batorski
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
USA

DMR-QA 35 Final Report

DMR-QA Proficiency Testing

NPDES Permit: CT0100641

DMR-QA Study

Open Date: 03/20/15

Close Date: 07/10/15

Report Issued Date: 07/31/15

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July 31, 2015

John E. Batorski
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770

Enclosed is your final report for ERA's DMR-QA 35 Proficiency Testing study. Please note that reports were sent on your behalf to your state or regional DMR-QA Coordinator. As the permit holder, you are required to review and sign the attached forms and forward them to your DMR-QA coordinator by August 28, 2015.

Data Evaluation Protocols: If the analyte is listed in the current TNI Fields of Proficiency Testing (FoPT) tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the current TNI FoPT tables. If the analyte is not included in the TNI FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260). All analytes in ERA's DMRWet-35 Proficiency Testing study have been evaluated by comparing the reported results to the Acceptance Limits established per the criteria contained in the most current TNI FoPT tables. For NOEC Analytes the Lower Acceptance Limit is the test dilution below the Median (or <6.25%, whichever is higher), the Upper Acceptance Limit is the test dilution above the Median (or >100%, whichever is lower). If the Median is between two test dilutions, then the Lower Acceptance Limit is the second test dilution below the Median, and the Upper Acceptance Limit is the second test dilution above the Median. For Non-NOEC Analytes the Acceptance Limits are the Study Mean +/- 2 Standard Deviations. If the upper limit is above 100%, then the Upper Acceptance Limit is ">100%, if the lower limit is below 6.25%, then the Lower Acceptance Limit is <6.25%.

If you have any "Not Acceptable" evaluations for the DMR-QA 35 study, a letter of corrective action and an order form for the required remedial samples are attached for your convenience. If you have a "Not Acceptable" evaluation, but there is not an order form or a list of standards for your in-house or outside laboratories, ERA recommends that you contact your DMR-QA Coordinator for their corrective action requirements, if any.

Thank you for your participation in ERA's DMR-QA 35 Proficiency Testing study. If you have any questions, please contact the PT department at 1-800-372-0122.

Your DMR-QA coordinator is:

Connecticut DEP
Donald Gonyea
Bureau of Materials Management and Compliance Assurance
79 Elm Street
Hartford, CT 06106
Phone: 860-424-3827
Fax: 860-424-4074
donald.gonyea@ct.gov

Sincerely,

Kristina Sanchez
Quality Officer

attachments

ERA

A Waters Company

DMR-QA 35 Definitions & Study Discussion

Study Dates: 03/20/15 - 07/10/15

Report Issued: 07/31/15

DMRQA Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

DMR-QA 35: The ERA Assigned Values are compliant with the current FoPT tables. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards. The Acceptance Limits are established per the criteria contained in the most current TNI FoPT tables, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

DMRWet-35: The ERA Assigned Values are compliant with the current FoPT tables. For NOEC Analytes the Assigned Values are set to the Study Median of the data reported by laboratories; reported values are <6.25%, 6.25%, 12.5%, 25%, 50%, 100%, or >100%. If the Median falls between two of these values, then the Assigned Value is set at the higher value. For Non-NOEC Analytes the Assigned Values are set to the Study Mean, calculated using reported values from 6.25% and 100%, inclusive. The Acceptance Limits are established per the criteria contained in the most current TNI FoPT tables. For NOEC Analytes the Lower Acceptance Limit is the test dilution below the Median (or <6.25%, whichever is higher), the Upper Acceptance Limit is the test dilution above the Median (or >100%, whichever is lower). If the Median is between two test dilutions, then the Lower Acceptance Limit is the second test dilution below the Median, and the Upper Acceptance Limit is the second test dilution above the Media. For Non-NOEC Analytes the Acceptance Limits are the Study Mean +/- 2 Standard Deviations. If the upper limit is above 100%, then the Upper Acceptance Limit is ">100%, if the lower limit is below 6.25%, then the Lower Acceptance Limit is <6.25%.

The Performance Evaluation:

Acceptable	= Reported Value falls within the Acceptance Limits.
Not Acceptable	= Reported Value falls outside the Acceptance Limits.
No Evaluation	= Reported Value cannot be evaluated.
Not Reported	= No Value reported.

The Method Description is the method the laboratory reported to ERA.

DMRQA Study Discussion

ERA's DMR-QA 35 Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2009 TNI PT Standards and the criteria contained in the current TNI FoPT tables.

ERA's DMR-QA 35 study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in ththe 2009 TNI PT Standard and the criteria contained in the current TNI Fields of Proficiency Testing (FoPT) tables.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's DMR-QA 35 study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's DMRQA Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.

ERA

A Waters Company

Study: **DMR-QA 35**

NPDES Permit #: **CT0100641**

Laboratory Name: **Veolia Water - Naugatuck County**

Inorganic Results

ERA
A Waters Company

DMR-QA 35 Final Report

NPDES Permit #: CT0100641
Permit Holder: John E. Batorski
Plant Manager
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
203-723-1433

ERA Customer Number: N064601
Report Issued: 07/31/15
Study Dates: 03/20/15 - 07/10/15

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA Minerals (cat# 581)											
1505	Alkalinity as CaCO3	mg/L	Acceptable	86.0	87.6	74.5 - 101	SM 2320 B-2011 2011	86.3	2.98	CT00007	DMRQA35
1575	Chloride	mg/L	Acceptable	80.8	79.6	69.6 - 89.8	EPA 300.0 2.1 1993	78.7	2.75	CT00007	DMRQA35
1610	Conductivity at 25°C	µmhos/cm	Acceptable	520	499	449 - 549	SM 2510 B-2011 2011	510	15.0	CT00007	DMRQA35
1730	Fluoride	mg/L	Acceptable	3.60	3.45	2.79 - 3.97	EPA 300.0 2.1 1993	3.44	0.169	CT00007	DMRQA35
2000	Sulfate	mg/L	Acceptable	28.5	30.7	24.8 - 35.5	EPA 300.0 2.1 1993	30.1	2.02	CT00007	DMRQA35
1955	Total Dissolved Solids at 180°C	mg/L	Acceptable	374	383	338 - 428	SM 2540 C-2011 2011	377	20.4	CT00007	DMRQA35
DMRQA Hardness (cat# 580)											
1960	Total Suspended Solids	mg/L	Acceptable	66.0	71.7	57.9 - 80.3	SM 2540 D-2011 2011	65.9	4.58	CT00007	DMRQA35
1755	Total Hardness as CaCO3	mg/L	Acceptable	349	319	271 - 367	EPA 200.7 4.4 1994	309	12.0	CT00007	DMRQA35
WP pH (cat# 577)											
1900	pH	S.U.	Acceptable	6.26	6.31	6.11 - 6.51	SM4500H+ B online	6.31	0.0526	CT00946	WP242
DMRQA pH (cat# 577)											
1900	pH	S.U.	Acceptable	6.39	6.43	6.23 - 6.63	SM 4500-H+ B-2011 2011	6.41	0.0572	CT00007	DMRQA35
DMRQA Settleable Solids (cat# 883)											
1965	Settleable Solids	mL/L	Acceptable	28.0	27.6	22.5 - 35.1	SM 2540 F-2011 2011	28.5	1.80	CT00007	DMRQA35
DMRQA Simple Nutrients (cat# 584)											
1515	Ammonia as N	mg/L	Acceptable	9.38	10.2	8.12 - 12.2	EPA 350.1 2 1993	10.2	0.770	CT00007	DMRQA35
1810	Nitrate as N	mg/L	Acceptable	11.2	10.9	9.03 - 12.7	EPA 353.2 2 1993	10.9	0.553	CT00007	DMRQA35
1870	ortho-Phosphate as P	mg/L	Acceptable	4.18	4.29	3.65 - 4.93	SM 4500-P E-2011 2011	4.32	0.229	CT00007	DMRQA35

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A Waters Company

DMR-QA 35 Final Report

NPDES Permit #: CT0100641
Permit Holder: John E. Batorski
Plant Manager
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
203-723-1433

ERA Customer Number: N064601
Report Issued: 07/31/15
Study Dates: 03/20/15 - 07/10/15

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA Complex Nutrients (cat# 579)											
1795	Total Kjeldahl Nitrogen	mg/L	Acceptable	11.3	12.1	8.93 - 15.0	EPA 351.1 1978	11.9	1.01	CT00007	DMRQA35
1910	Total phosphorus as P	mg/L	Acceptable	3.30	3.34	2.74 - 3.91	SM 4500-P E-2011 2011	3.45	0.193	CT00007	DMRQA35
DMRQA Nitrite (cat# 888)											
1840	Nitrite as N	mg/L	Acceptable	3.38	3.49	3.02 - 3.96	EPA 353.2 2 1993	3.49	0.149	CT00007	DMRQA35
DMRQA Demand (cat# 578)											
1530	BOD	mg/L	Acceptable	42.0	45.8	23.7 - 67.9	SM 5210 B-2011 2011	47.0	9.10	CT00007	DMRQA35
1555	CBOD	mg/L	Acceptable	36.0	41.5	18.1 - 64.9	SM 5210 B-2011 2011	44.3	9.83	CT00007	DMRQA35
1565	COD	mg/L	Acceptable	70.0	73.9	53.8 - 91.1	SM 5220 D-2011 2011	73.5	7.11	CT00007	DMRQA35
2040	TOC	mg/L	Acceptable	31.8	29.2	23.9 - 34.4	SM 5310 C-2011 2011	29.2	1.79	CT00007	DMRQA35
DMRQA Oil & Grease (cat# 582)											
1860	n-Hexane Extractable Material(O&G)(Grav)	mg/L	Acceptable	66.0	75.0	51.6 - 88.6	EPA 1664A (SGT-HEM) 1999	68.6	5.41	CT00007	DMRQA35

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A Waters Company

DMR-QA 35 Final Report

NPDES Permit #: CT0100641
Permit Holder: John E. Batorski
Plant Manager
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
203-723-1433

ERA Customer Number: N064601
Report Issued: 07/31/15
Study Dates: 03/20/15 - 07/10/15

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA Trace Metals (cat# 586)											
1000	Aluminum	µg/L	Acceptable	960	944	770 - 1100	EPA 200.7 4.4 1994	946	51.3	CT00007	DMRQA35
1005	Antimony	µg/L	Acceptable	639	629	512 - 727	EPA 200.7 4.4 1994	620	31.3	CT00007	DMRQA35
1010	Arsenic	µg/L	Acceptable	658	658	555 - 753	EPA 200.7 4.4 1994	642	28.7	CT00007	DMRQA35
1015	Barium	µg/L	Acceptable	2390	2280	1940 - 2620	EPA 200.7 4.4 1994	2270	78.4	CT00007	DMRQA35
1020	Beryllium	µg/L	Acceptable	150	146	124 - 168	EPA 200.7 4.4 1994	144	6.34	CT00007	DMRQA35
1025	Boron	µg/L	Acceptable	813	875	744 - 1010	EPA 200.7 4.4 1994	882	52.4	CT00007	DMRQA35
1030	Cadmium	µg/L	Acceptable	859	870	740 - 1000	EPA 200.7 4.4 1994	859	24.4	CT00007	DMRQA35
1040	Chromium	µg/L	Acceptable	562	542	461 - 623	EPA 200.7 4.4 1994	542	22.3	CT00007	DMRQA35
1050	Cobalt	µg/L	Acceptable	268	252	214 - 290	EPA 200.7 4.4 1994	262	11.8	CT00007	DMRQA35
1055	Copper	µg/L	Acceptable	151	151	128 - 174	EPA 200.7 4.4 1994	152	8.46	CT00007	DMRQA35
1070	Iron	µg/L	Acceptable	2160	2140	1820 - 2460	EPA 200.7 4.4 1994	2160	80.6	CT00007	DMRQA35
1075	Lead	µg/L	Acceptable	290	286	243 - 329	EPA 200.7 4.4 1994	287	10.6	CT00007	DMRQA35
1090	Manganese	µg/L	Acceptable	759	716	609 - 823	EPA 200.7 4.4 1994	735	27.9	CT00007	DMRQA35
1100	Molybdenum	µg/L	Acceptable	150	149	124 - 172	EPA 200.7 4.4 1994	148	8.27	CT00007	DMRQA35
1105	Nickel	µg/L	Acceptable	1130	1140	1010 - 1280	EPA 200.7 4.4 1994	1130	48.7	CT00007	DMRQA35
1140	Selenium	µg/L	Acceptable	208	211	179 - 243	EPA 200.7 4.4 1994	210	11.2	CT00007	DMRQA35
1150	Silver	µg/L	Acceptable	357	367	312 - 422	EPA 200.7 4.4 1994	366	16.7	CT00007	DMRQA35
1160	Strontium	µg/L	Acceptable	151	133	113 - 153	EPA 200.7 4.4 1994	142	8.08	CT00007	DMRQA35
1185	Vanadium	µg/L	Acceptable	275	279	237 - 321	EPA 200.7 4.4 1994	275	12.1	CT00007	DMRQA35
1190	Zinc	µg/L	Acceptable	1690	1710	1450 - 1970	EPA 200.7 4.4 1994	1710	71.6	CT00007	DMRQA35
DMRQA Trace Metals (cat# 586)											
1165	Thallium	µg/L	Acceptable	222	216	170 - 257	SM 3113 B-2004 2004	219	12.8	CT00007	DMRQA35

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ERA
A Waters Company

DMR-QA 35 Final Report

NPDES Permit #: CT0100641
Permit Holder: John E. Batorski
Plant Manager
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
203-723-1433

ERA Customer Number: N064601
Report Issued: 07/31/15
Study Dates: 03/20/15 - 07/10/15

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA Mercury (cat# 574)											
1095	Mercury	µg/L	Acceptable	11.3	11.7	8.19 - 15.2	EPA 245.1 3 1994	11.8	1.27	CT00007	DMRQA35
DMRQA Hexavalent Chromium (cat# 898)											
1045	Hexavalent Chromium	µg/L	Acceptable	204	212	174 - 248	SM 3500-Cr B-2011 2011	213	13.7	CT00007	DMRQA35
DMRQA Turbidity (cat# 893)											
2055	Turbidity	NTU	Acceptable	8.72	8.60	6.90 - 10.3	SM 2130 B-2011 2011	8.53	0.603	CT00007	DMRQA35
DMRQA Total Cyanide (cat# 588)											
1645	Cyanide, total	mg/L	Acceptable	0.494	0.525	0.341 - 0.709	EPA 335.4 1993	0.529	0.0527	CT00007	DMRQA35
DMRQA Total Phenolics (4-AAP) (cat# 589)											
1905	Phenolics, total	mg/L	Acceptable	1.02	1.10	0.554 - 1.65	EPA 420.4 1 1993	1.19	0.138	CT00007	DMRQA35
WP Total Residual Chlorine (cat# 587)											
1940	Total Residual Chlorine	mg/L	Acceptable	1.91	2.02	1.49 - 2.37	SM4500Cl G online	1.91	0.110	CT00946	WP242
DMRQA Total Residual Chlorine (cat# 587)											
1940	Total Residual Chlorine	mg/L	Acceptable	1.68	1.80	1.33 - 2.11	SM 4500-Cl G-2011 2011	1.69	0.124	CT00007	DMRQA35

ERA
A Waters Company

Study: **DMR-QA 35**

NPDES Permit #: **CT0100641**

Laboratory Name: **Veolia Water - Naugatuck County**

Microbiology Results

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

ERA
A Waters Company

DMR-QA 35 Final Report

NPDES Permit #: CT0100641
Permit Holder: John E. Batorski
Plant Manager
Veolia Water - Naugatuck County
500 Cherry Street
Naugatuck, CT 06770
203-723-1433

ERA Customer Number: N064601
Report Issued: 07/31/15
Study Dates: 03/20/15 - 07/10/15

TNI Analyte Code	Analyte	Units	Performance Evaluation	Reported Value	Assigned Value	Acceptance Limits	Method Description	Study Mean	Study Standard Deviation	USEPA Lab Code	Study
DMRQA WasteWatR™ Coliform MicrobE™ (cat# 576)											
2500	Total Coliforms (MF)	CFU/100mL	Acceptable	340	354	43.0 - 926	SM 9222 B (M-Endo)-1997 1997	199	147	CT00007	DMRQA35
2530	Fecal Coliforms (MF)	CFU/100mL	Acceptable	110	354	4.00 - 1010	SM 9222 D (m-FC)-1997 1997	66.7	167	CT00007	DMRQA35
2525	E.coli (MF)	CFU/100mL	Acceptable	340	354	10.0 - 1370	SM 9222 B (LES Endo) + G (NA MUG)-1997 1997	118	227	CT00007	DMRQA35

Per Section 6.4.3 a of the 2009 TNI Standard, "The assigned values for quantitative microbiology analytes shall be equal to the mean of the assigned value verification and/or homogeneity testing per Sections 7.1 and 7.2". The final acceptance limits are derived from the calculated study mean and study standard deviation from laboratory-reported results. Disagreement between the assigned values and study means/acceptance limits are due to the inherent variability of microbiology methods and differences in the methods used by ERA and participant laboratories. For quantitative microbiology analytes, the assigned value is not used in the evaluation of laboratories.

USEPA
DMR-QA 35

NPDES PERMITTEE DATA REPORT FORM

ERA
A Waters Company

USEPA NPDES Permit #: CT0100641

Permit Ext:

Permittee Name: Veolia Water - Naugatuck ~~County~~

Facility Address: 500 Cherry Street

City: Naugatuck State: CT Postal Code: 06770

Phone Number: 203-723-1433 Fax Number: 203-723-8539

E-mail address: john.batorski@veolia.com

For DMRQA-35, conducted in 2015, the Permittee ensured that their laboratory(s) performing the required analyses:

Received PT Samples	Submitted Complete and Accurate Data by July 10, 2015	Received a Graded Report by July 31, 2015
Yes ☒ No ☐	Yes ☒ No ☐	Yes ☒ No ☐

Certification by Permit Holder or Authorized Representative

(as per 40 C.F.R. Section 122.22)

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. Each reported value was produced from a single analytical run using the analytical system that rountinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) Permit. Neither I nor any of my subordinates compared our results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name of Certifying Official: John E. Batorski Title: Plant Manager

Signature: John E. Batorski Date Signed: 8 / 4 / 2015

Mailing Address: 500 Cherry Street

(enter only if different from address above)

City: Naugatuck State: CT Postal Code: 06770

Phone Number: 203-723-1433 E-mail address: john.batorski@veolia.com

Please make corrections in boxes above

United States

ENVIRONMENTAL PROTECTION AGENCY

Laboratory Performance Evaluation

Laboratory DMR-QA Evaluation Study 35

USEPA NPDES Permit #: CT0100641 Permit Ext:

Identification of all CHEM, MICRO and TOX laboratories who did analyses for this permit

Name of Laboratory	Address of Laboratory	U.S. EPA Lab Code	Lab Analysis Check box(es) that apply			Lab Type*	State-certified Lab**
			CHEM	MICRO	TOX		
Phoenix Environmental Lab	PO Box 370 Manchester,CT 06040	CT00007	☒	☒	☒		☒
Veolia Water - Naugatuck County	500 Cherry St. Ext. Naugatuck,CT 06770	CT00946	☒	☐	☐		☐

* Lab Types: C = Commercial F = Federal G = Local Government I = Industrial O = Other S = State

** See Footnote 2 on DMRQA-35, Frequently Asked Questions page

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00007

Chemistry/Microbiology Analyte Checklist

DMRQA Study 35

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Minerals				
Alkalinity as CaCO3 SM 2320 B-2011	☐	☒	☐	☐
Chloride EPA 300.0	☐	☒	☐	☐
Conductivity at 25°C SM 2510 B-2011	☐	☒	☐	☐
Fluoride EPA 300.0	☐	☒	☐	☐
Potassium Sodium Sulfate EPA 300.0	☐	☒	☐	☐
Total Dissolved Solids at 180°C SM 2540 C-2011	☐	☒	☐	☐
Total Solids at 105°C				
Hardness				
Total Suspended Solids SM 2540 D-2011	☐	☒	☐	☐
Calcium Magnesium Calcium Hardness as CaCO3 Total Hardness as CaCO3 EPA 200.7	☐	☒	☐	☐
pH				
pH SM 4500-H+ B-2011	☐	☒	☐	☐
Settleable Solids				
Settleable Solids SM 2540 F-2011	☐	☒	☐	☐
Solids Concentrate				
Total Suspended Solids Total Dissolved Solids at 180°C Total Solids at 105°C				
Solids				
Total Suspended Solids Total Dissolved Solids at 180°C Total Solids at 105°C				
Simple Nutrients				
Ammonia as N EPA 350.1	☐	☒	☐	☐
Nitrate + Nitrite as N Nitrate as N				

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00007

✓

Chemistry/Microbiology Analyte Checklist

DMRQA Study 35

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
EPA 353.2	☐	☒	☐	☐
ortho-Phosphate as P SM 4500-P E-2011	☐	☒	☐	☐
Complex Nutrients				
Total Kjeldahl Nitrogen EPA 351.1	☐	☒	☐	☐
Total phosphorus as P SM 4500-P E-2011	☐	☒	☐	☐
Nitrite				
Nitrite as N EPA 353.2	☐	☒	☐	☐
Demand				
BOD SM 5210 B-2011	☐	☒	☐	☐
CBOD SM 5210 B-2011	☐	☒	☐	☐
COD SM 5220 D-2011	☐	☒	☐	☐
TOC SM 5310 C-2011	☐	☒	☐	☐
Oil & Grease Concentrate				
n-Hexane Extractable Material(O&G) (Grav)				
Oil & Grease				
n-Hexane Extractable Material(O&G) (Grav) EPA 1664A (SGT-HEM) **n-Hexane Extractable Material(O&G) (IR)**	☐	☒	☐	☐
Trace Metals				
Aluminum EPA 200.7	☐	☒	☐	☐
Antimony EPA 200.7	☐	☒	☐	☐
Arsenic EPA 200.7	☐	☒	☐	☐
Barium EPA 200.7	☐	☒	☐	☐
Beryllium EPA 200.7	☐	☒	☐	☐
Boron EPA 200.7	☐	☒	☐	☐

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00007

Chemistry/Microbiology Analyte Checklist

DMRQA Study 35

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		✓ Acceptable	Not Acceptable (Corrective Action Required)	
Cadmium EPA 200.7	☐	☒	☐	☐
Chromium EPA 200.7	☐	☒	☐	☐
Cobalt EPA 200.7	☐	☒	☐	☐
Copper EPA 200.7	☐	☒	☐	☐
Iron EPA 200.7	☐	☒	☐	☐
Lead EPA 200.7	☐	☒	☐	☐
Manganese EPA 200.7	☐	☒	☐	☐
Molybdenum EPA 200.7	☐	☒	☐	☐
Nickel EPA 200.7	☐	☒	☐	☐
Selenium EPA 200.7	☐	☒	☐	☐
Silver EPA 200.7	☐	☒	☐	☐
Strontium EPA 200.7	☐	☒	☐	☐
Thallium SM 3113 B-2004	☐	☒	☐	☐
Vanadium EPA 200.7	☐	☒	☐	☐
Zinc EPA 200.7	☐	☒	☐	☐
Mercury				
Mercury EPA 245.1	☐	☒	☐	☐
Low-Level Mercury				
Low Level Mercury				
Hexavalent Chromium				
Hexavalent Chromium SM 3500-Cr B-2011	☐	☒	☐	☐
Turbidity				
Turbidity SM 2130 B-2011	☐	☒	☐	☐

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00007

Chemistry/Microbiology Analyte Checklist

DMRQA Study 35

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Total Cyanide				
Cyanide, total EPA 335.4 **Amenable Cyanide**	☐	☒	☐	☐
Total Phenolics (4-AAP)				
Phenolics, total EPA 420.4	☐	☒	☐	☐
Total Residual Chlorine				
Total Residual Chlorine SM 4500-Cl G-2011	☐	☒	☐	☐
Low-Level Total Residual Chlorine				
Low Level Total Residual Chlorine				
WasteWatR™ Coliform MicrobE™				
Total Coliforms (MF) SM 9222 B (M-Endo)-1997	☐	☒	☐	☐
Fecal Coliforms (MF) SM 9222 D (m-FC)-1997	☐	☒	☐	☐
E.coli (MF) SM 9222 B (LES Endo) + G (NA MUG)-1997	☐	☒	☐	☐
Total Coliforms (MPN)				
Fecal Coliforms (MPN)				
E.coli (MPN)				

Print Name

Date

Signature/Title

Use a separate checklist for EACH lab used

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00946

Chemistry/Microbiology Analyte Checklist

WP Study 242

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Minerals				
Alkalinity as CaCO3				
Chloride				
Conductivity at 25°C				
Fluoride				
Potassium				
Sodium				
Sulfate				
Total Dissolved Solids at 180°C				
Total Solids at 105°C				
Hardness				
Total Suspended Solids				
Calcium				
Magnesium				
Calcium Hardness as CaCO3				
Total Hardness as CaCO3				
pH				
pH				
SM4500H+ B	☐	☒	☐	☐
Settleable Solids				
Settleable Solids				
Solids Concentrate				
Total Suspended Solids				
Total Dissolved Solids at 180°C				
Total Solids at 105°C				
Solids				
Total Suspended Solids				
Total Dissolved Solids at 180°C				
Total Solids at 105°C				
Simple Nutrients				
Ammonia as N				
Nitrate + Nitrite as N				
Nitrate as N				
ortho-Phosphate as P				
Complex Nutrients				
Total Kjeldahl Nitrogen				
Total phosphorus as P				
Nitrite				
Nitrite as N				
Demand				
BOD				
CBOD				
COD				
TOC				

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00946

Chemistry/Microbiology Analyte Checklist

WP Study 242

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Oil & Grease Concentrate				
n-Hexane Extractable Material(O&G) (Grav)				
Oil & Grease				
n-Hexane Extractable Material(O&G) (Grav)				
n-Hexane Extractable Material(O&G) (IR)				
Trace Metals				
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Manganese				
Molybdenum				
Nickel				
Selenium				
Silver				
Strontium				
Thallium				
Vanadium				
Zinc				
Mercury				
Mercury				
Low-Level Mercury				
Low Level Mercury				
Hexavalent Chromium				
Hexavalent Chromium				
Turbidity				
Turbidity				
Total Cyanide				
Cyanide, total				
Amenable Cyanide				
Total Phenolics (4-AAP)				
Phenolics, total				

Permittee Name: Veolia Water - Naugatuck County **Permit Number:** CT0100641 **EPA Lab Code:** CT00946

Chemistry/Microbiology Analyte Checklist

WP Study 242

Analyte Test / Method	Test Required	Laboratory's Graded Result		Analyte determined by state-certified lab
		Acceptable	Not Acceptable (Corrective Action Required)	
Total Residual Chlorine				
Total Residual Chlorine SM4500Cl G	☐	✓ ☒	☐	☐
Low-Level Total Residual Chlorine				
Low Level Total Residual Chlorine				
WasteWatR™ Coliform MicrobE™				
Total Coliforms (MF) Fecal Coliforms (MF) E.coli (MF) Total Coliforms (MPN) Fecal Coliforms (MPN) E.coli (MPN)				

Print Name

Date

Signature/Title

Use a separate checklist for EACH lab used

CERTIFICATE OF RECOGNITION

ERA congratulates

VEOLIA WATER - NAUGATUCK COUNTY

for your participation and successful evaluation in WP-242. We recognize the performance of this laboratory for achieving acceptable evaluations for the following analytes.

pH

Total Residual Chlorine

Kristina Sanchez
Quality Officer

N064601

VEOLIA

Batorski, John <john.batorski@veolia.com>

Chemtura Corporation - Pretreatment Permit ID SP0000065

Gil Ryan <gryan@woodardcurran.com> 15 July 2015 at 10:13
To: "edward.finger@ct.gov" <edward.finger@ct.gov>
Cc: "Batorski, John (john.batorski@veolia.com)" <john.batorski@veolia.com>, "Paul Meyer (paul.meyer@chemtura.com) (paul.meyer@chemtura.com)" <paul.meyer@chemtura.com>

Dear Mr. Finger,

The purpose of this email is to notify you of a possible exceedance of the instantaneous standard for bis(2-ethylhexyl)phthalate (DEHP) in Appendix A, Table B of Chemtura's Pretreatment Permit No. SP0000065. As background, under Permit No. SP0000065, Chemtura collects a monthly sample of the combined discharge from extraction wells 2 and 3 and a monthly sample of the effluent from the Borough of Naugatuck Water Pollution Control Facility. During yesterday's review of the lab reports for the samples collected on June 29, 2015, Chemtura became aware of a detection of DEHP in the POTW effluent sample at a concentration of 162 ug/L. An email was sent to Mr. John Batorski of the Naugatuck POTW requesting information on the POTW effluent flow for 6/29/15. Mr. Batorski indicated in an email sent to me yesterday that the average POTW effluent flow on 6/29/15 was 4.6 MGD. Based on the laboratory reported concentration of 162 ug/L of DEHP in the effluent from the POTW and a reported POTW effluent flow of 4.6 million gallons on June 29, 2015, the mass of DEHP in the POTW effluent was calculated to be approximately 2.82 kg for that day, which exceeds the instantaneous standard in Appendix A, Table B of 0.14 kg/day for DEHP in the effluent from the POTW. This notification is being made in order to comply with the 24-hour notification requirement in Note (1)a. following Table B of Permit SP0000065.

Chemtura is following up with the lab to confirm the result of 162 ug/L in the POTW effluent and also checking the sampling methodology to assess potential sources of DEHP during sample collection. In addition, in accordance with the permit requirements, a second sample of the POTW effluent will be collected within 7 days and analyzed for DEHP. It should be noted that the lab report for the combined discharge from extraction wells 2 and 3 on 6/29/15 showed DEHP as Non-Detect <140 ug/L. Based on this result and a combined flow of 140,619 gallons from extraction wells 2 and 3 on June 29, 2015, the maximum potential contribution of DEHP from Chemtura on that day was 0.075 kg, which is below the instantaneous standard of 0.14 kg/day and only approximately 2.7% of the calculated total mass of DEHP in the POTW effluent on June 29, 2015.

In accordance with Note (1)c. following Table B of Permit SP0000065, a written report prepared in accordance with Section 7(A) of the permit will be submitted to the CTDEEP within 60 days from today (i.e., on or before September 12, 2015) and will be directed to your attention.

Please contact me if you have any questions or if you require any additional information at this time.

Thank you,

Gil Ryan

~~~~~~

Gilbert S. Ryan, Senior Project Manager
Woodard & Curran Inc.
~~~~~~

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 7-3-15 TIME: 9:50 PM

CALL TAKEN BY: email to J. Batosky

NAME OF COMPLAINTANT: Denise Figueroa PHONE NUMBER: 203-518-2414

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED: 326 Cherry St. Ext.

STRENGTH OF ODOR: FAINT ___ NOTICABLE ___ DEFINITE ___ STRONG ✓ OVERWHELMING ___

DESCRIPTION OF ODOR: AMMONIA ___ CABBAGE ___ FECAL ___ FISHY ___ GARLIC ___ MEDICINAL ___ ROTTEN EGGS ___ SKUNKY ___ SOLVENT/FUEL ___ OTHER ___

DOES THE CALLER WANT A FOLLOW-UP CALL? YES ___ NO ___

DON'T FORGET TO THANK THE CALLER FOR THEIR CONCERN!!

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: SEE WIND SPEED: 1-5 mph WEATHER: TEMP 71 RAIN — HUMID — DRY — UNSEASONABLY WARM/COLD ✓

COMPLETE PLANT SURVEY LISTING POSSIBLE SOURCES OF ODORS CONTRIBUTING TO THE COMPLAINT:

see attach email {comments below

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON ✓ OFF ___ PH 7.9 ORP 881 MAKE UP WATER: 0.5-1 GPM ✓ SPRAYS good

FILTER BLDG SCRUBBER: ON ✓ OFF ___ PH 8.5 ORP 819 MAKE UP WATER: 1-3 GPM — SPRAYS good

PERMANGANATE FEEDERS:

AERATION: ON ✓ OFF ___ VERIFIED OPERATIONAL: YES X NO ___

SLUDGE STORAGE: ON ✓ OFF ___ VERIFIED OPERATIONAL: YES X NO ___

ODOR COUNTERACTANT SYSTEM: ON X OFF ___ VERIFIED OPERATIONAL: YES good SPRAYS ok

---

COMPLAINT REVIEWED BY: John Batorsko DATE: 7-3-15 TIME: ~10 PM

RETURN CALL MADE BY: ___ DATE: ___ TIME: ___

RETURN CALL RESULTS:

Investigation started that evening. Plant staff was on grounds (plant) performing odor inspection at that time - no odors reported.
Staff on several occasions walked up to the home area, pulled manhole covers (storm & sanitary) and did not observe odors. (walked at 6:30 AM and ~ 3 PM)
Please see attached email.

WeatherLink 6.0.0 07/07/15 9:57a: admin - [Browse Records]

File Setup Reports Browse Window Help

Date	Time	Temp Out	Hi Temp	Low Temp	Out Hum	Dew Pt.	Wind Speed	Wind Dir	Wind Run	Hi Speed	Hi Dir	Wind Chill	Heat Index	THW Index	Bar	Rain	Rain Rate	Heat D-D	Cool D-D	In Temp	In Hum
7/03/15	6:00p	78.7	78.8	78.7	56	61.7	2.0	SE	0.17	6.0	SE	78.7	79.4	79.4	------	0.00	0.00	0.000	0.048	75.6	70
7/03/15	6:05p	77.8	78.7	77.8	58	61.8	5.0	SSE	0.42	9.0	SSE	77.8	78.5	78.5	------	0.00	0.00	0.000	0.044	75.8	69
7/03/15	6:10p	77.3	77.7	77.3	59	61.9	3.0	SE	0.25	5.0	SE	77.3	78.0	78.0	------	0.00	0.00	0.000	0.043	75.8	68
7/03/15	6:15p	77.0	77.3	77.0	61	62.5	2.0	SE	0.17	6.0	SSE	77.0	77.9	77.9	------	0.00	0.00	0.000	0.042	75.6	68
7/03/15	6:20p	76.9	77.0	76.9	61	62.4	1.0	SE	0.08	3.0	SSE	76.9	77.8	77.8	------	0.00	0.00	0.000	0.041	75.6	69
7/03/15	6:25p	76.8	76.9	76.8	63	63.2	1.0	SE	0.08	5.0	SE	76.8	77.9	77.9	------	0.00	0.00	0.000	0.041	76.0	71
7/03/15	6:30p	76.5	76.9	76.5	63	63.0	3.0	SE	0.25	6.0	ESE	76.5	77.6	77.6	------	0.00	0.00	0.000	0.040	76.2	70
7/03/15	6:35p	75.7	76.5	75.7	62	61.8	5.0	SE	0.42	10.0	SE	75.7	76.6	76.6	------	0.00	0.00	0.000	0.037	76.0	70
7/03/15	6:40p	75.1	75.7	75.1	63	61.6	4.0	SE	0.33	7.0	SSE	75.1	76.2	76.2	------	0.00	0.00	0.000	0.035	76.0	70
7/03/15	6:45p	74.8	75.1	74.8	65	62.2	3.0	SSE	0.25	8.0	SSE	74.8	76.1	76.1	------	0.00	0.00	0.000	0.034	76.0	70
7/03/15	6:50p	74.5	74.7	74.5	65	62.0	2.0	SE	0.17	5.0	SSE	74.5	75.8	75.8	------	0.00	0.00	0.000	0.033	75.8	70
7/03/15	6:55p	74.2	74.5	74.2	66	62.1	3.0	SSE	0.25	7.0	SSE	74.2	75.5	75.5	------	0.00	0.00	0.000	0.032	76.0	70
7/03/15	7:00p	73.8	74.2	73.8	66	61.7	3.0	SE	0.25	6.0	SSE	73.8	75.0	75.0	------	0.00	0.00	0.000	0.031	76.2	72
7/03/15	7:05p	73.5	73.8	73.5	69	62.7	2.0	SSE	0.17	5.0	SSE	73.5	74.8	74.8	------	0.00	0.00	0.000	0.030	76.3	71
7/03/15	7:10p	73.2	73.5	73.2	68	62.0	2.0	SSE	0.17	7.0	SSE	73.2	74.2	74.2	------	0.00	0.00	0.000	0.028	76.2	70
7/03/15	7:15p	73.0	73.2	73.0	68	61.8	2.0	SE	0.17	4.0	SE	73.0	73.9	73.9	------	0.00	0.00	0.000	0.028	76.0	70
7/03/15	7:20p	72.7	72.9	72.7	70	62.3	2.0	SE	0.17	6.0	SSE	72.7	73.7	73.7	------	0.00	0.00	0.000	0.027	75.8	70
7/03/15	7:25p	72.5	72.7	72.5	69	61.7	1.0	SE	0.08	3.0	SE	72.5	73.3	73.3	------	0.00	0.00	0.000	0.026	75.6	69
7/03/15	7:30p	72.4	72.5	72.4	70	62.1	1.0	SE	0.08	2.0	SE	72.4	73.3	73.3	------	0.00	0.00	0.000	0.026	75.6	69
7/03/15	7:35p	72.4	72.4	72.4	72	62.9	0.0	SE	0.00	1.0	SE	72.4	73.4	73.4	------	0.00	0.00	0.000	0.026	75.4	70
7/03/15	7:40p	72.1	72.4	72.1	73	63.0	1.0	SE	0.08	4.0	SE	72.1	73.0	73.0	------	0.00	0.00	0.000	0.025	75.8	71
7/03/15	7:45p	71.7	72.1	71.7	75	63.4	1.0	SE	0.08	4.0	ESE	71.7	72.6	72.6	------	0.00	0.00	0.000	0.023	75.8	70
7/03/15	7:50p	71.3	71.7	71.3	73	62.2	0.0	---	0.00	0.0	---	71.3	72.0	72.0	------	0.00	0.00	0.000	0.022	75.8	70
7/03/15	7:55p	71.0	71.3	71.0	73	61.9	0.0	SSE	0.00	2.0	SSE	71.0	71.6	71.6	------	0.00	0.00	0.000	0.021	75.6	69
7/03/15	8:00p	70.8	71.1	70.8	76	62.9	0.0	SSE	0.00	2.0	SSE	70.8	71.7	71.7	------	0.00	0.00	0.000	0.020	75.4	69
7/03/15	8:05p	70.5	70.8	70.5	76	62.6	1.0	SE	0.08	5.0	SE	70.5	71.3	71.3	------	0.00	0.00	0.000	0.019	75.6	71
7/03/15	8:10p	70.0	70.4	70.0	77	62.5	3.0	SSE	0.25	5.0	SSE	70.0	70.8	70.8	------	0.00	0.00	0.000	0.017	75.6	71
7/03/15	8:15p	69.7	70.0	69.7	78	62.5	3.0	SSE	0.25	5.0	SSE	69.7	70.7	70.7	------	0.00	0.00	0.000	0.016	75.6	70
7/03/15	8:20p	69.2	69.7	69.2	77	61.7	4.0	SSE	0.33	6.0	SSE	69.2	70.3	70.3	------	0.00	0.00	0.000	0.015	75.4	70
7/03/15	8:25p	68.8	69.2	68.8	79	62.0	3.0	SE	0.25	5.0	SE	68.8	70.2	70.2	------	0.00	0.00	0.000	0.013	75.2	70
7/03/15	8:30p	68.4	68.8	68.4	80	62.0	2.0	SE	0.17	4.0	SE	68.4	69.8	69.8	------	0.00	0.00	0.000	0.012	75.4	72
7/03/15	8:35p	67.9	68.4	67.9	80	61.5	3.0	SE	0.25	6.0	ESE	67.9	69.2	69.2	------	0.00	0.00	0.000	0.010	75.6	71
7/03/15	8:40p	67.7	67.9	67.7	81	61.7	3.0	SE	0.25	6.0	ESE	67.7	69.0	69.0	------	0.00	0.00	0.000	0.009	75.6	70
7/03/15	8:45p	67.4	67.7	67.4	81	61.4	3.0	SE	0.25	6.0	ESE	67.4	68.6	68.6	------	0.00	0.00	0.000	0.008	75.4	70
7/03/15	8:50p	67.2	67.4	67.2	82	61.5	2.0	SE	0.17	5.0	ESE	67.2	68.4	68.4	------	0.00	0.00	0.000	0.008	75.4	70
7/03/15	8:55p	67.1	67.2	67.1	82	61.4	3.0	ESE	0.25	6.0	ESE	67.1	68.3	68.3	------	0.00	0.00	0.000	0.007	75.6	72
7/03/15	9:00p	67.1	67.1	67.1	83	61.8	1.0	ESE	0.08	5.0	E	67.1	68.3	68.3	------	0.00	0.00	0.000	0.007	75.8	70
7/03/15	9:05p	67.0	67.1	67.0	83	61.7	3.0	ESE	0.25	6.0	ESE	67.0	68.2	68.2	------	0.00	0.00	0.000	0.007	75.6	70
7/03/15	9:10p	66.7	66.9	66.7	83	61.4	3.0	ESE	0.25	6.0	ESE	66.7	67.8	67.8	------	0.00	0.00	0.000	0.006	75.4	69
7/03/15	9:15p	66.7	66.7	66.6	84	61.7	1.0	SE	0.08	4.0	SE	66.7	67.9	67.9	------	0.00	0.00	0.000	0.006	75.4	70
7/03/15	9:20p	66.5	66.7	66.5	83	61.2	3.0	SE	0.25	5.0	ESE	66.5	67.6	67.6	------	0.00	0.00	0.000	0.005	75.8	72
7/03/15	9:25p	66.2	66.5	66.2	84	61.2	2.0	SE	0.17	4.0	SE	66.2	67.2	67.2	------	0.00	0.00	0.000	0.004	75.8	71
7/03/15	9:30p	66.1	66.2	66.0	84	61.1	4.0	SE	0.33	6.0	ESE	66.1	67.1	67.1	------	0.00	0.00	0.000	0.004	75.8	69
7/03/15	9:35p	66.2	66.2	66.0	84	61.2	3.0	ESE	0.25	6.0	ESE	66.2	67.2	67.2	------	0.00	0.00	0.000	0.004	75.4	69
7/03/15	9:40p	66.2	66.3	66.2	83	60.9	3.0	ESE	0.25	5.0	ESE	66.2	67.2	67.2	------	0.00	0.00	0.000	0.004	75.4	70
7/03/15	9:45p	65.9	66.2	65.9	85	61.3	2.0	SE	0.17	4.0	SE	65.9	66.9	66.9	------	0.00	0.00	0.000	0.003	75.6	72
7/03/15	9:50p	65.8	66.0	65.8	84	60.8	1.0	SE	0.08	4.0	SE	65.8	66.7	66.7	------	0.00	0.00	0.000	0.003	75.6	70
7/03/15	9:55p	65.8	65.9	65.8	84	60.8	3.0	SE	0.25	5.0	SE	65.8	66.7	66.7	------	0.00	0.00	0.000	0.003	75.4	70
7/03/15	10:00p	65.5	65.8	65.5	85	60.9	3.0	SE	0.25	5.0	SE	65.5	66.4	66.4	------	0.00	0.00	0.000	0.002	75.2	69
7/03/15	10:05p	65.2	65.5	65.2	85	60.6	2.0	SE	0.17	4.0	SE	65.2	66.0	66.0	------	0.00	0.00	0.000	0.001	75.2	70

VEOLIA

Batorski, John <john.batorski@veolia.com>

Re: odor complaint 07/03/15

1 message

Batorski, John <john.batorski@veolia.com> 7 July 2015 at 10:34
To: Denise Figueroa <deefig@gmail.com>
Cc: "deep.aircomplaints@ct.gov" <deep.aircomplaints@ct.gov>, "carmencita.wilson@ct.gov" <carmencita.wilson@ct.gov>, "wzirolli@naugatuck-ct.gov" <wzirolli@naugatuck-ct.gov>, Bob Mezzo <bmezzo@naugatuck-ct.gov>, "cc: seng.phouthakoun@ct.gov" <seng.phouthakoun@ct.gov>, "James R. Stewart PE" <jstewart@naugatuck-ct.gov>

Good Morning ,

Sorry for the late reply. Thank you for reporting the odor. We discussed this odor complaint at length with all shifts and internally with the staff. We had trouble trying to locate the source of the odor you described. There were no trucks unloading during that period nor any plant upsets. During that time a staff member was walking the plant grounds/rooftops specifically checking for odors. In addition, there is resident that lives nearby you and no odors were observed that evening (there was a party outside). There may have been odors associated with fire works though we cannot be 100% certain no legal fireworks were used that evening in this area.That makes it all the more difficult to determine the duration/location of the odor. While I do not doubt you observed an odor, I am unable to pin point the source and I apologize for that.
While the wind at Oxford Airport was SE, the plant recorded SSE which makes it even more difficult. Sorry to say, I cannot objectively determine the cause of the odor you reported. We are sorry you experienced the odor that evening. We take these complaints very seriously and try to be good neighbors.

Thank you,

John Batorski
Plant Manager - Northeast LLC
Municipal & Commercial Business
VEOLIA NORTH AMERICA

tel +1 203 723 1433 / cell +1 203 509 6010
500 Cherry Street / Naugatuck, CT 06770
John.Batorski@veolia.com
www.veolianorthamerica.com

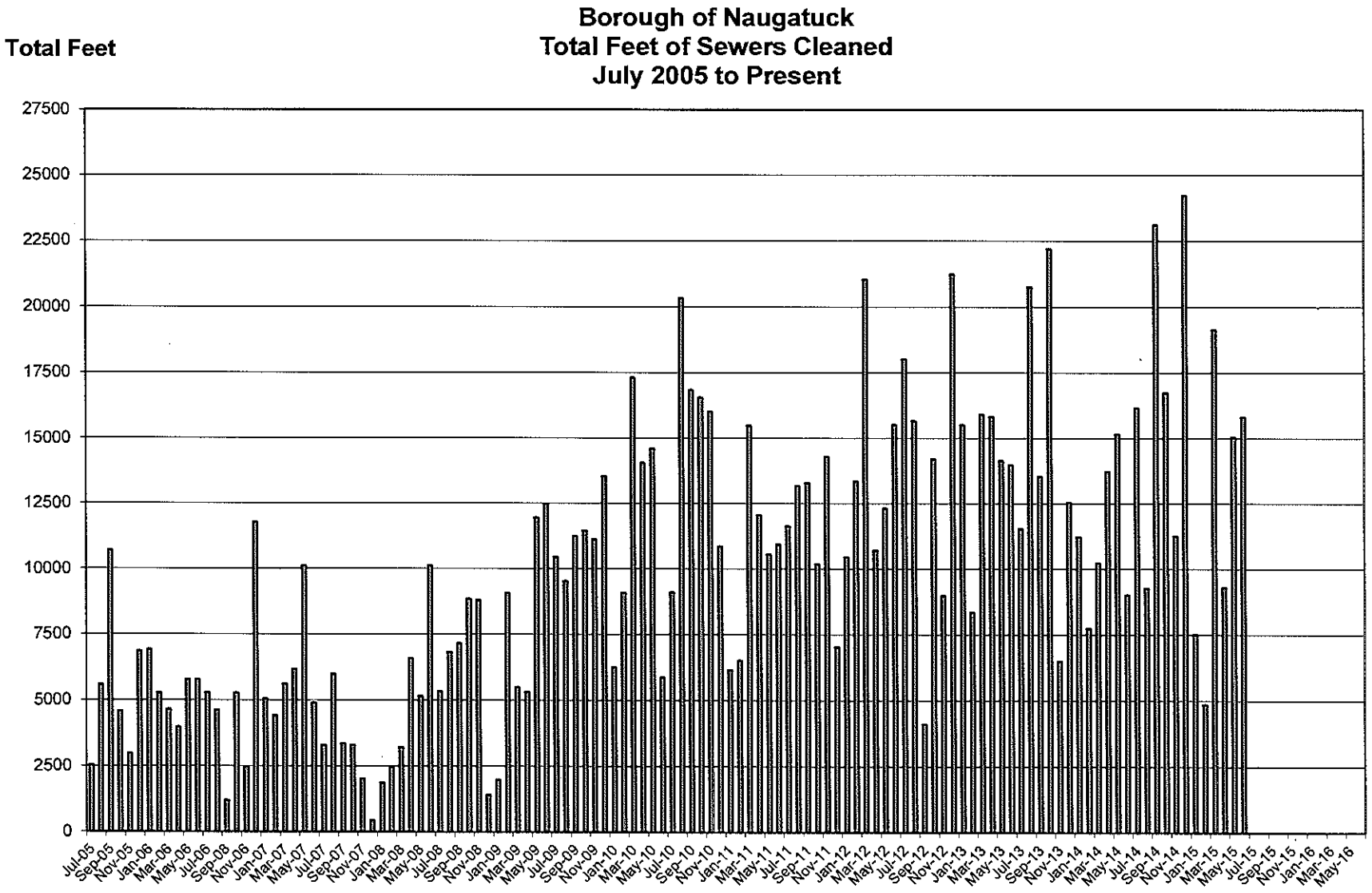
Resourcing the world VEOLIA

On 3 July 2015 at 21:50, Denise Figueroa <deefig@gmail.com> wrote:

> There is a strong odor of sewage tonight. I noticed it around 8pm and it continued to get stronger. We finally had to come inside (all our windows are closed) because the smell is so bad. It is really a shame, as it is a holiday weekend and the weather is beautiful. It would have been nice to be able to leave the windows open.
>
> Please feel free to contact me with any questions you may have,
>
> Denise Figueroa
> deefig@gmail.com
> 203-518-2414
> 326 Cherry St. Ext.
> Naugatuck, CT 06770
>
> Here are the current weather conditions from the National Weather Service:

19°C

Dewpoint 54°F (12°C)
Visibility 10.00 mi
Last update 3 Jul 9:35 pm EDT


Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present
Total Feet
27500
25000
22500
20000
17500
15000
12500
10000
7500
5000
2500
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
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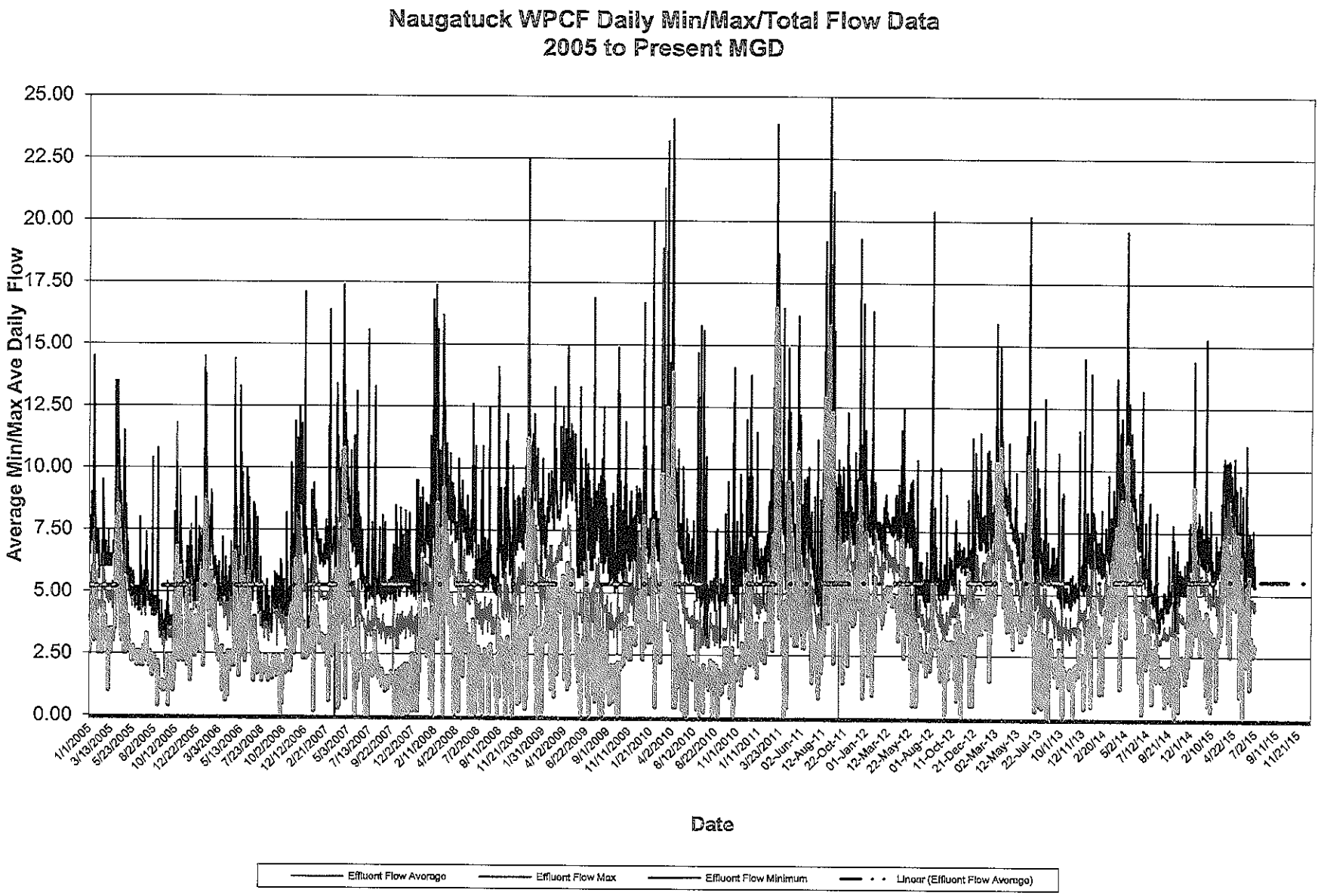
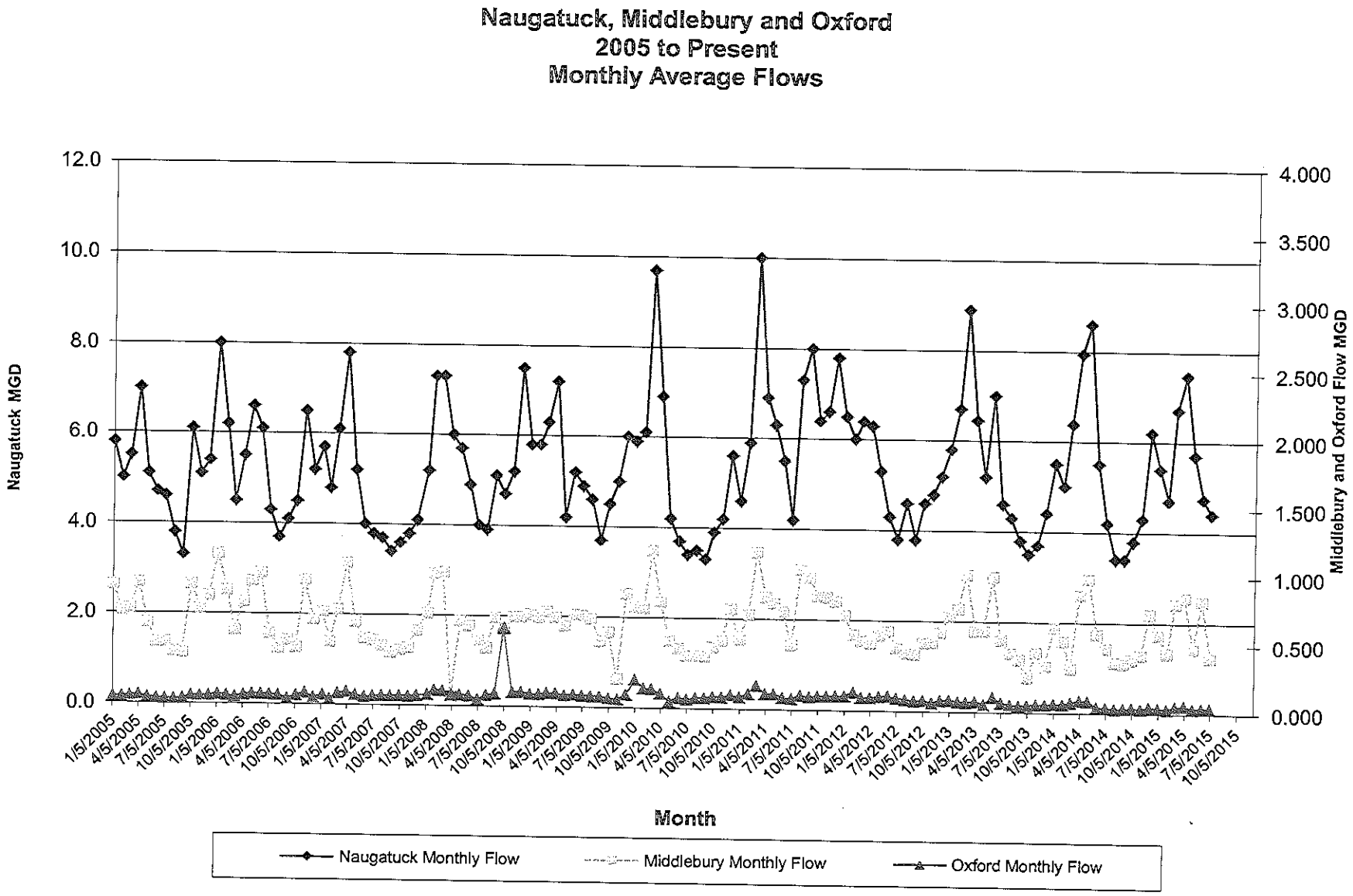
Nov-15
Jan-16
Mar-16
May-16


Naugatuck WPCF Daily Min/Max/Total Flow Data
2005 to Present MGD
Average Min/Max Ave Daily Flow
25.00
22.50
20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
0.00
1/1/2005
3/13/2005
5/23/2005
8/2/2005
10/12/2005
12/22/2005
3/3/2006
5/13/2006
7/23/2006
10/2/2006
12/12/2006
2/21/2007
5/3/2007
7/13/2007
9/22/2007
12/2/2007
2/11/2008
4/22/2008
7/2/2008
9/11/2008
11/21/2008
1/31/2009
4/12/2009
6/22/2009
9/1/2009
11/11/2009
1/21/2010
4/2/2010
6/12/2010
8/22/2010
11/1/2010
1/11/2011
3/23/2011
02-Jun-11
12-Aug-11
22-Oct-11
01-Jan-12
12-Mar-12
22-May-12
01-Aug-12
11-Oct-12
21-Dec-12
02-Mar-13
12-May-13
22-Jul-13
10/1/13
12/11/13
2/20/14
5/2/14
7/12/14
9/21/14
12/1/14
2/10/15
4/22/15
7/2/15
9/11/15
11/21/15
Date
Effluent Flow Average
Effluent Flow Max
Effluent Flow Minimum
Linear (Effluent Flow Average)


Naugatuck, Middlebury and Oxford
2005 to Present
Monthly Average Flows
Naugatuck MGD
Middlebury and Oxford Flow MGD
12.0
10.0
8.0
6.0
4.0
2.0
0.0
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
1/5/2005
4/5/2005
7/5/2005
10/5/2005
1/5/2006
4/5/2006
7/5/2006
10/5/2006
1/5/2007
4/5/2007
7/5/2007
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7/5/2013
10/5/2013
1/5/2014
4/5/2014
7/5/2014
10/5/2014
1/5/2015
4/5/2015
7/5/2015
10/5/2015
Month
Naugatuck Monthly Flow
Middlebury Monthly Flow
Oxford Monthly Flow