



November 7, 2014

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

Re: October 2014 Monthly Operating Report

Dear Mr. Merancy:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC

A handwritten signature in cursive script, appearing to read "John Batorski".

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)

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

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

1. Highlights and Significant Issues: Please refer to the report.

2. Collection System Update:

Please see attached Collections Report.

3. Plant Performance Summary:

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

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	235
Effluent Avg.	30	5
Removal Efficiency	85%	98%
Plant Process Data*	Limit	Actual
Carbonaceous BOD		
Influent Avg.	-	172
Effluent Avg.	30	4
Removal Efficiency	85%	98%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
Oct Flow Avg. (MGD)	3.8	0.396	0.041	N/A
Sept Flow Avg. (MGD)		0.367	0.038	
Sludge Liquid Total (MGal)				3986.0
Sludge Cake Total (Wet Tons)				5375.0
Septage Total (MGal)	70,190	40,000	230,250	664,050
Discharge Permit Exceedance: None				

Safety Incidents and Odor Complaints

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	5	12
Unconfirmed Odor Complaints	0	1

1. Compliance & Regulatory Issues

- a. There were 5 recorded Odor Complaints in October. The source of the odor for one complaint was attributed to a failed vertical conveyor. The sludge inside the conveyor had to be cleaned, thus there were odors. The other odor complaints were from Oct. 25. No cause was determined for those odor complaints. On Oct 27. Charmaine Molyneaux an odor inspector from CTDEEP toured the facility for approximately 2 hours investigating the odor complaint from the previous weekend. No nuisance odors were detected during her visit nor did she observe any odors downwind of the facility before her tour.
- b. Another complaint was received Oct 27 regarding truck traffic. A tanker truck delivery of a wastewater chemical around 6 AM was the source of the complaint. Chemical trucks traditionally have not used the plant access road. Their drivers are contract drivers and it is difficult to get them to use the access road. In addition, that access road requires signed acknowledgement from the

Borough of Naugatuck
Monthly WPCF Report October 2014

trucking companies that they will adhere of the rules of the access road as it is owned by Chemtura.

2. Personnel

- a. A licensed electrician and a plumber were hired.

3. Health & Safety

- a. Monthly safety meetings were held.
- b. SPCC training is scheduled for Nov 11, 2014.
- c. Confined Space training took place on Oct 22.

4. Operational Information

- a. The incinerator was briefly shutdown in October to repair an exhaust duct expansion joint.
- b. The roll up door in the dewatering building failed and was replaced.
- c. The diffusers in aeration tanks #5 and #6 were changed the week of Oct. 6th.
- d. Grease was removed from the wet wells.

5. Collections

- a. There was an issue with a manhole in a ball field. The Asst Chairman of the WPCA Board reported odors from the manhole. The crew repointed the bricks and sealed the manhole. There was confusion regarding this manhole as in the spring staff replaced the vented manhole with a sealed one. For some reason, repairs to the brick were not completed at that time. Pictures and an email chain are included in the report.
- b. The collections blockage along the Metro North track cost was revised slightly to \$48,840.35. The September WPCA report listed the total as \$48,581.77. The difference of \$255.58 is attributed to final invoices from vendors.

6. Maintenance

- a. A vertical conveyor failed in early October. The replacement screw was replaced.
- b. There is an issue with one of the six silo feed conveyors. A shutdown has been scheduled for Nov 18 to empty the sludge cake silo and inspect possibly repair the feed screw.
- c. The roof repairs on the sludge storage dome roof are complete.
- d. A seal on the rotodiff for the centrifuge failed and was repaired.
- e. Installation of a spare backup air compressor is complete.
- f. The Borger pump cartridge for the centrifuge was replaced.
- g. The valve actuator for the DO valve control #6 was replaced.

7. Capital Projects

- a. No report.

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



Calls for Service	
1	none
2	
3	
4	
5	
6	

This Month
0

Year to Date
6

Calls Caused By Collection System	
1	none
2	
3	
4	

Reason

Video Inspections			
	Street Name	Type	Footage
1	none		
2			
3			
4			
5			

This Month
0 **Foot**

Year to Date
2480 **Foot**

High Velocity Cleaning			
	Street Name	Date	Footage
1	Johnson st 7-226 to 7-225	1-Oct	150
2	Johnson st 7-225 to 7-224	1-Oct	268
3	Mckingley st 7-235 to 7-224	1-Oct	173
4	John st 7-224 to 7-221	1-Oct	597
5	Woodland st 10-130 to 10-131	6-Oct	300
6	Woodland st 10-133 to 10-130	6-Oct	215
7	Homestead 10-34 to 10-380	6-Oct	330
8	Pheonix no M/H #s	6-Oct	400
9	Prospect st syphon 7-99 to 7-140	9-Oct	345
10	Gail dr 3-127 to 3-131	10-Oct	150
11	David st 3-126 to 3-127	10-Oct	800
12	Ponview dr No M/H #s	10-Oct	650
13	City Hill 7-206 to 7-207A	13-Oct	250
14	City Hill 7-207 to 7-206	13-Oct	220
15	Locust 7-128 to 7-129	13-Oct	285
16		13-Oct	225
17	Picture In	13-Oct	320
18	Sheffield	13-Oct	155
19	Sheffield 7-137 to 7-158	13-Oct	320
20	Porter ave 3-10 to 2-30	14-Oct	160
21	Spring st 2-14 to 2-14A	14-Oct	225
22	Spring st 7-16 to 7-41	14-Oct	500
23	Brennan st 7-42 to 7-51	14-Oct	480
24	Diamond st 7-41 to 7-52	14-Oct	200
25	Crown st no M/H #s	14-Oct	440
26	Mulberry st 11-16 to 11-17	14-Oct	365
27	N. Main st no M/H #	15-Oct	260
28	N. Main st 7-87 to 7-260	15-Oct	420
29	N. Main st 7-70A to 7-286	15-Oct	725
30	N. Main st 7-286 to 7-289	15-Oct	580
31	Endogen 7-254 to 7-256	20-Oct	400
32	Coen st 10-180 to 7-245	20-Oct	410
33	Sweeny st 6-179 to ??	21-Oct	190
34	Millville Ave 6-115 to 6-167	21-Oct	225
35	Ward st 12-17 to 10-213	21-Oct	1250
36	Cherry st 9-73 to 12-19	21-Oct	365
37	Mulberry st 11-2 to 11-3	21-Oct	300
38	High st 10-150 to ??	21-Oct	620
39	High st 10137 to 10-139	21-Oct	275
40	Trowbridge 9-181 to 9-182	23-Oct	385
41	Noble 9-180 to 9-181	23-Oct	175
42	Noble ?? To 9-180	23-Oct	100
43	Moore st 9-179 to 9-180	23-Oct	175
44	Gorman st 9-54 to 9-57	24-Oct	635
45	Gorman st 9-75 to 9-76	24-Oct	730
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			

6 month list
Call for service

This Month
16743 Feet

Year to Date
65276 Feet

Root Treatment			
	Street Name	Type	Footage
1	none		
2			
3			

This Month	Year to Date
0 Feet	3551 Feet

Pump Station Services				
	Work performed	Location	Date	Notes
1	Weekly pump station checks	All 5	10/3/2014	Platts Mill #2 float was replaced
2	Weekly pump station checks	All 5	10/10/14	Hop Brook check valves were replaced
3	Weekly pump station checks	All 5	10/17/2014	Maple/May pump hour meters replaced
4	Weekly pump station checks	All 5	10/24/2014	
5	Weekly pump station checks	All 5	10/31/2014	Platts Mill gas meter replaced
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	102.80	244.9	0.1
	Start Reading	58.00	222.2	0.1
	Hrs Run	44.80	22.7	0.0

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	3169.8	2455.2
	Start Reading	3151.6	2438.6
	Hrs Run	18.2	

These start readings are from 10/17/14

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Platts Mill	End Reading	4206.9	5119.7
	Start Reading	4167.4	5008.4
	Hrs Run	39.5	111.3

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	1046.5	696.1
	Start Reading	1037.8	691.9
	Hrs Run	8.7	4.2

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	7590.5	9399.9
	Start Reading	7545.2	9357.7
	Hrs Run	45.3	42.2



Sent via certified mail #7009 2820 0004 1018 1238 on November 7, 2014

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

November 7, 2014

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

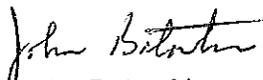
Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report* for October 2014. 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 October 2014.

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)

Units	Daily Flow		Primary Sludge		Aeration Tank #1		Aeration Tank #2		Return Sludge		Return Sludge		Waste Sludge		Dry Solids to Incineration		Waste Accepted		CBOD (5-Day)	
	Max.	Min.	Vol.	% solids	MLSS	SVI	High D.O.	Low D.O.	MLSS	SVI	% Flow % Solids	High D.O.	Low D.O.	% Flow % Solids	lbs	Wk Day	Septic	Indust	Inf.	Prim eff.
mgd	mgd	MG	wt.	lbs.	mg/l	mg/l	mg/l	mg/l	Work Day	Work Day	Work Day	4/Work Day	4/Work Day	Work Day	Wk Day	gal	gal	mg/l	mg/l	mg/l
1	7.8	0.9	4.5	0.502	4,656	79	1.9	0.5	166	0.93	4,700	94	0.84	1.02	128,639	37,950	200	140	<4	<4
2	6.6	3.2	4.7	0.405	4,656	46	4.4	0.9	159	0.72			0.88	0.56	131,520	40,250				
3	5.7	1.9	3.3	0.471	11,876	96	1.2	1.6	412	1.02			1.08	0.95	148,536	32,750				
4	6.0	1.5	3.8	0.462	7,424		2.0	0.8	265						17,269	15,250				
5	7.2	1.1	4.3	0.472			1.7	1.1	229						17,269	0				
6	5.5	2.7	4.0	0.425			94	1.7	1.1	266	1.15		1.37	0.93	13,696	50,050	250			<4
7	4.4	2.6	3.4	0.532	7,124	92	5.0	1.1	328	1.14			1.30	0.98	152,586	41,950	150			<4
8	4.4	0.1	2.8	0.552	7,296	91	1.7	1.1	393	1.10			1.26	0.93	0	51,250	190	140		<4
9	3.6	0.7	2.1	0.543	7,336	81	1.7	1.1	523	1.04			1.17	0.91	0	34,950				
10	4.3	0.7	2.7	0.549	6,764	75	5.0	1.1	391	0.53			0.66	0.39	0	47,500				
11	5.5	2.1	3.7	0.539	4,380		1.8	1.0	289				1.9	0.9	0	6,500				
12	4.8	1.7	3.3	0.555			1.9	1.0	328				1.8	1.1	0	0				
13	6.3	1.7	3.7	0.523			67	5.0	312	0.59	3,620	64	5.0	1.0	72,061	32,020	190			<4
14	4.7	0.9	3.5	0.676	3,132	60	1.7	1.1	325	0.60	3,576	62	3.3	0.0	116,894	35,200	190			<4
15	5.0	1.8	3.5	0.362	3,352	51	1.8	1.0	308	0.72	3,816	58	3.4	0.0	139,309	30,500	180	90		<4
16	6.8	3.3	4.9	0.542	3,912	78	1.7	1.1	218	0.68	3,744	59	3.1	0.0	176,928	34,300				
17	5.3	2.8	4.2	0.543	2,956	69	1.8	1.0	256	0.66	3,920	56	2.5	0.0	182,244	36,500				
18	5.5	2.4	4.1	0.548	3,208		5.0	1.0	263				4.5	0.8	0	17,500				
19	5.4	1.6	3.9	0.530			5.0	1.0	296				4.5	0.8	0	3,250				
20	5.8	0.3	3.5	0.537			56	1.8	0.0	0.48	2,280	75	5.0	0.0	166,416	41,500	130			<4
21	5.3	2.3	3.9	0.525	4,112	66	1.8	0.9	286	0.48	3,688	54	2.6	1.1	174,024	43,250	110			<4
22	4.6	2.1	3.9	0.546	3,032	58	1.9	0.9	291	0.50	2,672	75	3.0	0.2	155,259	34,000	140	67		<4
23	5.2	2.5	4.3	0.539	3,812	48	2.0	0.7	243	0.49	3,104	61	2.9	0.1	131,520	44,500				
24	5.1	2.5	4.0	0.516	4,540	50	1.9	0.9	294	0.50	3,468	61	2.8	0.3	167,124	46,200				
25	6.0	2.4	4.0	0.526	4,164		2.1	0.8	239				3.8	0.7	171,124	10,550				
26	5.5	2.5	4.1	0.516			2.2	0.6	275				3.8	0.0	192,840	2,000				
27	5.3	2.3	4.0	0.524			59	5.0	291	0.57	3,708	59	5.0	0.7	175,752	46,500	180			<4
28	5.0	2.3	4.0	0.516	2,724	56	2.3	0.6	264	0.64	3,588	61	5.0	0.9	180,900	54,050	150			<4
29	5.2	2.3	4.0	0.532	3,012	62	2.2	0.6	268	0.72	3,532	62	3.4	1.0	180,900	51,450	180	100		<4
30	5.8	2.3	4.0	0.527	2,912	50	2.1	0.7	267	0.41	3,484	57	3.2	0.6	177,468	32,070				
31	5.8	2.4	3.9	0.527	1,992	63	2.0	0.7	284	0.53	3,144	64	3.2	0.9	166,416	50,750				
Total	169.4	59.9	117.87		2,680										103,144	4,927,137	104,490			
Ave.	5.5	1.9	3.8	0.518	4,626	67	2.6	0.9	291	0.70	3,503	64	3.5	0.5	158,940	32,403	172	107		4

Page 2 of 3 of MOR for Naugatuck WPCF

Units	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.	mg/l	Wk Day	NTU	Wk Day	lbs				4/Work Day	mg/l	high	low	mg/l	3/week	Mthly	3/wk	Inf.	Prim Eff.	Final Eff.
1	280	140	<5	0.0	0.0	2.5	9.89	0.26	0.00	0.00	0.00	0.00	27.70	22.8	0.36	<0.010	<0.010	<0.010	4.260	42.40	38.10	1.930	
2				0.0	0.0	1.9	0.00	0.00															
3				0.0	0.0	3.1	0.00	0.00															
4							0.00	0.00															
5							0.00	0.00															
6	140		<5	0.0	0.0	1.9	0.00	0.00					27.40		0.30	<0.010	0.020	<0.010	1.460	54.20		1.570	
7	79		<5	0.0	0.0	2.5	0.00	0.00					27.30		0.12	<0.010	0.020	<0.010	2.110	44.00		1.520	
8	240	140	<5	0.0	0.0	1.8	0.00	0.00					26.40		0.23	<0.010	<0.010	<0.010	3.720	44.10		2.060	
9				0.0	0.0	2.0	0.00	0.00															
10				0.0	0.0	2.2	0.00	0.00															
11							0.00	0.00															
12							0.00	0.00															
13	260		<5	0.0	0.0	3.2	0.00	0.00					28.00		0.15	<0.010	<0.010	<0.010	3.420	45.30		1.980	
14	290		<5	0.0	0.0	3.4	0.00	0.00					26.40		0.22	0.020	<0.010	<0.010	3.620	48.80		2.330	
15	270	120	<5	0.0	0.0	3.6	0.00	0.00					28.70		0.13	0.010	<0.010	<0.010	2.820	46.50		1.800	
16				0.0	0.0	5.4	0.00	0.00															
17				0.0	0.0	5.2	0.00	0.00															
18							0.00	0.00															
19							0.00	0.00															
20	190		6	0.0	0.0	5.8	0.00	0.00					26.00		0.41	0.010	0.020	<0.010	3.910	41.90		2.290	
21	130		8	0.0	0.0	4.7	0.00	0.00					25.60		0.29	0.010	0.010	<0.010	2.930	37.30		2.620	
22	130	71	<5	0.0	0.0	5.3	0.00	0.00					24.00		0.35	0.020	0.020	<0.010	3.230	35.40		2.270	
23				0.0	0.0	5.4	0.00	0.00															
24				0.0	0.0	4.4	0.00	0.00															
25							0.00	0.00															
26							0.00	0.00															
27	330		<5	0.0	0.0	5.0	0.00	0.00					22.60		0.38	0.130	0.020	<0.010	3.980	46.00		2.170	
28	420		7	0.0	0.0	3.3	0.00	0.00					25.30		0.30	0.010	0.020	<0.010	3.670	41.60		2.210	
29	300	120	5	0.0	0.0	6.0	0.00	0.00					25.90		0.25	0.220	0.010	0.11	3.450	40.80		2.080	
30				0.0	0.0	4.3	0.00	0.00															
31				0.0	0.0	3.0	0.00	0.00															
Total																							
Ave.	235	118	5	0.0	0.0	3.7	0.32	0.01					26.25	22.8	0.27	0.037	0.010	0.016	0.02	0.01	3.275	38.10	2.064

Page 3 of 3 of MOR for Naugatuck WPCF

Units	Freq	Total N		Total Low D.O.	pH		Total P		Total P		Ortho P		Temp.		Arsenic	Copper	Nickel	Selenium	Zinc		Alkalinity		
		Inf. Eff.	Final Eff.		Inf. Eff.	Final Eff.	Inf. Eff.	Final Eff.	Inf. Eff.	Final Eff.	Inf. Eff.	Final Eff.	Inf. Eff.	Final Eff.					Inf. Eff.	Final Eff.	Pri. Eff.	Final Eff.	
		mg/l	Monthly	lb/d	Mthly	4/wk day	S.U.	mg/l	Nov-March (Monthly) (April-October) 2/week	mg/l	Apr - Oct	mg/l	Nov-March (Monthly) (April - October) 2/week	F	Work day	wkly	Mthly	kg/d	Wkly	kg/d	Wkly		
		mg/l	Monthly	lb/d	Mthly	4/wk day	S.U.	mg/l	Nov-March (Monthly) (April-October) 2/week	mg/l	Apr - Oct	mg/l	Nov-March (Monthly) (April - October) 2/week	F	Work day	wkly	Mthly	kg/d	Wkly	kg/d	Wkly		
1		42.4	38.1	6.2	233	7.1	7.1	6.7	5.06	12.60	471	2.46	11.10	71.6	81.3	0.004	0.012	0.40	0.08	1.243	120	50	
2						6.7	7.3	6.7						70.2	82.4						100	50	
3						6.9	7.2	7.1						71.2	84.4						120	50	
4																							
5																							
6		54.2		3.0	100	6.9	7.2	7.1		5.40	181		5.40	21.0	81.7							90	50
7		44.0		3.6	102	6.9	7.2	7.0						21.6	83.3							100	50
8		44.1		5.8	135	6.7	7.1	6.9		6.83	158		6.90	71.1	81.5	0.007	0.34	0.07	1.302	110	40	100	40
9						7.0	7.2	6.8						70.5	85.5							100	40
10						7.1	7.2	6.7						69.1	83.5							100	40
11																							
12																							
13		45.3		5.4	167	7.4	7.3	6.8		13.00	399		12.50	67.5	81.9							100	40
14		48.8		6.0	175	7.1	6.4	6.7						80.1	80.4							130	50
15		46.5		4.6	134	7.5	7.2	6.7		13.60	395		13.00	70.7	80.8	0.006	0.35	0.04	0.940	110	50	80	50
16						7.0	7.3	6.7						70.0	83.5							80	50
17						6.7	7.1	6.7						69.3	77.5							90	40
18																							
19																							
20		41.9		6.2	181	6.8	7.4	6.6		14.20	416		14.00	68.9	77.9							90	40
21		37.3		5.6	182	6.8	7.3	6.6						65.8	78.3							110	30
22		35.4		5.5	179	6.8	7.3	6.6		13.40	440		13.00	67.5	80.6	0.009	0.28	0.04	0.831	90	30	Authorized Official:	
23						6.7	7.4	6.6						66.7	79.5							130	30
24						7.0	7.0	6.4						65.7	78.3							100	30
25																							
26																							
27		46.1		6.2	207	6.7	7.5	6.8		11.30	372		11.30	68.5	78.1							90	30
28		41.6		5.9	197	6.7	7.3	6.7						65.7	78.6							120	60
29		41.1		5.5	183	7.1	7.4	6.8		11.80	396		11.50	67.6	78.1	0.006	0.55	0.16	0.982	90	30	Date:	
30						7.0	7.5	6.8						66.7	81.0							110	30
31						7.1	7.4	6.8						66.4	77.5							110	30
Total																							
Ave		43.8	38.1	5.3	167	6.9	7.2	6.8	5.06	11.35	359	2.46	10.97	69.2	80.7	0.004	0.012	0.38	0.08	1.060	104	41	

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

Authorized Official:
John Batorek
Title: Plant Manager

Signature: *John Batorek*
Date: 11-7-14



Naugatuck Plant Samples by Intake Forecast Summary

Sample Date Range 10/1/2014 - 10/31/2014
 Forecast Date Range 11/1/2014 - 10/31/2014
 Number of Forecast Days: 0

Bates, Inc.	Forecasted New Intake	Forecasted Total
Liquid Sludge	0	6,000
Total Gallons: 6,000		
Total Samples for Bates, Inc.: 1		
<hr/>		
Beacon Falls Treatment	Forecasted New Intake	Forecasted Total
Liquid Sludge	0	104,000
Total Gallons: 104,000		
Total Samples for Beacon Falls Treatment: 16		
<hr/>		
Bennett Septic	Forecasted New Intake	Forecasted Total
Septage	0	221,000
Total Gallons: 221,000		
Total Samples for Bennett Septic: 59		
<hr/>		
Bill Dunn Sanitation	Forecasted New Intake	Forecasted Total
Septage	0	72,600
Total Gallons: 72,600		
Total Samples for Bill Dunn Sanitation: 37		
<hr/>		
Bill Marek Excavating & Septic Systems	Forecasted New Intake	Forecasted Total
Septage	0	51,000
Total Gallons: 51,000		
Total Samples for Bill Marek Excavating & Septic Systems: 17		
<hr/>		
Bristol	Forecasted New Intake	Forecasted Total
Cake Sludge	0	442
Total Tons: 441.72		
Total Samples for Bristol: 31		
<hr/>		
Casella Chicopee	Forecasted New Intake	Forecasted Total
Cake Sludge	0	503
Total Tons: 502.74		
Total Samples for Casella Chicopee: 21		
<hr/>		
Casella Glen Cove	Forecasted New Intake	Forecasted Total
Cake Sludge	0	288
Total Tons: 287.66		
Total Samples for Casella Glen Cove: 11		
<hr/>		
Casella Huntington	Forecasted New Intake	Forecasted Total
Cake Sludge	0	382
Total Tons: 382.06		
Total Samples for Casella Huntington: 14		

	Forecasted New Intake	Forecasted Total
Casella Poughkeepsie		
Cake Sludge	0	231
Total Tons: 231.17		
Total Samples for Casella Poughkeepsie: 10		
Casella Suffolk NY		
Cake Sludge	0	911
Total Tons: 911.11		
Total Samples for Casella Suffolk NY: 35		
Casella Yorktown Heights		
Cake Sludge	0	76
Total Tons: 75.99		
Total Samples for Casella Yorktown Heights: 6		
Chatfield		
Septage	0	16,000
Total Gallons: 16,000		
Total Samples for Chatfield: 20		
Country Septic		
Liquid Sludge	0	6,500
Total Gallons: 6,500		
Total Samples for Country Septic: 1		
East Coast Septic		
Septage	0	140,000
Total Gallons: 140,000		
Total Samples for East Coast Septic: 35		
Grieger Excavating		
Septage	0	22,500
Total Gallons: 22,500		
Total Samples for Grieger Excavating: 9		
Heritage Village Water		
Liquid Sludge	0	58,500
Total Gallons: 58,500		
Total Samples for Heritage Village Water: 9		
HI Stone Septic		
Septage	0	2,400
Total Gallons: 2,400		
Total Samples for HI Stone Septic: 1		
IBM Fishkill		
Liquid Sludge	0	30,500
Total Gallons: 30,500		
Total Samples for IBM Fishkill: 5		

<u>Koseski Septic</u>			
Septage	Forecasted New Intake	Forecasted Total	
Total Gallons: 121,500	0	121,500	
Total Samples for Koseski Septic: 41			
<hr/>			
<u>Litchfield</u>			
<u>Liquid Sludge</u>	Forecasted New Intake	Forecasted Total	
Total Gallons: 32,500	0	32,500	
Total Samples for Litchfield: 5			
<hr/>			
<u>Lynwood Place</u>			
Septage	Forecasted New Intake	Forecasted Total	
Total Gallons: 39,000	0	39,000	
Total Samples for Lynwood Place: 6			
<hr/>			
<u>Mahopac Septic</u>			
<u>Liquid Sludge</u>	Forecasted New Intake	Forecasted Total	
Total Gallons: 567,000	0	567,000	
Total Samples for Mahopac Septic: 95			
<hr/>			
<u>Maslar's Party Rentals</u>			
Septage	Forecasted New Intake	Forecasted Total	
Total Gallons: 270	0	300	
Total Samples for Maslar's Party Rentals: 1			
<hr/>			
<u>New England Septic</u>			
Septage	Forecasted New Intake	Forecasted Total	
Total Gallons: 201,000	0	201,000	
Total Samples for New England Septic: 67			
<hr/>			
<u>New Rochelle</u>			
<u>Cake Sludge</u>	Forecasted New Intake	Forecasted Total	
Total Tons: 2,061.48	0	2,061	
Total Samples for New Rochelle: 88			
<hr/>			
<u>North Canaan</u>			
<u>Liquid Sludge</u>	Forecasted New Intake	Forecasted Total	
Total Gallons: 45,500	0	45,500	
Total Samples for North Canaan: 7			
<hr/>			
<u>Oxbury Sanitation</u>			
Septage	Forecasted New Intake	Forecasted Total	
Total Gallons: 75,000	0	75,000	
Total Samples for Oxbury Sanitation: 25			
<hr/>			
<u>Pawling</u>			
<u>Liquid Sludge</u>	Forecasted New Intake	Forecasted Total	
Total Gallons: 58,500	0	58,500	
Total Samples for Pawling: 9			
<hr/>			
<u>Plymouth</u>			
	Forecasted New Intake	Forecasted Total	

	Forecasted New Intake	Forecasted Total
Veolia Bedford Hills		
Liquid Sludge		
Total Gallons: 32,500	0	32,500
Total Samples for Veolia Bedford Hills: 5		
Veolia Danbury		
Cake Sludge		
Total Tons: 154.65	0	155
Total Samples for Veolia Danbury: 7		
Veolia North Haven		
Liquid Sludge		
Total Gallons: 117,000	0	117,000
Total Samples for Veolia North Haven: 18		
Veolia Pepsi		
Liquid Sludge		
Total Gallons: 6,500	0	6,500
Total Samples for Veolia Pepsi: 1		
Veolia Poughkeepsie		
Liquid Sludge		
Total Gallons: 338,000	0	338,000
Total Samples for Veolia Poughkeepsie: 52		
Veolia Seymour		
Cake Sludge		
Total Tons: 99.26	0	99
Total Samples for Veolia Seymour: 13		
VES Americas Styrenics		
Industrial Waste Water		
Total Gallons: 12,500	0	12,500
Total Samples for VES Americas Styrenics : 2		
VES PPL Wallingford		
Industrial Waste Water		
Total Gallons: 2,700	0	2,700
Total Samples for VES PPL Wallingford: 1		
VES Styron		
Industrial Waste Water		
Total Gallons: 18,502	0	18,500
Total Samples for VES Styron: 5		
Westport		
Liquid Sludge		
Total Gallons: 123,500	0	123,500
Total Samples for Westport: 19		

Windham

Liquid Sludge

Total Gallons: 383,500

Total Samples for Windham: 59

Forecasted New Intake

0

Forecasted Total

383,500

Total Gallons for all Customers 10/1/2014 - 10/31/2014: 5,436,472

Total Tons for all Customers 10/1/2014 - 10/31/2014: 5,375.01

Total Samples for all Customers 10/1/2014 - 10/31/2014: 1323

5,436,500

5,375

DMR Copy of Record

Permit: CT0100041
Permittee Address: NAUGATUCK WPCF
 500 CHERRY STREET
 NAUGATUCK, CT 06770
Facility Location: NAUGATUCK, BOROUGH OF
 500 CHERRY STREET
 NAUGATUCK, CT 06770
Discharge: 001-1
 SANITARY SEWAGE
DMR Due Date: 11/15/14
Status: NetDMR Validated
Monitoring Location: From 10/01/14 to 10/31/14
Considerations for Form Completion:

Principal Executive Officer: John Batonski
Title: Plant Manager
Telephone: 203-723-1433
Monitoring Location: 1 - Effluent Cross
Season: 0
Param NODI:

Code	Parameter Name	Monitoring Location	Season #	Param NODI	Sample Permit Req.	Value 1	Qualifier	Value 2	Qualifier	Value 3	Qualifier	Units	# of Ex.	Frequency of Analysis	Sample Type
00058	Flow rate	1 - Effluent Cross	0	-	Sample Permit Req.	3.5	=	4.9	=	Req Mon MO AVG	Req Mon DAILY	MCD	03 - MCD	9899 - Continuous	TM - TOTALZ
00300	Oxygen, dissolved (DO)	1 - Effluent Cross	0	-	Sample Permit Req.	6.7	>=	5 INST MIN	>=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	9900 - Continuous	TM - TOTALZ
00310	BOD, 5-day, 20 deg. C	T - See Comments	0	-	Sample Permit Req.	6.4	=	6 INST MIN	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0101 - Daily	GR - GRAB
00400	pH	1 - Effluent Cross	0	-	Sample Permit Req.	6.4	>=	6 INST MIN	>=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0101 - Daily	GR - GRAB
00500	Solids, total suspended	1 - Effluent Cross	0	-	Sample Permit Req.	5	=	8	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0307 - Three Per Week	CP - COMPOS
00530	Solids, total suspended	G - Raw Sewage Influent	0	-	Sample Permit Req.	30 MO AVG	<=	48 DAILY MAX	<=	Req Mon MO AVG	Req Mon DAILY MAX	MCD	03 - MCD	0307 - Three Per Week	CP - COMPOS
00580	Solids, total suspended	T - See Comments	0	-	Sample Permit Req.	0.3	=	3 MO AVG	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0307 - Three Per Week	CP - COMPOS
00610	Nitrogen, ammonia total (as N)	1 - Effluent Cross	3	-	Sample Permit Req.	0.07	=	0.07	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0100 - Quarterly	CP - COMPOS
00610	Nitrogen, ammonia total (as N)	T - See Comments	0	-	Sample Permit Req.	0.02	=	0.02	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0100 - Quarterly	CP - COMPOS
00615	Nitrogen, nitrite total (as N)	T - See Comments	0	-	Sample Permit Req.	2.11	=	2.11	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0100 - Quarterly	CP - COMPOS
00620	Nitrogen, nitrate total (as N)	T - See Comments	0	-	Sample Permit Req.	2.11	=	2.11	=	Req Mon DAILY MAX	Req Mon DAILY MAX	MCD	03 - MCD	0100 - Quarterly	CP - COMPOS

Sent electronically 11-7-14

Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.		
80128	BOD, carbonaceous, 5 day, 5 C	0	G - Raw Sewage Influent	80128	BOD, carbonaceous, 5 day, 5 C	0	T - See Comments	81911	Solids, suspended percent removal	0	K - Percent Removal
81303	Carbonaceous oxygen demand, % removal	0	K - Percent Removal	81303	Carbonaceous oxygen demand, % removal	0	K - Percent Removal	TDA3D	Nasal Stalk 48-Hr Acute D. Pylor	0	T - See Comments
TDA6C	Nasal Stalk 48-Hr Acute Pinephace	0	T - See Comments								

Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.	Value NODI	Sample Permit Reg.
172	Req Mon MO AVG	19 - mg/L	0307 - Three Per Week	19 - mg/L	0307 - Three Per Week	19 - mg/L	0190 - Quarterly	23 - %	0307 - Three Per Week
0.4	Req Mon DAILY MX	19 - mg/L	0190 - Quarterly	19 - mg/L	0190 - Quarterly	23 - %	0307 - Three Per Week	23 - %	0307 - Three Per Week
96	96 MIN % RMY	27 - % survival	0190 - Quarterly	96	96 MIN % RMY	27 - % survival	0190 - Quarterly	96	96 MIN % RMY
100	100 MINIMUM	27 - % survival	0190 - Quarterly	100	100 MINIMUM	27 - % survival	0190 - Quarterly	100	100 MINIMUM
90	90 MINIMUM	27 - % survival	0190 - Quarterly	90	90 MINIMUM	27 - % survival	0190 - Quarterly	90	90 MINIMUM

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.

Attachments
 No attachments.

Report Last Saved By
 NAUGATUCK WPCF

User: John.Batorski@veoliawatersms.com
Name: John Batorski
E-Mail: John.Batorski@veoliawatersms.com

Date/Time: 2014-11-07 14:41 (Time Zone: -05:00)



Sent Certified R.R.R. mail #7009 2820 0004 1018 1184 on Oct. 14, 2014

Water Toxics Program Coordinator
Connecticut Department of Energy and Environmental Protection
Bureau of Water Protection & Land Reuse
79 Elm Street
Hartford, CT 06106-5127

Oct. 14, 2014

Re: Stormwater Monitoring Report Naugatuck, CT WWTP, NPDES # CT0100641

Dear Sir/Madam,

Enclosed are the results for the recent Storm Water Testing at the Naugatuck WWTP.

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

Sincerely,
Veolia Water North America – Northeast, LLC

A handwritten signature in black ink that reads "John Batorski".

John Batorski
Plant Manager

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

Stormwater Monitoring Report (SMR) Instruction Form:

Client Name/Project: Phoenix Environmental Test Date: 9-17-14



New England Bioassay
a Division of GZA GeoEnvironmental, Inc.

Sample ID #1: BH14016
Sample ID #2: _____
Sample ID #3: _____
Sample ID #4: _____

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

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

- Complete the "Facility Information" section on page one of the SMR.
- Complete the "Sampling Information" section on page one of the SMR. If you failed to record the date of the previous storm event it may be found at www.weather.com. Enter your zip code or city name in the box and select "go". Select the "Monthly" tab in the row of options. Select the month you are interested in by using the "previous month" and "next month" options at the top of the calendar. The bottom entry in the square for each date is the precipitation in inches in that city on that date. An alternative is to use the National Weather Service website at <http://www.erh.noaa.gov/box/dailystns.shtml>. Select the month and year that you are interested in and the Connecticut town closest to your facility and then hit the "get data" button. The dates are in the column at the far left and precipitation amounts are in the column titled WTR.
- Complete the "Monitoring Results" section on page one of the SMR. Don't forget to include the units in the results section (e.g. 0.1 mg/L). If you have additional monitoring for 'discharge to impaired waters' please fill in the box on top of page 3.
- If you have exceeded any of the Bench Marks (see monitoring results section) please refer to Section 5 (e)(1)(B)(iv) on page 32 of the permit located on the CT DEEP website: http://www.ct.gov/dep/lib/dep/Permits_and_Licenses/Water_Discharge_General_Permits/storm_indust_gp_100111.pdf
- An authorized official from your facility must sign the "Statement of Certification" section on page three of the SMR.
- Fill in the Data Tracking Sheet with your facility information and chemical analysis results for each event tested under the new permit. Keep this information in your files for submittal to the DEEP after all four events are filled in.

Please detach this instruction form and the Chain-of-Custody and keep for your records. Within 90 days of your sample collection date file the completed form as follows:

- The completed SMR must be sent to the Bureau of Water Management at the following address:

Water Toxics Program Coordinator
Connecticut Department of Energy and Environmental Protection
Bureau of Water Protection & Land Reuse
79 Blm St.
Hartford, CT 06106-5127

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



**General Permit for the Discharge of Stormwater Associated with
Industrial Activity, effective 10/1/2011
Stormwater Monitoring Report Form
Sector G - Municipal or Federal Facilities**

Facility Information

Permittee Name: BOROUGH OF NAUGATUCK Site Name: NAUGATUCK WWTP
 Mailing Address: 500 CHERY ST EXT. NAUGATUCK, CT 06170
 Contact Person: JOHN BATORSKI Title: PLANT MANAGER
 Business Phone: 203-723-1433 ext.: 2018 Email: JOHN.BATORSKI@NEOLIA.COM
 Site Address: 500 CHERY ST EXT. NAUGATUCK, CT 06170
 Receiving Water (name/basin): NAUGATUCK RIVER
 Permit #: GSI CTO100641 Primary SIC: _____
 Discharges into an Impaired Waterbody: Yes **No** (If yes, complete the table on page 3 of this form)

Sample Information

Sample Location: UPSTREAM OF OUTFALL Person Collecting Sample: PATRICK LITTLE
 Date/Time Collected: 9/16/14@0900 Date of Previous Storm Event: 9-13-14
 This report is for samples required: Semi-annually Annually Other
 Check here if the sample contains snow or ice melt:
 Check here if a benchmark exceedance is solely due to background or off site sources see note below

Monitoring Results

Parameter	Required Frequency	Results (units)	Benchmark	Benchmark Exceedance (see pg 4)	Test Method	Laboratory Name
Oil & Grease	Semi-annual	<1.4 mg/L	5.0 mg/L	<input type="checkbox"/>	1664 A	Proenix
Rainfall pH	Semi-annual	4.48 SU	n/a		SM4500-HB	
Sample pH	Semi-annual	7.14 SU	5-9 SU	<input type="checkbox"/>	SM4500-HB	
COD	Semi-annual	35 mg/L	75 mg/L	<input type="checkbox"/>	SM5220D	
TSS	Semi-annual	<5.0 mg/L	90 mg/L	<input type="checkbox"/>	SM2510D	
TP	Semi-annual	1.33 mg/L	0.40 mg/L	<input type="checkbox"/>	SM4500PE	
TKN	Semi-annual	2.56 mg/L	2.30 mg/L	<input type="checkbox"/>	351.1	
NO ₃ -N	Semi-annual	0.40 mg/L	1.10 mg/L	<input type="checkbox"/>	353.2	
Total Copper	Semi-annual	0.012 mg/L	0.059 mg/L	<input type="checkbox"/>	200.7	
Total Zinc	Semi-annual	0.102 mg/L	0.180 mg/L	<input type="checkbox"/>	200.7	
Total Lead	Semi-annual	0.003 mg/L	0.076 mg/L	<input type="checkbox"/>	200.7	✓
24 Hr. LC ₅₀	Annual-Year 1&2	>100%	n/a		EPA-821-R-02-012	NEB
48 Hr. LC ₅₀	Annual-Year 1&2	>100%	n/a		EPA-821-R-02-012	NEB

* See Additional Sector G Monitoring Section on page 3 of this form for Federal or Municipal facilities with incidental solid delcing material storage only.

Exemptions

List here any parameter(s) that will not be sampled for the remainder of the permit term: see note below

NOTE: Complete the "Data Tracking Table" (page 4 on this form) to show the parameter is eligible for the monitoring exemption in Section 5(e)(1)(B)(iii) of the general permit. If you are discontinuing monitoring for impaired water parameters (per Section 5(e)(1)(D)), or parameters that are present due to natural or background levels or off site run-on (per Section 5(e)(1)(B)(V)), attach additional supporting information to this form.

STORMWATER ACUTE TOXICITY TEST DATA SHEET
(required annually only during Year 1 and Year 2 of the permit)

Site Name: Phoenix BH14016	
Date/Time Begin: 9/17/14@1604	Date/Time End: 9/19/14@1504
Sample Hardness (mg/L): 30	Sample Conductivity (µS): 151
Test Species: <i>Daphnia pulex</i> < 24 hrs old	Dilution Water Hardness (mg/L): 496

Effluent Dilution	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (su)		
	Hour	00	24	48	00	24	48	00	24	48	00	24
CONTROL 1	5	5	5	9.0	8.8	9.0	20	19	20	7.6	7.6	7.5
CONTROL 2	5	5	5	9.0	8.8	9.0	20	19	20	7.6	7.6	7.5
CONTROL 3	5	5	5	9.0	8.8	9.0	20	19	20	7.6	7.6	7.5
CONTROL 4	5	5	5	9.0	8.8	9.0	20	19	20	7.6	7.6	7.5
6.25% A	5	5	5	8.8	8.7	9.0	20	19	19	7.2	7.0	7.1
6.25% B	5	5	5	8.8	8.7	9.0	20	19	19	7.2	7.0	7.1
6.25% C	5	5	5	8.8	8.7	9.0	20	19	19	7.2	7.0	7.1
6.25% D	5	5	5	8.8	8.7	9.0	20	19	19	7.2	7.0	7.1
12.5% A	5	5	5	8.8	8.7	8.9	20	19	19	7.2	7.1	7.1
12.5% B	5	5	5	8.8	8.7	8.9	20	19	19	7.2	7.1	7.1
12.5% C	5	5	5	8.8	8.7	8.9	20	19	19	7.2	7.1	7.1
12.5% D	5	5	5	8.8	8.7	8.9	20	19	19	7.2	7.1	7.1
25% A	5	5	5	8.8	8.6	9.0	20	19	19	7.2	7.1	7.1
25% B	5	5	5	8.8	8.6	9.0	20	19	19	7.2	7.1	7.1
25% C	5	5	5	8.8	8.6	9.0	20	19	19	7.2	7.1	7.1
25% D	5	5	5	8.8	8.6	9.0	20	19	19	7.2	7.1	7.1
50% A	5	5	5	8.6	8.6	9.0	20	19	19	7.2	7.1	7.1
50% B	5	5	5	8.6	8.6	9.0	20	19	19	7.2	7.1	7.1
50% C	5	5	5	8.6	8.6	9.0	20	19	19	7.2	7.1	7.1
50% D	5	5	5	8.6	8.6	9.0	20	19	19	7.2	7.1	7.1
100% A	5	5	5	8.5	8.1	8.6	20	19	19	7.0	7.0	7.0
100% B	5	5	5	8.5	8.1	8.6	20	19	19	7.0	7.0	7.0
100% C	5	5	5	8.5	8.1	8.6	20	19	19	7.0	7.0	7.0
100% D	5	5	5	8.5	8.1	8.6	20	19	19	7.0	7.0	7.0

REFERENCE TOXICANT RESULTS

Test Species	Date	Reference Toxicant	Source	LC50
<i>Daphnia pulex</i>	9/2/14	CuNO ₃ # 14-0102-014	NEB	1.703 µg/L

Additional Monitoring: Sector G

For Federal or Municipal facilities with Incidental solid deicing material storage only:

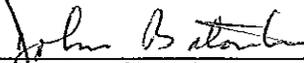
Parameter	Required Frequency	Results (units)	Benchmark	Test Method	Laboratory Name
Chloride	Semi-annual Years 1&2 only		n/a		
Cyanide	Semi-annual Years 1&2 only		n/a		

Additional Monitoring for Discharges to Impaired Waters (if applicable):

Parameter	Frequency	Results (units)	Test Method	Laboratory Name

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 the 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, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

	10-14-14
Signature of Permittee	Date
John Batorski	Plant Manager
Name of Permittee (print or type)	Title (if)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if)

Please send all completed forms to:

WATER TOXICS PROGRAM COORDINATOR
 BUREAU OF WATER PROTECTION AND LAND REUSE
 CT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

**General Permit for the Discharge of Stormwater Associated with
Industrial Activity, effective 10/1/2011
Data Tracking Sheet
Sector G-Municipal or Federal Facilities**

Permittee Name: <u>Borough of Naugatuck</u>	Permit #: GSI <u>CT0100641</u>
Site Name: <u>Naugatuck W/WTP</u>	
Site Address: <u>500 Cherry Street, Naugatuck, CT</u>	
Sample Location: <u>Plant stormwater tank discharge</u>	

Enter the sample dates and the data reported for the 4 most recent semi-annual sample results at this discharge location in the chart below. To determine the average for the four samples add up each of the four results and then divide that number by 4. **Only monitoring collected under the current permit (effective 10/1/11), can be used to earn the monitoring exemption.**

Average = $\frac{\text{Sample 1} + \text{Sample 2} + \text{Sample 3} + \text{Sample 4}}{4}$

Parameter	Sample Result				Average	Benchmark*	Qualify for exemption?
	1	2	3	4			
Sample Date	8-14-11	8-15-12	8-9-13	9-16-14			
O&G	8.4	<1.4	1.5	<1.4	2.43	5.0 mg/L	yes
Sample pH	6.53	6.82	6.97	7.14	6.86	5-9 S.U.	yes
COD	30	30	60	35	38.75	75 mg/L	yes
TSS	100	76	59	<50	60	90 mg/L	yes
TP	1.81	1.81	3.57	1.33	2.13	0.40 mg/L	no
TKN	1.1	0.95	3.16	2.66	1.94	2.30 mg/L	yes
NO ₃ -N	0.20	0.29	0.31	8.40	.30	1.10 mg/L	yes
Total Copper	0.085	0.072	0.080	0.012	0.0625	0.059 mg/L	no
Total Zinc	0.246	0.208	0.141	0.102	0.187	0.160 mg/L	no
Total Lead	0.027	0.022	0.017	0.003	0.017	0.076 mg/L	yes

*If the average of the 4 most recent samples is less than the benchmark listed, your facility is no longer required to sample semi-annually for that parameter for the rest of the permit (current permit expires 9/30/2016). If your facility qualifies for an exemption from monitoring for sample pH, your facility is also exempt from monitoring rainfall pH for the remainder of the permit.

If the average of the four (4) most recent samples is equal to or greater than the benchmark listed, check the appropriate box on page 1. If so, you have exceeded the benchmark and must continue to sample this parameter semiannually until the average is below the benchmark. See Section 5(e)(1)(B) of the General permit for requirements when exceeding a benchmark.

If the sample results reported by the testing laboratory were below detection limit, for the purpose of averaging, use a value that is 1/2 the detection limit for that parameter in the formula above. For example, if the result for Oil & Grease was <2.0 mg/L, use a value of 1.0 mg/L for determining the average. Please refer to section 5 e(1)B(iii) for a more detailed explanation.



Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1191 on Oct. 16, 2014

Oct. 16, 2014

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

Subject: Cylinder Gas and Opacity Audit Third Quarter 2014

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

A handwritten signature in cursive script that reads "John Batorski".

John Batorski
Project Manager

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



Test Report – CEMS Cylinder Gas & Opacity Audit Third Quarter 2014

**CEMS/COMS Monitoring the Fluidized Bed Incinerator
Borough of Naugatuck
Naugatuck, CT**

PREPARED FOR: Veolia Water
500 Cherry Street
Naugatuck, Connecticut 06770

CONCERNING: Cylinder Gas Audit (CGA) and Opacity Audit
Fluidized Bed Incinerator
500 Cherry Street
Naugatuck, Connecticut 06770

PREPARED BY: CK Environmental, Inc.
1020 Turnpike Street, Suite # 8
Canton, MA 02021

CK Project No. 4613

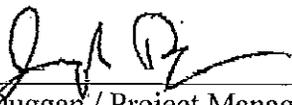
October 15, 2014



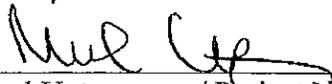
REPORT REVIEW CERTIFICATION

I, the undersigned, hereby certify that I have personally reviewed this report and to the best of my knowledge all information and calculations contained herein are true, accurate, and complete.

Prepared by: _____


Joseph Euggan / Project Manager

Reviewed by: _____


Michael Unterweger / Project Manager



TEST SUMMARY

Facility Name: **Veolia Water North America – Northeast, LLC**
500 Cherry Street
Naugatuck, Connecticut

Facility Contact: **Veolia Water NA – Northeast, LLC**
John Batorski / Plant Manager
Tel. No. 203-723-1433
Email: john.batorski@veoliawaterna.com

Regulatory Agency:
Contact: **State of Connecticut**
Department of Energy and Environmental Protection
John Degirolamo / Air Pollution Control Engineer
Tel. No. 203-424-3562

Testing Organization: **CK Environmental, Inc.**
1020 Turnpike Street, Suite 8
Canton, Massachusetts 02021

Project Manager: Mr. Michael Unterweger / Project Manager
Tel. No. 781-828-5200
Email: munterweger@cke.us

Test Personnel: Mr. Michael Unterweger / Project Engineer

Unit Tested: Sludge Incinerator Exhaust Stack

Test Date: September 19, 2014

Report Date: October 15, 2014



1.0 INTRODUCTION

1.1 Summary of Test Program

CK Environmental, Inc. (CK) was contracted by Veolia Water North America to conduct a cylinder gas audit (CGA) and an opacity audit on the Continuous Emissions Monitoring System (CEMS) which monitors the emissions at the Fluidized Bed Incinerator located in Naugatuck, Connecticut. The CEMS/COMS monitor the emissions of oxygen, carbon monoxide and opacity from the incinerator operated at this facility. Auditing of the CEMS/COMS was conducted on September 19, 2014.

The purpose of this test program was to demonstrate that the accuracy of the CEMS/COMS operated at this facility and to ensure that it met the acceptance criteria for relative accuracy (RA) as required by the Code of Federal Regulations, Title 40 - Part 60, Appendix F, Section 5.0. The opacity audit was performed to satisfy the quarterly "Performance Specification 1, Section 7.0.

A brief description of the facility is contained in Section 2.0. Section 3.0 of this test report summarizes the results of this testing program. Section 4.0 describes the test methods and procedures used. The CK quality assurance procedures are detailed in Section 5.0. Test field data sheets have been included in Appendix A. Facility CEMS and process data printouts are presented in Appendix B. All relevant calibration documentation has been provided in Appendix C.

1.2 Key Personnel

The test program was coordinated by John Batorski. Mr. Michael Unterweger of CK is the project manager for this effort and was responsible for all on-site audit activities. Contact information for key personnel can be found in Table 1-1 below.

Table 1-1
Key Personnel

Contact	Company	Telephone No.
John Batorski	Veolia Water	203-723-1433
Michael Unterweger	CK Environmental, Inc.	781-828-5200



2.0 PLANT AND SAMPLING SYSTEM DESCRIPTION

2.1 Process Description and Operation

Veolia Water North America Northeast, LLC operates the Borough of Naugatuck POTW which incinerates approximately 51 dry tons of municipal sludge per day and processes nonhazardous industrial waste water. A fluidized bed incinerator (FBI) is used to incinerate sludge. The POTW also houses settling tanks, aeration tanks, thickening tanks, holding tanks, and sludge belt filter presses.

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. Processing of sludge within the sand bed consists of evaporation of water and pyrolysis of organic material. The remaining carbon and combustible gases are burned in the freeboard area above the sand bed. Oil lances are located within the sand bed in order to deliver auxiliary fuel to maintain the desired combustion temperature if necessary. All ash generated in the combustion chamber leaves the top of the incinerator.

After the flue gas passes through the waste heat recovery unit, particulate is removed by a combined venturi and impingement tray scrubber system, and wet electrostatic precipitators (WESP). The venturi section consists of a narrow, adjustable throat, which increases gas velocity, turbulence and contact with added water, in order to collect ash particles and acid gases. The impingement tray scrubber provides cool plant effluent, which removes additional particulate and acid gases. There are two identical WESPs located in parallel of which only one operates at any given time.

2.2 Continuous Emission Monitoring System

The continuous emissions/continuous opacity monitoring system is designed to meet the requirements of 40 CFR, §60.13, §60.150 and 40 CFR, Part 503, Subpart E, §503.40., and 40 CFR, Part 60, Appendix B, PS 1. The extractive CEMS transport sample gas from the stack mounted sample probe via heated lines and sample conditioning system to the analyzers for continuous monitoring of gaseous pollutants. Effluent concentrations of carbon monoxide (CO) and oxygen (O₂) are measured by the CEM system. In addition, the system monitors opacity at the outlet stack of the FBI.

The CEM sampling system is full dry extractive design. The system extracts a sample from the gas stream through a primary filter located at the sample probe, and transports it from the sampling location to the CEMS analysis enclosure in a heated sample line. The sample lines and filter are maintained at 250 °F to prevent the sample from condensing during transportation to the sample conditioning system. The heated line terminates at a thermo-electric condenser where moisture is removed from the sample gas stream. Dry sample gas exiting the condenser passes through a second particulate filter, the single head heated sample pump, and a backpressure regulator prior to distribution to the analyzers via separate flow controlling rotometers. The sample probe located on the exhaust stack is of sufficient length to reach the center sampling point of the stack.

The moisture removal systems continuously remove moisture from the sample gas while maintaining minimal contact between the condensate and the sample gas. The M&C Tech Group Model ECS



thermoelectric gas sample chiller contains two (2) glass heat exchangers that are continuously drained of condensate by a dual head peristaltic pump. Temperature of the chiller is regulated and set to maintain a temperature of 40 °F.

A single head - heated, diaphragm pump is used to transport the gas sample through the system to the analyzers. This pump is manufactured by Air Dimensions and all parts coming into contact with the sample gas stream are Teflon, Kynar or stainless steel.

The COM system monitors the opacity emissions present in the exit gas of the FBI stack. The COMS utilizes a Land Combustion, Model 4500 Mark II, opacity monitor. This monitor is a microprocessor based system and operates in a dual pass mode in the visible light spectrum. Data collection and daily calibration error checks are performed by the data acquisition handling system (DAHS).

Table 2-1
CEMS Specifications

Parameter	Manufacturer	Model	Serial No.	Range
O2, Dry	Siemens	Oxymat 6E	7MB20211 EA000AA 1	0-25%
CO	Thermo Environmental	48i	1405660903	0-300 ppmvd
Opacity	Land	4500 Mark II	0095478	0-100%

A Contec Data Acquisition Handling System (DAHS) uses an Allen Bradley programmable logic controller (PLC), an Ethernet data highway, a Dell computer, and Windows XP operating system. The system is designed to meet 40 CFR §60.13, 40 CFR 60, Subpart 0, section §60.155, 40 CFR, Part 503, Subpart E, sections §503.41 (f), (h) and CTDEP requirements as provided in the Facilities Title V permit.

The Allen Bradley SLC 505 PLC is the foundation of the data collection, data averaging, alarm, and warning functions. These functions are performed in standard ladder logic. Additionally, the PLC is responsible for daily calibration error checking, short-term data storage, and communications over an Ethernet module to the DAHS computer.

The Contec Data Acquisition Handling System software is configured to display pollutants in units of concentration and in units of emissions. The DAHS also collect process data for Subpart "0" reporting requirements. Data is provided on the display screens as 1 minute averages, 6 min averages (opacity only), 1-hour averages, and 24-hour averages. The system performs standard reporting functions including minute, hourly, daily, and monthly reports, daily calibration and system downtime summaries, and source and analyzer downtime reports. Additionally, the Contec software provides the CEMS data in a graphics mode as trend panels, bar graphs, and strip chart displays. The graphic displays show the CEMS data as real-time or as historical trends. The system also displays and record process data as 1-minute, 1-hour, and 24-hour averages.



3.0 SUMMARY OF RESULTS

3.1 Objectives

The purpose of this test program was to demonstrate that the accuracy of the CEMS/COMS operated at this facility and to ensure that it met the acceptance criteria for relative accuracy (RA) as required by the Code of Federal Regulations, Title 40 - Part 60, Appendix F, Section 5.0. The opacity audit was performed to satisfy the quarterly Performance Specification 1, Section 7.0. The testing satisfies the requirements set forth in the facility's Title V permit (Permit No 109-0059-TV).

3.2 Field Test Changes

All testing was conducted in accordance with the current regulations listed in Section 3.1 of this report. No field changes were necessary for this test program.

3.3 Presentation of Results

A CGA was conducted on the outlet CEMS installed on the incinerator operated at this facility to document the CEMS RA for the third quarter 2014. The CEMS oxygen and carbon monoxide CGA and opacity audits were conducted on September 19, 2014.

The CGA was conducted in accordance with the test procedures and acceptance criteria of 40 CFR 60, Appendix B. All pollutant and diluent gas monitors were each challenged three times with two different calibration standards, a low-audit point and a mid-audit point. The concentrations of audit gases conformed to range specifications defined in 40 CFR 60, Appendix A. The responses of the monitors to the gas standards were recorded by the facility data acquisition and handling system (DAHS) as one-minute averages. The RA of each monitor was determined for each standard as the difference between the average response to the standard, and as a percentage of the standard concentration. The protocol calibration gases were directed into the same location that the gases are sent into for the daily calibrations.

The opacity audit was performed by alternately passing three filters of differing optical density (\approx 10%, 20% and 35%) in to the opacity monitor. The results of the audit were calculated using the average response of the monitor over the passes of the filters. The outcome of the opacity audit is based on the results of five passes of the filters.

Table 3-1 summarizes the test results for each of the parameters of the CEMS. All monitors were able to demonstrate compliance with the acceptance criteria of 40 CFR Part 60, Appendix B of less than or equal to 15 percent of each audit gas standard concentration during the CGA. Table 3-2 summarizes the COMS test results with criteria found in Performance Specification 1 with the opacity monitor reading with less than 3% difference from the corrected filter value.



4.0 SAMPLING AND ANALYTICAL PROCEDURES

4.1 Cylinder Gas Audit Procedure

The CGAs were conducted in accordance with the test procedures and acceptance criteria of 40 CFR 60, Appendix F. All pollutant and diluent gas monitors were each challenged three times with two different calibration standards, a low audit point and a mid-audit point. The responses of the monitors to the gas standards were recorded by the facility data acquisition and handling system (DAHS). The RA of each monitor was determined for each standard as the difference between the average response to the standard and the standard concentration as an absolute difference, and as a percentage of the standard concentration.

4.2 Opacity Audit Procedure

The opacity audit was performed by alternately passing three filters of different known opacity values (9.92, 20.28, and 32.77) in to the opacity monitor. The results of the audit were calculated using the average response of the monitor over the passes of the filters. The outcome of the opacity audit is based on the results of five passes of the filters.



5.0 CK's QUALITY ASSURANCE PROCEDURES

CK's emission test teams are committed to providing high quality source emissions measurement services. To meet this commitment, CK follows appropriate US EPA sampling procedures and implements appropriate quality assurance/quality control (QA/QC) procedures with all test programs. These procedures ensure that all sampling is performed by competent, trained individuals and that all equipment used is operational and properly calibrated before and after use. Records of all CK equipment calibrations are maintained in CK's files.

The CK quality assurance program generally follows the guidelines of the US EPA *Quality Assurance Handbook for Air Pollution Measurement Systems, Volume III - Stationary Source-Specific Methods* (EPA/600/R-94/038c - September 1994) as well as CK's in house Quality Manual.

5.1 Sampling

Compressed gases used as audit standards are always US EPA Traceability Protocol certified calibration gas standards, certified in accordance with Procedure No. G1 with an analytical accuracy of +/- 1 percent. The Certificates of Analysis for the gas standards used during the performance of the CGA were available on site and are presented in Appendix C.

All opacity filters are calibrated and certified by Environmental Monitor Service, Inc. Each filter is assigned a serial number and calibrated on an annual basis. All calibration certificates can be found in Appendix C.

5.2 Reporting

All reports undergo a tiered review. The first review of the report and calculations are made by the report's author. A second review is then performed by another Project Engineer/Scientist. The review process is verified by the signed Report Review Certification which has been included as part of this test report.



Table 3.1 Summary of Results
 Cylinder Gas Audit
 FB Incinerator
 Veolia Water NA - Naugatuck, CT
 Naugatuck, Connecticut
 3rd Qtr - 2014

CEMS	Test Date	Monitor	Span / Units	Cylinder Gas Audit				CGA Criteria
				Standard Conc.	Average Response	Error (% of std. conc.)	Error (abs. diff.)	
Oxygen	09/19/14	Siemens	0-25%	5.01	4.90	2.20	0.11	15.0% or 0.5% O ₂
				10.00	9.83	1.67	0.17	15.0% or 0.5% O ₂
Carbon Monoxide	09/19/14	TECO	0-300 ppm	75.00	76.27	1.69	1.27	15.0% or 5 ppm
				167.80	166.57	0.74	1.23	15.0% or 5 ppm



Table 3.2 Summary of Results

OPACITY AUDIT CALCULATION SHEET

CLIENT: Veolia Water NA - Naugatuck, CT
SOURCE: FB Incinerator

DATE: 9/19/14
AUDITOR: PH

Run #	Zero	Low	Mid	High	Actual Filter Values	Corrected Filter Values (2)
1	0.08	7.14	14.96	25.26	0.714	N/A
2	0.08	6.98	15.18	25.28		
3	0.00	6.89	15.31	25.38		
4	0.00	6.96	15.16	25.35	9.92	7.19
5	0.09	6.99	15.33	25.29	20.28	14.94
6 Min Avg	0.07	7.02	15.51	25.28	32.77	24.69

PATH LENGTH CORRECTION FACTOR (PLCF) =
LOW CALIBRATION FILTER VALUE =
MID CALIBRATION FILTER VALUE =
HIGH CALIBRATION FILTER VALUE =

N	Low	Value	Delta L	Del L ²	Mid	Value	Delta L	Del L ²	N	High	Value	Delta L	Del L ²
1	7.1	7.2	0.4	0.1	15.0	14.9	0.0	0.0	1	25.3	24.7	0.6	0.3
2	7.0	7.2	-0.2	0.0	15.2	14.9	0.2	0.1	2	25.3	24.7	0.6	0.4
3	6.9	7.2	-0.3	0.1	15.3	14.9	0.4	0.1	3	25.4	24.7	0.7	0.5
4	7.0	7.2	-0.2	0.1	15.2	14.9	0.2	0.0	4	25.4	24.7	0.7	0.4
5	7.0	7.2	-0.2	0.0	15.3	14.9	0.4	0.2	5	25.3	24.7	0.6	0.4
Sum =				0.4			1.2	0.4	Sum =			3.1	2.0
A = Sum (Delta L) ² =							1.5		A = Sum (Delta L) ² =			9.8	
B = Sum (Delta L ²) =							0.4		B = Sum (Delta L ²) =			2.0	
N =							5.0		N =			5.0	
(N * B) - A =							0.4		(N * B) - A =			0.1	

Mean Error (ME) = (Sum Delta L / N)

ME = -0.1

Confidence Interval (CI) = SQRT((N*B)-A)*0.2776

CI = 0.3

Calibration Error = ABS (ME) + CI

Calibration Error (1) = 0.5

5 Minute Average Mean Error = 0.2

1) - Corrected Filter Value = 1-(1-Actual Filter Value)^{PLCF}

Mean Error (ME) = (Sum Delta L / N)

ME = 0.2

Confidence Interval (CI) = SQRT((N*B)-A)*0.2776

CI = 0.2

Calibration Error = ABS (ME) + CI

Calibration Error(1) = 0.4

6 Minute Average Mean Error = 0.6

where the actual filter value = (Labeled % opacity / 100)

Mean Error (ME) = (Sum Delta L / N)

ME = 0.6

Confidence Interval (CI) = SQRT((N*B)-A)*0.2776

CI = 0.1

Calibration Error = ABS (ME) + CI

Calibration Error (1) = 0.7

6 Minute Average Mean Error = 0.6



Sent via Certified R.R.R. Mail 7009 2820 0004 1018 1207 on October 23, 2014

October 23, 2014

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

Subject: Continuous Opacity Monitoring System Summary Report, July 1, 2014 to September 30, 2014.

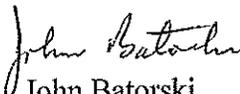
Dear Mr. John Degirolamo:

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

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

Sincerely,

Veolia Water North America-Northeast, LLC


John Batorski
Project Manager

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



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

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

Continuous Opacity Monitoring System Summary Report

Part 1: FACILITY INFORMATION		
Corporation Name	Borough of Naugatuck	
Premises Name	Borough of Naugatuck POTW	
Corporation Address	229 Church Street, Naugatuck, CT 06770	
Premises Address	500 Cherry Street, Naugatuck, CT 06770	
Premises Contact Person	John Batorski	
Contact Phone/FAX/e-mail	(203) 723-1433	(203) 723-8539
Reporting Period Dates	From: July 1, 2014	To: September 30, 2014
Were there any monitoring system failures during this reporting period? (Yes/ No - provide details in report).	YES	<u>Attachments:</u> COMS data (CD or diskette); COMS data (e-mailed); <input type="checkbox"/> Copy of quarterly QA audits; <input type="checkbox"/> Excepted activities records (if requested).
Are any excess emissions being reported during this reporting period? (Yes/No - provide details in report).	NO	
Part 2: CERTIFICATION		
<p>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.</p> <p>Preparer : CK Environmental</p> <p style="font-size: 1.5em; margin-left: 20px;"><i>Neil G...</i></p> <p>Date: October 23, 2014</p> <p>Plant Signature: <i>John Batorski</i></p> <p>Print (or type) <u>John Batorski</u></p> <p>Name and Title: <u>Plant Manager 10-23-14</u></p>		

PART 3: PERFORMANCE REPORT

Facility Name:	Borough of Naugatuck POTW
Combustion Unit(s) Descriptions	Fluidized Bed Incinerator

UNIT AND MONITOR INFORMATION

Unit Number or ID	EMU 52		
Unit Operating Hours	2013.48 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 18, 2014

MONITOR DATA AVAILABILITY

Monitoring equipment malfunctions	1.38
Non-monitoring equipment malfunctions	32.77
Calibrations	4.83
Other known causes ¹	
Unknown causes	9.51
Total COM downtime	48.49 Hours
Data Availability (calculated)	97.5%

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

where:

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

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

Part 5: Monitoring and Non-Monitoring Equipment Malfunctions

EMU# or Unit ID	Form # or 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	Date			
52	III.E.21	07/08	05:59	Excess Drift Primary Monitor	Manual Recalibration	Continued Training
52	III.E.21	07/08	13:53	Excess Drift Primary Monitor	Cleaned moisture from eye, manually recalibrated	Continued training
52	III.E.21	08/01	13:57	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	08/05	10:19	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	08/14	23:59	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	08/19	06:33	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	08/19	06:59	Excess Drift Primary Monitor	Cleaned moisture from eye, manually recalibrated	Continued training
52	III.E.21	08/19	10:49	Excess Drift Primary Monitor	Cleaned moisture from eye, manually recalibrated	Continued training
52	III.E.21	09/02	07:32	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	09/02	13:32	Excess Drift Primary Monitor	Manual Recalibration	Continued Training
52	III.E.21	09/03	13:46	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	09/11	11:59	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost.
52	III.E.21	09/21	03:42	Primary Monitor Malfunction	Corrective actions taken	Continued Training
52	III.E.21	09/23	06:28	Excess Drift Primary Monitor	Manual Recalibration	Continued Training

COMS Summary Report 22a-174-4(c)
6/30/2004

Part 5: Monitoring and Non-Monitoring Equipment Malfunctions (continued)

EMU# or Unit ID	Form # or 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			

	Start	End		System Failure	Remedy Monitoring System Failure	Future Monitoring System Failures		
		Date	Time				Date	Time
52	III.E.21	09/23	06:32	09/23	07:42	Excess Drift Primary Monitor	Cleaned moisture from eye, manually recalibrated	Continued training
52	III.E.21	09/27	05:58	09/27	07:58	Excess Drift Primary Monitor	Cleaned moisture from eye, manually recalibrated	Continued training
52	III.E.21							
52	III.E.21							
52	III.E.21							
52	III.E.21							



Sent Certified R.R.R. mail #7009 2820 0004 1018 1214 on October 30, 2014

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

October 30, 2014

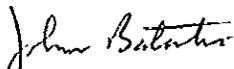
Re: Aquatic Toxicity Monitoring Report, 4th Quarter 2014

To Whom It May Concern:

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

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

Sincerely,
Veolia Water North America – Northeast, LLC


John Batorski
Plant Manager

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

NEW ENGLAND BIOASSAY

ATMR COVER SHEET

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

D.pulex TEST ID #: 14-1641 a
P.promelas TEST ID #: 14-1641 b
 COC #: C43-3675
 PROJECT #: 05.0044745.00

LABORATORY CONTROL WATER		
NEB Lot #:	A34-S011	SRCF
Hardness:	46	mg/L as CaCO ₃
Alkalinity:	30	mg/L as CaCO ₃

SAMPLE COLLECTION INFORMATION		
	FROM	TO
DATE:	10/7/2014	10/7/2014 10/8/2014
TIME:	0000 2:00 PM	2400 11:30 AM

INITIAL CHEMISTRY DATA		TECHNICIAN INITIALS:		CW
Color	light yellow	Temp. (C)	8.4	Hardness (mg/L)
Cond. (umhos/cm)	836	D.O. (mg/L)	10.3	Alkalinity (mg/L)
Salinity (ppt)	< 1	pH (su)	7.1	TRC (mg/L)
				0.044

INVERTEBRATE

Test Set Up Technician Initials: KO
 Test Type: Screen
 Test Species: *Daphnia pulex*
 Source: New England Bioassay
 NEB Lot#: Dp14(10-9)
 Age: < 24 Hours
 Test Solution Volume: 30 ml
 # Organisms/Test Chamber: 10
 # Organisms/Concentration: 50
 # Organisms/Control: 30
 START DATE: 10/9/2014 AT 1035
 END DATE: 10/11/2014 AT 0935

VERTEBRATE

Test Set Up Technician Initials: KO
 Test Type: Screen
 Test Species: *Pimephales promelas*
 Source: New England Bioassay
 NEB Lot#: Pp14(9-25)
 Age: 14 (1-14) Days
 Test Solution Volume: 700 ml
 # Organisms/Test Chamber: 10
 # Organisms/Concentration: 50
 # Organisms/Control: 30
 START DATE: 10/9/2014 AT 1047
 END DATE: 10/11/2014 AT 0947

TEST SET UP CONDUCTIVITIES			
<i>D.p</i> Control	171	umhos/cm	<i>P.p</i> Control
100%	826	umhos/cm	171 umhos/cm
			100% 826 umhos/cm

Technician Initials:	<i>D.pulex</i>	0 Hour:	KO	24 Hour:	MG	48 Hour:	MG
	<i>P.promelas</i>	0 Hour:	KO	24 Hour:	MG	48 Hour:	MG

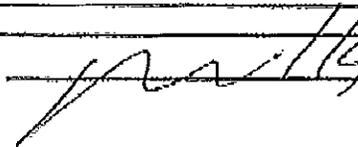
RESULTS OF *Daphnia pulex* Screening Test

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

RESULTS OF *Pimephales promelas* Screening Test

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

COMMENTS: _____

REVIEWED BY:  DATE: 10/28/14

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

Facility Name: <u>Borough of Naugatuck WPCF</u>	NPDES ID: <u>CT0100641 DSN-001-1</u>
Receiving Water: <u>Naugatuck River</u>	Waterbody ID: <u>6900</u>
Sample Collection Date(s): _____	<u>10/7/14 to 10/8/14</u>
Sample Collection Time: FROM: <u>2:00 AM</u> 0000 (AM/PM)	TO: <u>1:30 AM</u> 2400 (AM/PM) 735

TOXICITY TEST SUMMARY (PASS/FAIL)

CONTROL SAMPLE RESULTS (% SURVIVAL)

TEST SPECIES	REPLICATE 1	REPLICATE 2	REPLICATE 3
<i>Daphnia pulex</i>	100%	100%	100%
<i>Pimephales promelas</i>	100%	100%	100%

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

EFFLUENT SAMPLE RESULTS (MEAN % SURVIVAL)

TEST SPECIES	100% Effluent
<i>Daphnia pulex</i>	100%
<i>Pimephales promelas</i>	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: 10-30-14

AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: <u>Borough of Naugatuck WPCF</u>	NPDES ID: <u>CT0100641</u> DSN-001-1
Dilution Water: <u>Soft Reconstituted Fresh Water (SRCF)</u>	Hardness: <u>50 ± 5 mg/L</u>
Sample Collected On: <u>10/7/14</u> (date)	Received On: <u>10/9/14</u> (date)
Test Species: <u>Daphnia pulex</u>	Source: <u>New England Bioassay</u> Age: <u>< 24 h</u>
Test Duration: <u>48 hours</u>	Beginning: <u>1035</u> (am/pm) On: <u>10/9/14</u> (date)
	Ending: <u>0935</u> (am/pm) On: <u>10/11/14</u> (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			PH (SU)			
	Tech	KO	MG	MG	KO	MG	MG	KO	MG	MG	KO	MG	MG
	Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A		10	10	10	10.3	8.4	8.3	20	19	19	7.0	7.4	7.4
100% B		10	10	10			8.6			19			7.4
100% C		10	10	10			8.5			19			7.4
100% D		10	10	10			8.4			19			7.4
100% E		10	10	10			8.5			19			7.4
CONTROL 1		10	10	10	9.3	9.1	8.7	20	19	19	7.4	7.5	7.5
CONTROL 2		10	10	10			9.1			19			7.5
CONTROL 3		10	10	10			8.7			19			7.5
MEAN SAMPLE SURVIVAL (%)								CONTROL SURVIVAL (%)			#1	#2	#3
[(A+B+C+D+E) / 5] X 10 = 100%											100%	100%	100%

REFERENCE TOXICANT RESULTS				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
<i>Daphnia pulex</i>	10/1/14	Copper Nitrate Lot # 14-0102-015	ACROS/NEB	2.86 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: _____

Date: 10/28/14

AQUATIC TOXICITY MONITORING REPORT (ATMR) – PART 2

Facility Name: <u>Borough of Naugatuck WPCF</u>	NPDES ID: <u>CT0100641 DSN-001-1</u>
Dilution Water: <u>Soft Reconstituted Fresh Water (SRCF)</u>	Hardness: <u>50 ± 5 mg/L</u>
Sample Collected On: <u>10/7/14</u> (date)	Received On: <u>10/9/14</u> (date)
Test Species: <u>Pimephales promelas</u>	Source: <u>New England Bioassay</u> Age: <u>14 days</u>
Test Duration: <u>48 hours</u>	Beginning: <u>1047</u> (am/pm) On: <u>10/9/14</u> (date)
	Ending: <u>0947</u> (am/pm) On: <u>10/11/14</u> (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)			
	Tech	KO	MG	MG	KO	MG	MG	KO	MG	MG	KO	MG	MG
	Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	10.3	7.6	7.2	20	20	20	7.0	7.0	7.2	
100% B	10	10	10		7.5	7.2		19	20		7.0	7.2	
100% C	10	10	10		7.5	7.3		19	20		7.0	7.2	
100% D	10	10	10		7.5	7.2		20	20		7.0	7.2	
100% E	10	10	10		7.4	7.1		20	20		7.0	7.1	
CONTROL 1	10	10	10	9.3	7.9	7.4	20	19	20	7.4	7.1	7.6	
CONTROL 2	10	10	10		7.9	7.3		19	20		7.0	7.4	
CONTROL 3	10	10	10		7.7	7.4		19	20		7.0	7.4	
MEAN SAMPLE SURVIVAL (%)							CONTROL SURVIVAL (%)			#1	#2	#3	
[(A+B+C+D+E) / 5] X 10 = 100%										100%	100%	100%	

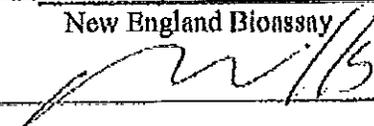
REFERENCE TOXICANT RESULTS				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC ₅₀
<i>Pimephales promelas</i>	10/1/14	Copper Nitrate Lot # 14-0102-015	ACROS/NBB	100.4 µg/L

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 Title: Laboratory Manager
New England Bioassay

Signature:  Date: 10/28/14

SUPPLEMENTAL CHEMISTRY (PART 2S)

Facility Name: <u>Borough of Naugatuck WPCF</u>		NPDES ID: <u>CT0100641</u>	DSN-001-1
Receiving Water: <u>Naugatuck River</u>		Waterbody ID: <u>6900</u>	
Sample Collection Date(s):	FROM: <u>10/7/14</u>	TO: 10/7/14 <u>10/12/14</u>	
Sample Collection Time(s):	FROM: 0000 ^{2:00 am} (AM/PM)	TO: 2400 ^{11:30 am} (AM/PM)	(TAM)

Effluent Sample at Arrival

Parameter	Effluent Sample	
	Tech Initials	CW
	Date & Time	10/9/14 @ 0755
Temperature (°C)	8.4	
pH (standard units)	7.1	
Alkalinity (mg/L)	50	
Conductivity (µS)	836	
Hardness(mg/L)/Salinity(ppt)	116 / < 1	
Color:	Light yellow	
TRC (mg/L)	0.044	

100% Test Sample

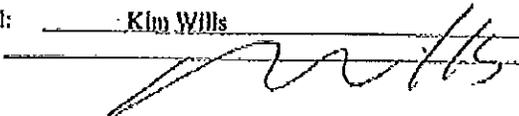
Parameter	Hours	<i>Daphnia pulex</i>		<i>Pimephales promelas</i>	
		Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		CW	MG	CW	MG
Conductivity (µS)		836	849	836	840
Alkalinity (mg/L)		50	45	50	45
Hardness(mg/L) / Salinity(ppt)		116 / < 1	118 / < 1	116 / < 1	118 / < 1
TRC (mg/L)		0.044	0.033	0.044	0.020

0% Test Sample (Control)

Parameter	Hours	<i>Daphnia pulex</i>		<i>Pimephales promelas</i>	
		Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		KO	MG	KO	MG
Conductivity (µS)		171	176	171	178
Alkalinity (mg/L)		30	35	30	30
Hardness(mg/L) / Salinity(ppt)		46 / < 1	46 / < 1	46 / < 1	46 / < 1
TRC (mg/L)		< 0.02	< 0.02	< 0.02	< 0.02

Laboratory Official:
Signature:

Kim Willis



Title: Lab Manager

Date: 10/28/14

24671

STATE OF CONNECTICUT ** DEPARTMENT OF ENVIRONMENTAL PROTECTION
 Bureau of Water Management: Aquatic Toxicity Monitoring Report - PART 3

NPDES Permit: CT0100641 Exp: 07/05 E/20/2019 Phone: (203) 728-1433
 Facility: Naugatuck WPCF Contact: James Madala JMA Phone:
 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 fines and imprisonment for knowing violations.

Authorized Official: John Batorski Title: Plant Manager
 Signature: John Batorski Date: 10/30/14

Sample Date: 10/17/2014 Sample Days Flow: 3.40 REPEAT MONTH: OCT (Circle one)

FREQUENCY	MON/LOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Test	001 T	mg/L	BOD, 5 DAY		9.4
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		0.02
Each Test	001 T	mg/L	NITRATE, as N		2.11
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	0.005
Each Test	001 T	mg/L	CADMIUM, Total	0.0005 mg/L	<0.0002
Each Test	001 T	mg/L	CHROMIUM, Hexavalent		<0.01

Aquatic Toxicity Monitoring Report - PART 3

FREQUENCY	MON/LOC	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	0.012
Each Test	001 T	mg/L	LEAD, Total	0.005 mg/L	<0.001
Each Test	001 T	mg/L	THALLIUM, Total	0.005 mg/L	<0.002
Each Test	001 T	mg/L	NICKEL, Total		0.034
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	0.135
Each Test	001 T	mg/L	ANTIMONY, Total		<0.005
Each Test	001 T	mg/L	SELENIUM, Total	0.005 mg/L	0.006
Each Test	001 T	mg/L	PHENOLS		<0.015
Each Test	001 T	mg/L	MERCURY, Total	0.0012 mg/L	<0.0002

Testing Laboratory:

Prentiss Environmental

Signature:

D. DeLoe

Date:

10/28/2014

FOR OFFICIAL USE ONLY:

AQUATIC TOXICITY: *Daphnia pulex*

TGA3D

AQUATIC TOXICITY: *Pimephales promelas*

TGA6C

Navigant WPCF



TEST REPORT

5 YEAR STACK EMISSIONS COMPLIANCE TEST PROGRAM

VEOLIA WATER NORTH AMERICA – NORTHEAST LLC

OCTOBER 27, 2014

PREPARED FOR:

Veolia Water North America – Northeast LLC
Naugatuck POTW
500 Cherry Street
Naugatuck, CT 06770

CONCERNING:

5 Year Compliance Emissions Program
Fluidized Bed Sewage Sludge Incinerator

PREPARED BY:

CK Environmental, Inc.
1020 Turnpike Street
Unit 8
Canton, Massachusetts 02021

CK Project #4718



REPORT REVIEW CERTIFICATION

I, the undersigned, hereby certify that I have reviewed the report, and to the best of my knowledge all given information and/or calculations contained in this report are true, accurate, and complete.

Prepared by: _____
Michael Unterweger, QSTI, Project Manager

Reviewed by: _____
Michael Kelley, QSTI, Project Manager



Test Summary

Facility Name: **Veolia Water North America, LLC**
Naugatuck Publicly Owned Treatment Works (POTW)
500 Cherry Street
Naugatuck, CT 06770

Facility Contact: **John Batorski**, Plant Manager
203-723-1433 x 2015
john.batorski@veolia.com

Regulatory Agency and Contact: **Connecticut Department of Energy and Environmental Protection (CTDEEP)**
79 Elm Street
Hartford, CT 06106-5127

Tim Marsh
860-424-3957
timothy.marsh@ct.gov

Testing Organization: **CK Environmental**
1020 Turnpike Street, Suite 8
Canton, MA 02021

Project Manager: **Michael Unterweger, QSTI**
781- 828-5200
munterweger@ckenvironmental.com

Test Crew: Richard Gioielli
Ryan Warren
Brian Haffler

Source Tested: Fluidized Bed Sludge Incinerator

Methods: 40 CFR 60 Appendix A
Method 1-4, 5, 6C, 7E, 8, 10, 25A, 26, 5/29, 201A/202

Test Dates: September 17-19, 2014



1.0 INTRODUCTION

1.1 Summary of Test Program

CK Environmental was contracted to conduct the five year stack emissions compliance test program on the sludge incinerator operating at the Borough of Naugatuck Publicly Owned Treatment Works (POTW) in Naugatuck, CT. The purpose of this program was to demonstrate the compliance status of the incinerator with respect to the operating conditions and emission limits specified in the Title V operating permit issued by the Connecticut Department of Energy and Environmental Protection (CTDEEP).

All emissions testing were conducted in accordance with the applicable procedures as found in 40 CFR 60, Appendix A. The EPA Quality Assurance Handbook and the approved test protocol were adhered to as well. A list of the pollutants measured, the specific test methodologies, allowable emission limits and test run durations can be found in Table 3-1. The summary of results can be found in Table 3-2 and 3-3. A detailed explanation of the methodology, procedures and equipment used can be found in Section 5 of this report. All tests were performed in triplicate.

Michael Unterweger of CK Environmental was responsible for the emissions compliance test program. A crew of qualified Environmental Engineers and Technicians assisted him. John Batorski of Veolia coordinated facility operations with emissions testing. Tim Marsh of CTDEEP was the on-site regulatory contact. Table 1-1 lists the contact information of these individuals.

1.2 Key Personnel

The CK Project Manager coordinated test times and other operating parameters with the facility while testing proceeded. The personnel responsible for testing are provided in Table 1-1.

**Table 1-1
Key Personnel**

Name	Affiliation	Phone No.
Michael Unterweger, Project Manager	CK Environmental, Inc.	781-828-5200
John Batorski, Plant Manager	Veolia Water	203-723-1433
Tim Marsh, Regulatory Contact	CTDEEP	860-424-3957



2.0 PROCESS DESCRIPTION

2.1 Process Description

Veolia Water North America Northeast, LLC operates the Borough of Naugatuck POTW which incinerates approximately 80 dry tons of municipal sludge per day and processes nonhazardous industrial waste water. A fluidized bed incinerator (FBI) is used to incinerate sludge. The POTW also houses settling tanks; aeration tanks, thickening tanks, holding tanks, and sludge belt filter presses.

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. Processing of sludge within the sand bed consists of evaporation of water and pyrolysis of organic material. The remaining carbon and combustible gases are burned in the freeboard area above the sand bed. Oil lances are located within the sand bed in order to deliver auxiliary fuel to maintain the desired combustion temperature if necessary. All ash generated in the combustion chamber leaves the top of the incinerator.

After the flue gas passes through the waste heat recovery unit, particulate is removed by a combined venturi and impingement tray scrubber system, and wet electrostatic precipitators (WESP). The venturi section consists of a narrow, adjustable throat, which increases gas velocity, turbulence and contact with added water, in order to collect ash particles and acid gases. The impingement tray scrubber provides cool plant effluent, which removes additional particulate and acid gases. There are two identical WESPs located in parallel of which only one operates at any given time.

2.2 Continuous Emission Monitoring System

The continuous emissions/continuous opacity monitoring system is designed to meet the requirements of 40 CFR, §60.13, §60.150 and 40 CFR, Part 503, Subpart E, §503.40., and 40 CFR, Part 60, Appendix B, PS 1. The extractive CEMS transport sample gas from the stack mounted sample probe via heated lines and sample conditioning system to the analyzers for continuous monitoring of gaseous pollutants. Effluent concentrations of carbon monoxide (CO) and oxygen (O₂) are measured by the CEM system. In addition, the system monitors opacity at the outlet stack of the FBI.

The CEM sampling system is full dry extractive design. The system extracts a sample from the gas stream through a primary filter located at the sample probe, and transports it from the sampling location to the CEMS analysis enclosure in a heated sample line. The sample lines and filter are maintained at 250 °F to prevent the sample from condensing during transportation to the sample conditioning system. The heated line terminates at a thermo-electric condenser where moisture is removed from the sample gas stream. Dry sample gas exiting the condenser passes through a second particulate filter, the single head heated sample pump, and a backpressure regulator prior to distribution to the analyzers via separate flow controlling rotometers. The sample probe located on the exhaust stack is of sufficient length to reach the



center sampling point of the stack.

The moisture removal systems continuously remove moisture from the sample gas while maintaining minimal contact between the condensate and the sample gas. The Universal Analyzer Model 530 thermoelectric gas sample chillers contain two (2) stainless steel heat exchangers that are continuously drained of condensate by a dual head peristaltic pump. Temperature of the chiller is regulated and set to maintain a temperature of 40 °F.

A single head - heated, diaphragm pump is used to transport the gas sample through the system to the analyzers. This pump is manufactured by Air Dimensions and all parts coming into contact with the sample gas stream is Teflon, Kynar or stainless steel.

**Table 2-1
CEMS Specifications**

Parameter	Manufacturer	Model	Serial No.	Range
O ₂ , Dry	Siemens	Oxymat 6E	7MB20211 EA000AA 1	0-25%
CO	Thermo Environmental	48i	1405660903	0-300 ppmvd

A Contec Data Acquisition Handling System (DAHS) uses an Allen Bradley programmable logic controller (PLC), an Ethernet data highway, a Dell computer, and Windows XP operating system. The system is designed to meet 40 CFR §60.13, 40 CFR 60, Subpart 0, section §60.155, 40 CFR, Part 503, Subpart E, sections §503.41 (f), (h) and CTDEEP requirements as provided in the Facilities Title V permit.

The Allen Bradley SLC 505 PLC is the foundation of the data collection, data averaging, alarm, and warning functions. These functions are performed in standard ladder logic. Additionally, the PLC is responsible for daily calibration error checking, short-term data storage, and communications over an Ethernet module to the DAHS computer.

The Contec Data Acquisition Handling System software is configured to display pollutants in units of concentration and in units of emissions. The DAHS also collect process data for Subpart "0" reporting requirements. Data is provided on the display screens as 1 minute averages, 6 min averages (opacity only), 1 hour averages, and 24 hour averages. The system performs standard reporting functions including minute, hourly, daily, and monthly reports, daily calibration and system downtime summaries, and source and analyzer downtime reports. Additionally, the Contec software provides the CEMS data in a graphics mode as trend panels, bar graphs, and strip chart displays. The graphic displays show the CEMS data as real-time or as historical trends. The system also displays and record process data as 1 minute, 1 hour, and 24 hour averages.



3.0 SUMMARY AND DISCUSSION OF RESULTS

3.1 Objectives and Test Matrix

The purpose of this program was to demonstrate the compliance status of the sludge incinerator with respect to the operating conditions and emission limits specified in the facility's operating permit issued by the CTDEEP.

The following is a matrix of the test methodologies, pollutants tested and allowable limits for this program. Each parameter was measured and analyzed in accordance with EPA and CTDEEP-approved procedures as presented in the test protocol. Testing for PM10 and Multiple Metals emissions was conducted with and without the WESP in operation.

**Table 3-1
Test Matrix**

Pollutant - Compliance	Test Method	Run Duration	Test Runs	Allowable Limit
Volumetric Flow	EPA 1-2	Continuous	Continuous	N/A
Moisture (H ₂ O)	EPA 4	Continuous	Continuous	N/A
Oxygen / Carbon Dioxide (O ₂ /CO ₂)	EPA 3A	Continuous	Continuous	Not Applicable
Sulfur Dioxide (SO ₂)	EPA 6C	60 min.	3	2.7 lbs/ton dry sludge (<1.5% sulfur) 3.6 lbs/ton dry sludge (≥1.5% sulfur) 55 tons/yr
Nitrogen Oxides (NO _x)	EPA 7E	60 min.	3	2.9 lbs/ton dry sludge 0.33 lbs/mmBtu 44 tons/yr
Sulfur Acid (H ₂ SO ₄)	EPA 8	60 min.	3	0.32 lbs/ton dry sludge
Carbon Monoxide (CO)	EPA 10	60 min.	3	1.4 lbs/ton dry sludge 22 tons/yr
Particulate Matter (PM)	EPA 5/29	120 min.	3	1.3 lbs/ton dry sludge
Total Hydrocarbons	EPA 25A	60 min.	3	0.32 lbs/ton dry sludge 4.9 tons/yr
Hydrogen Chloride (HCl)	EPA 26	60 min.	3	0.32 lbs/ton dry sludge



Trace Metals: Beryllium (Be) Lead (Pb) Mercury (Hg) Arsenic (As) Cadmium (Cd) Chromium (Cr) Copper (Cu) Manganese (Mn) Nickel (Ni) Selenium (Se) Zinc (Zn)	EPA 5/29	120 min.	3	0.022 lbs/day (10 grams/day) 0.021 lbs/ton dry sludge, 0.32 tons/yr 7.055 lbs/day (3200 grams/day)
PM10/CPM	EPA 201A/202	120 min.	3	0.41 lbs/ton dry sludge (<30% ash) 0.48 lbs/ton dry sludge (≥30% ash) 7.4 tons/yr

3.2 Field Test Changes and Problems

The initial Particulate Matter (PM)/Metal run conducted on the incinerator with the WESP on was voided due to a failed post leak check. Due to the voided run, the PM Metal runs with the WESP on are numbered Run 1, 2 and 6. The PM/Metal runs with the WESP off are numbered Run 3, 4 and 5.

3.3 Presentation of Results

The results of the Emissions Compliance Testing Program indicate that the emissions from the FB Incinerator are within the allowable limits set forth for this facility by the CTDEEP. **Table 3-2 and 3-3** provides individual test run results and data.



**Table 3-2
Summary of Results
FB Sludge Incinerator – WESP on**

Pollutant	Units	Run 1	Run 2	Run 3 (6) ¹	Average	Emission Limit
Particulate Matter	Lbs/Ton of Dry Sludge	0.02	0.01	0.02	0.02	1.3
PM10 – Front Half	LB/HR	0.10	0.07	0.06	0.07	N/A
PM10 – Back Half	LB/HR	0.86	0.73	0.77	0.79	N/A
PM10	LB/HR	0.97	0.80	0.83	0.86	N/A
	Lbs/Ton of Dry Sludge	0.29	0.24	0.25	0.26	0.41
	Tons/Year	4.24	3.50	3.62	3.79	7.4
Sulfur Dioxide	Lbs/Ton of Dry Sludge	1.56	0.94	1.55	1.35	2.7
	Tons/Year	22.41	13.45	22.26	19.37	55.0
Nitrogen Oxides	Lbs/Ton of Dry Sludge	2.49	2.73	2.87	2.70	2.9
	LB/MMBtu	0.140	0.154	0.162	0.152	0.33
	Tons/Year	35.72	39.18	41.30	38.73	44.0
Carbon Monoxide	Lbs/Ton of Dry Sludge	0.93	1.26	1.23	1.14	1.4
	Tons/Year	13.40	18.05	17.67	16.37	22.0
VOCs	Lbs/Ton of Dry Sludge	0.08	0.12	0.11	0.10	0.32
	Tons/Year	1.22	1.74	1.52	1.49	4.9
Hydrogen Chloride	Lbs/Ton of Dry Sludge	0.01	0.01	0.01	0.01	0.32
Sulfuric Acid	Lbs/Ton of Dry Sludge	0.152	0.090	0.112	0.118	0.32
Arsenic	ug/M3	0.17	0.17	0.17	0.17	79.3
Beryllium	ug/M3	0.04	0.04	0.04	0.04	15.9
	Lbs/Day	0.0001	0.0001	0.0001	0.0001	0.022
Cadmium	ug/M3	0.50	0.06	0.04	0.20	634.6
Chromium	ug/M3	2.23	0.66	2.07	1.65	3966.3
Copper	ug/M3	0.44	4.17	0.10	1.57	31730.7



Lead	ug/M3	23.38	2.52	0.88	8.93	4759.6
	Lbs/Ton of Dry Sludge	0.0004	0.00004	0.00002	0.0002	0.021
	Tons/Year	0.006	0.0006	0.0002	0.002	0.32
Manganese	ug/M3	2.89	1.57	1.86	2.11	31730.7
Mercury	ug/M3	72.68	97.37	92.69	87.58	1586.5
	Lbs/Day	0.098	0.133	0.126	0.119	7.055
Nickel	ug/M3	3.31	2.60	1.87	2.60	7932.7
Selenium	ug/M3	14.48	11.21	12.29	12.66	6346.1
Zinc	ug/M3	38.97	24.14	17.68	26.93	158653.3

**Table 3-3
Summary of Results
FB Sludge Incinerator – WESP off**

Pollutant	Units	Run 4 (3) ¹	Run 5 (4) ¹	Run 6 (5) ¹	Average	Emission Limit
Particulate Matter	Lbs/Ton of Dry Sludge	0.10	0.06	0.09	0.08	1.3
PM10 – Front Half	LB/HR	0.28	0.03	0.32	0.21	N/A
PM10 – Back Half	LB/HR	2.04	0.40	0.82	1.08	N/A
PM10	LB/HR	2.32	0.43	1.13	1.29	N/A
	Lbs/Ton of Dry Sludge	0.71	0.13	0.35	0.39	0.41
	Tons/Year	10.16	1.88	4.97	5.67	7.4
Arsenic	ug/M3	0.92	0.39	1.04	0.78	79.3
Beryllium	ug/M3	0.05	0.05	0.05	0.05	15.9
	Lbs/Day	0.0001	0.0001	0.0001	0.0001	0.022
Cadmium	ug/M3	0.06	0.05	0.05	0.05	634.6
Chromium	ug/M3	2.96	0.37	1.07	1.47	3966.3
Copper	ug/M3	0.48	4.45	0.11	1.68	31730.7
Lead	ug/M3	4.36	0.89	1.92	2.39	4759.6
	Lbs/Ton of Dry Sludge	0.0001	0.00001	0.00003	0.00	0.021
	Tons/Year	0.001	0.0002	0.0005	0.0006	0.32

CK Project No. 4718
October 27, 2014

*Additional results/calculations/worksheets
available per request.
pg 10-31-14*

CK Environmental, Inc.
1020 Turnpike St., Suite 8
Canton, MA 02021 USA
Toll-free: 888-CKE-0303
International: 781-828-5200
Fax: 781-828-5380
www.ckenvironmental.com



Manganese	ug/M3	4.21	2.14	3.70	3.35	31730.7
Mercury	ug/M3	80.35	82.22	81.09	81.22	1586.5
	Lbs/Day	0.104	0.105	0.105	0.105	7.055
Nickel	ug/M3	3.84	0.43	1.42	1.90	7932.7
Selenium	ug/M3	39.75	16.06	25.44	27.08	6346.1
Zinc	ug/M3	36.39	17.49	19.05	24.31	158653.3

1-Please see Section 3.2 of this report for explanation of run numbers.

4.0 SAMPLING LOCATION

The test location is at rooftop level accessed by stairs and a test platform. There are two (2), four (4) inch ports on the vertical stack. The stack has a forty-two (42) inch inner diameter. The nearest upstream disturbance is 20 feet, 8 inches or 5.9 duct diameters and the nearest downstream disturbance is 34 feet, 1 inch or 9.7 duct diameters.

4.1 Traverse Point Locations

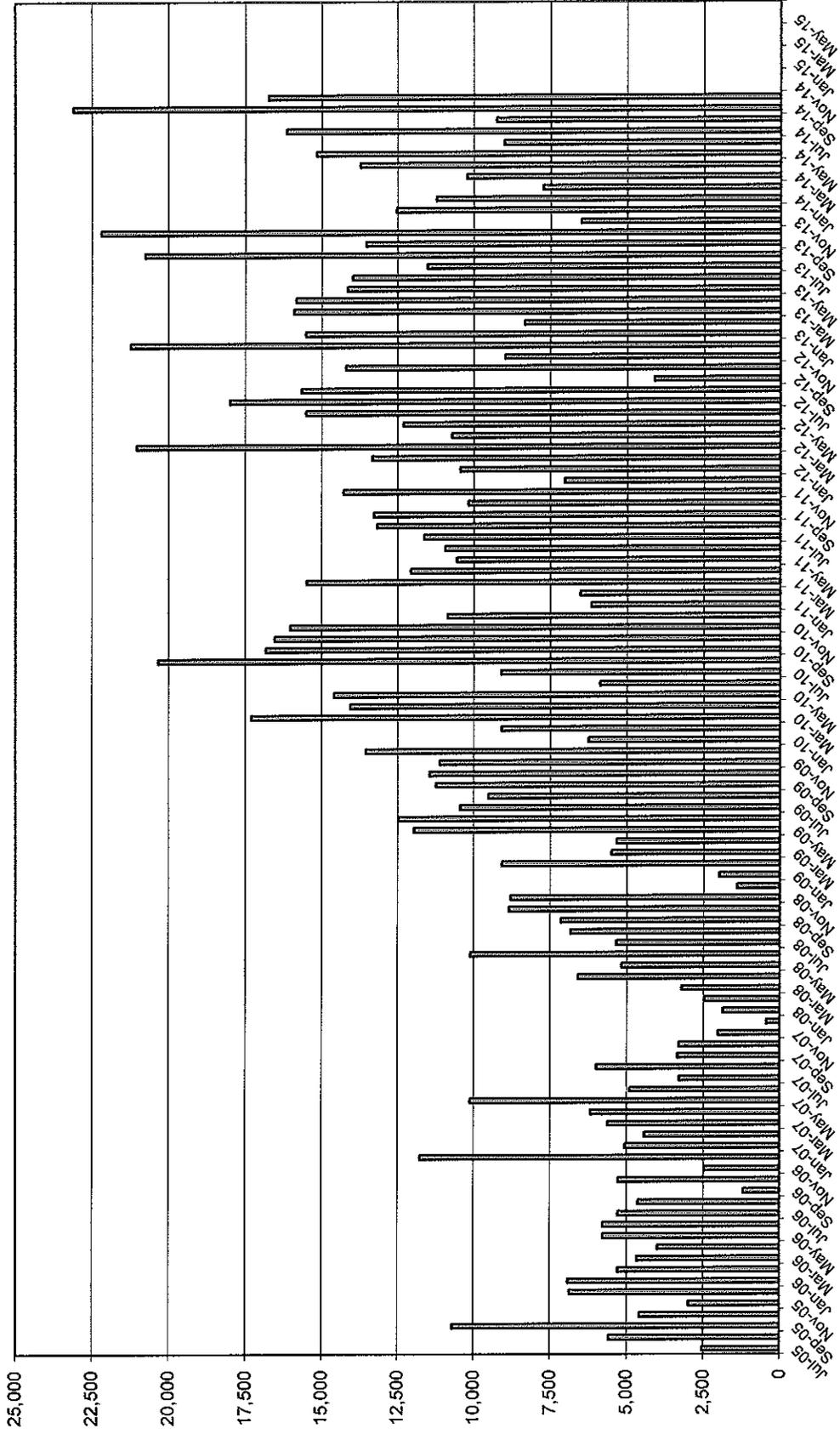
Based upon the requirements of Method 1, the probe was placed at a total of twelve (12) traverse points during isokinetic sampling. The traverse points are shown in Table 4-1 below, with six points per port.

**Table 4-1
Traverse Point Locations**

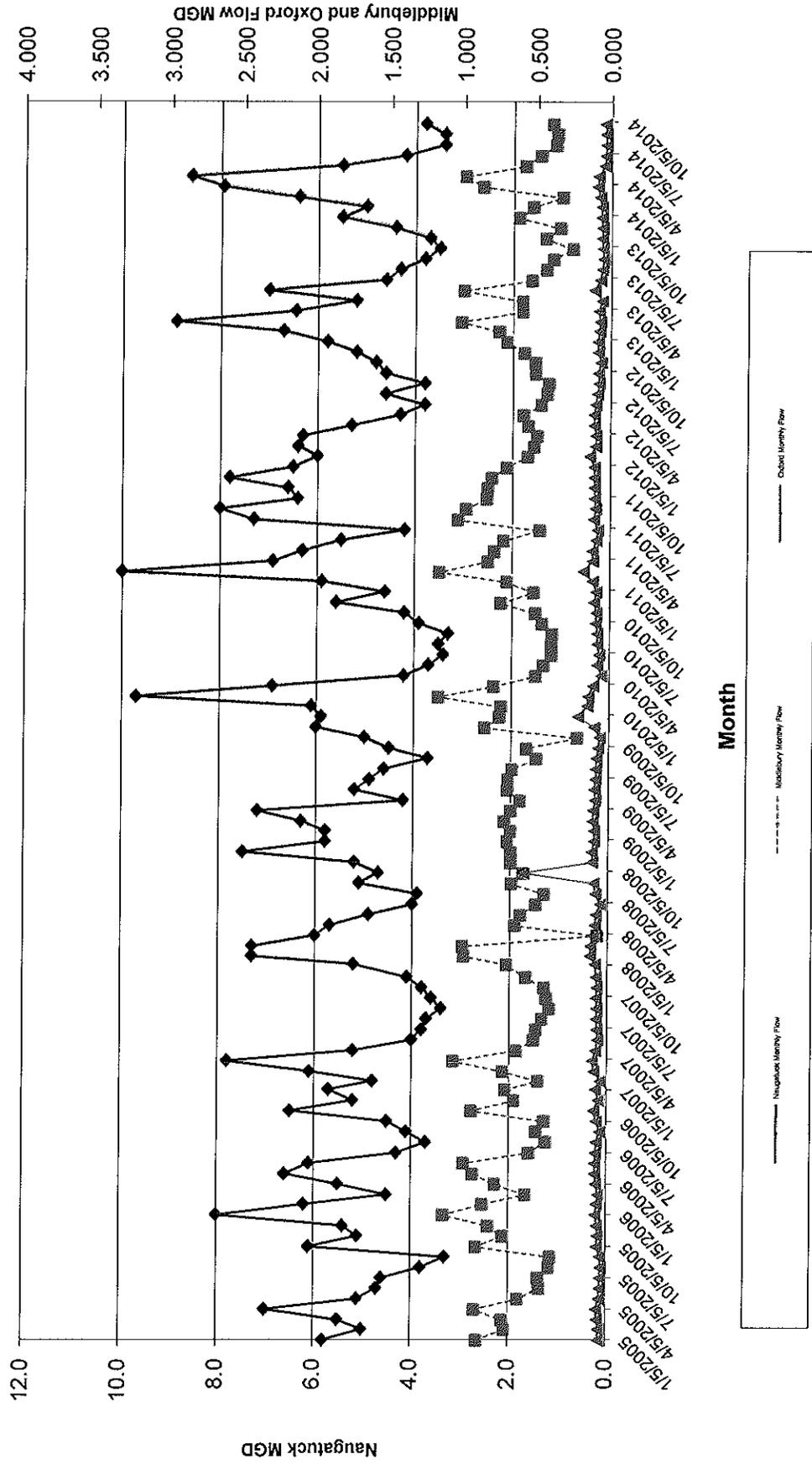
Traverse Point #	Percent (%) Of Stack Diameter	Distance (inches) From Inside Surface of Stack
1	4.4	1.8
2	14.6	6.1
3	29.6	12.4
4	70.4	29.6
5	85.4	36.7
6	95.6	40.2

**Borough of Naugatuck
Total Feet of Sewers Cleaned
July 2005 to Present**

Total Feet



Naugatuck, Middlebury and Oxford 2005 to Present Monthly Average Flows





BALL FIELD MANHOLE

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

Re: Sewer MH in Breens Field

1 message

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

23 October 2014 11:58

To: Rimas Balsys <r.balsys@cityofshelton.org>

Cc: Christopher Makuch <christopher.makuch@veolia.com>, Daniel Gorka <daniel.gorka@veolia.com>, Wayne Zirolli <WZirolli@naugatuck-ct.gov>, Ron Merancy <rjm62156@aol.com>, Jim Stewart <JStewart@naugatuck-ct.gov>

Thank you. That is exactly how the repair will be performed.

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.veolianoorthamerica.com

Resourcing the world  **VEOLIA**



On 23 October 2014 11:43, Rimas Balsys <r.balsys@cityofshelton.org> wrote:

Nice repair. I would suggest building a 4' x 4' box around the cone to the max height of the MH cover, and filling with concrete for the permanent repair. Hopefully, a locking cover will be fitted as part of the permanent solution.

Rimas J. Balsys

Rimas J. Balsys

Assistant City Engineer

City of Shelton

54 Hill Street

Shelton Ct. 06484

(203) 924-1555 ext. 1368

From: Batorski, John [mailto:john.batorski@veolia.com]
Sent: Thursday, October 23, 2014 11:41 AM
To: Rimas Balsys
Cc: Christopher Makuch; Daniel Gorka; Wayne Zirolli; Ron Merancy; Jim Stewart
Subject: Re: Sewer MH in Breens Field

Please see the attached pictures of the temporary repairs to that manhole.

John Batorski
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Municipal & Commercial Business

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On 23 October 2014 11:19, Rimas Balsys <r.balsys@cityofshelton.org> wrote:

Thanks John,

Keep us posted!

Rimas J. Balsys

Rimas J. Balsys

Assistant City Engineer

City of Shelton

54 Hill Street

Shelton Ct. 06484

(203) 924-1555 ext. 1368

From: Batorski, John [mailto:john.batorski@veolia.com]
Sent: Thursday, October 23, 2014 10:27 AM
To: Rimas Balsys; Christopher Makuch
Cc: Daniel Gorka; Wayne Zirolli; Ron Merancy; Jim Stewart; John Batorski
Subject: Re: Sewer MH in Breens Field

You are correct! I was mislead. After just leaving the site, that manhole will be temporarily sealed with foam today. A more permanent repair will be scheduled ASAP. I had thought at this point I do not have to go and check a manhole, however, it appears I must. We have met and will meet again with the Collections crew to discuss this issue such that it can never occur again.

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On 23 October 2014 08:03, Rimas Balsys <r.balsys@cityofshelton.org> wrote:

John,

This manhole most certainly stinks!!! Ask any of the 30 parents there on any baseball night. One of the pictures shows bricks missing, and looks like the frame could be easily slid off the cone. I would suggest a concrete collar be poured around the frame, right down to the ground. This manhole actually is easier to vandalize than most, since it is exposed and easily accessible.

Glad to hear that a meeting will take place at the site.

Rimas J. Balsys

Rimas J. Balsys

Assistant City Engineer

City of Shelton

54 Hill Street

Shelton Ct. 06484

(203) 924-1555 ext. 1368

From: Batorski, John [mailto:john.batorski@veolia.com]
Sent: Thursday, October 23, 2014 7:55 AM
To: Rimas Balsys; Daniel Gorka; Wayne Zirolli
Cc: Ron Merancy; Jim Stewart; John Batorski
Subject: Re: Sewer MH in Breens Field

Hello Rimas and Ron,,

After receiving this email last night, I spoke to the crew at 7 AM this morning. Yes this manhole was identified in late spring/early summer this year. The collections crew replaced the original vented manhole lid with a non vent lid. While the casting looks poor, there were no openings and the non vented manhole did not allow any odors to escape which was our first concern. The concrete repair is on our list. Routine jetting, manhole repair in the street always have priority however, we will take care of this as quickly as possible (we have a meeting scheduled onsite at that manhole there around 9:30 AM this morning). We did not forget and we are normally on top of collection issues.

Thank you for your patience,

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Resourcing the world  VEOLIA



On 23 October 2014 07:38, Rimas Balsys <r.balsys@cityofshelton.org> wrote:

Ron,

Its nice to see that you and I (2 volunteers) are interested in this MH, while no one else responded to my email.

Rimas J. Balsys

Rimas J. Balsys
Assistant City Engineer
City of Shelton
54 Hill Street
Shelton Ct. 06484
(203) 924-1555 ext. 1368

From: Ron Merancy [mailto:rjm62156@aol.com]
Sent: Wednesday, October 22, 2014 7:11 PM
To: r.balsys@cityofshelton.org; JStewart@naugatuck-ct.gov; john.batorski@veoliawaterna.com
Subject: Re: Sewer MH in Breens Field

John,

When was the last time you guys looked at these? Are they on your list to review? Were there ever any notations as to anything recommended repairs?

—Original Message—

From: Rimas Balsys <r.balsys@cityofshelton.org>
To: 'Jim Stewart' <JStewart@naugatuck-ct.gov>; 'John Batorski' <john.batorski@veoliawaterna.com>;

'Ronald Merancy' <rjm62156@aol.com>

Sent: Wed, Oct 22, 2014 7:56 am

Subject: Sewer MH in Breens Field

Took these pictures last night during my son's baseball practice. This manhole is located next to the last baseball field in Breens South South.

Rimas J. Balsys

Rimas J. Balsys

Assistant City Engineer

City of Shelton

54 Hill Street

Shelton Ct. 06484

(203) 924-1555 ext. 1368

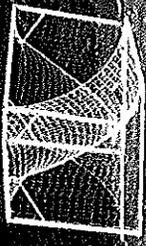
From: rimasb@aol.com [mailto:rimasb@aol.com]

Sent: Tuesday, October 21, 2014 7:16 PM

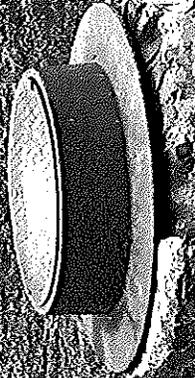
To: r. balsys

Subject:

Sent from my Verizon 4G LG G2 Smartphone



Before





01/10/2014 19:42

AFLEB-

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 10-9-14 TIME: 8:22 am

CALL TAKEN BY: Odor hotline

NAME OF COMPLAINANT: Ed Idarola PHONE

NUMBER: 203-729-3461

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED:

497 Cherry St

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: Wind variable - W, WNW, SSE, E, N

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: variable WIND SPEED: 2-7 mph WEATHER: TEMP 63 RAIN HUMID DRY UNSEASONABLY WARM/COLD N/A

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

Possible source #C-2 clean up for removal - Used permanganate to counteract odors prior to complaint

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON OFF PH 8.4 ORP 815 MAKE UP WATER: 0.5-1 GPM SPRAYS

FILTER BLDG SCRUBBER: ON OFF PH 8.8 ORP 853 MAKE UP WATER: 1-3 GPM SPRAYS

PERMANGANATE FEEDERS:

AERATION: ON OFF VERIFIED OPERATIONAL: YES NO

SLUDGE STORAGE: ON OFF VERIFIED OPERATIONAL: YES NO

ODOR COUNTERACTANT SYSTEM: ON OFF VERIFIED OPERATIONAL: YES SPRAYS

COMPLAINT REVIEWED BY: Chris Malachuk DATE: 10/9/14 TIME: 11:00 am

RETURN CALL MADE BY: Chris Malachuk DATE: 10/9/14 TIME: 11:30 am

RETURN CALL RESULTS: Left message on answering machine

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 10/15/14 TIME: 5:50 am

CALL TAKEN BY: email

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

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

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 Sewage

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: ESE WIND SPEED: 8 WEATHER: TEMP 71 RAIN HUMID DRY UNSEASONABLY WARM/COLD

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

difficult to determine when rec'd ~ 5 days late - complete plant tour

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON OFF PH 8.8 ORP 860 MAKE UP WATER: 0.5-1 GPM } all operational
SPRAYS good
FILTER BLDG SCRUBBER: ON OFF PH 8.6 ORP 775 MAKE UP WATER: 1-3 GPM }
SPRAYS good

PERMANGANATE FEEDERS:

AERATION: ON OFF VERIFIED OPERATIONAL: YES NO

SLUDGE STORAGE: ON OFF VERIFIED OPERATIONAL: YES NO

ODOR COUNTERACTANT SYSTEM: ON OFF VERIFIED OPERATIONAL: YES SPRAYS all ok

COMPLAINT REVIEWED BY: J Betorski DATE: 10/20/14 TIME: throughout the day

RETURN CALL MADE BY: _____ DATE: _____ TIME: _____

RETURN CALL RESULTS: Replied via email (reply to all) stating I would immediately investigate.

Email reply and complaint is attached.

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 10/18/14 TIME: 5:15 pm

CALL TAKEN BY: ema:1

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

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED: Rte. 8 North to Cross St.

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 sewage

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: ESE WIND SPEED: 1 WEATHER: TEMP 56 RAIN HUMID DRY UNSEASONABLY WARM/COLD

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

Difficult to determine with latest report - see 10/15/14

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON OFF PH 8.6 ORP 834 MAKE UP WATER: 0.5-1 GPM ok SPRAYS ok

FILTER BLDG SCRUBBER: ON OFF PH 8.2 ORP 432 MAKE UP WATER: 1-3 GPM ok SPRAYS ok

PERMANGANATE FEEDERS:

AERATION: ON OFF VERIFIED OPERATIONAL: YES NO

SLUDGE STORAGE: ON OFF VERIFIED OPERATIONAL: YES NO

ODOR COUNTERACTANT SYSTEM: ON OFF VERIFIED OPERATIONAL: YES SPRAYS ok

COMPLAINT REVIEWED BY: _____ DATE: _____ TIME: _____

RETURN CALL MADE BY: _____ DATE: _____ TIME: _____

RETURN CALL RESULTS:

See 10/15/14

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 10/20/14 TIME: 5:50 am

CALL TAKEN BY: email

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

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED:

326 Cherry St Ext, Naug.

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 "burning sewage"

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

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: ESE WIND SPEED: 3-5 WEATHER: TEMP 45 RAIN HUMID DRY UNSEASONABLY WARM/COLD

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

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON OFF PH 9 ORP 87 MAKE UP WATER: 0.5-1 GPM ok SPRAYS clean

FILTER BLDG SCRUBBER: ON OFF PH 8.9 ORP 83 MAKE UP WATER: 1-3 GPM ok SPRAYS clean

PERMANGANATE FEEDERS:

AERATION: ON OFF VERIFIED OPERATIONAL: YES NO

SLUDGE STORAGE: ON OFF VERIFIED OPERATIONAL: YES NO

ODOR COUNTERACTANT SYSTEM: ON OFF VERIFIED OPERATIONAL: YES SPRAYS good

COMPLAINT REVIEWED BY: _____ DATE: _____ TIME: _____

RETURN CALL MADE BY: _____ DATE: _____ TIME: _____

RETURN CALL RESULTS:

see 10/15/14



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

Re: odor complaints - Naugatuck, CT

1 message

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

21 October 2014 08:22

To: Denise Figueroa <deefig@gmail.com>, Daniel Gorka <daniel.gorka@veolia.com>

Cc: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, Wayne Zirolli <wzirolli@naugatuck-ct.gov>, Bob Mezzo <bmezzo@naugatuck-ct.gov>, Jim Stewart <jstewart@naugatuck-ct.gov>

There were several potential causes of the odor.

A scheduled repair to the aeration tanks was performed necessitating the draining of one set of tanks. These tanks are not normally drained however new diffusers were installed. While odor control measures were in place and the tanks pumped/drained/hosed as quickly as possible (additional pumps were rented, overtime was used), there may have been some fugitive odors.

There are large vertical conveyors that transport sludge. One on the conveyors failed. When the conveyor housing was cleaned for the repair, there may have been odors. Again, staff while cleaning does make every effort to minimize odors. These conveyors normally last years and it is rare to experience a failure.

There were also extra sludge cake trucks one day. While the trucks are unloaded quickly, as the trucks drive down the highway or the plant access road, unfortunately, at times there may be an odor from the truck. Not every truck has an odor and they are all covered with a tarp.

There is also a major roof repair project underway. Parts of the roof were removed and high pressure cleaned as new material was applied. We expect that project to be completed within the next week and do not anticipate any odors from that project.

We continue to strive to eliminate odors and apologize for the odors mentioned in your email. With all odor complaints, we investigate them, review them with the staff and report each of them to the WPCA Board.

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.comwww.veolianorthamerica.comResourcing the world 

On 20 October 2014 08:15, Batorski, John <john.batorski@veolia.com> wrote:

Denise,

Thank you for the report. I will immediately look into this.

Regards,

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

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Resourcing the world 



On 20 October 2014 07:59, Denise Figueroa <deefig@gmail.com> wrote:

The odor coming from the Naugatuck, CT Waste Water Treatment Facility has continued to be a nuisance. Recently, the odor has increased in intensity and frequency. I have listed a few recent dates, times, locations and odor details below.

I had hopes that this issue would be resolved, but it is worsening rather than improving.

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

10/15/2014
326 Cherry St. Ext.
05:50am
strong sewage odor (on a scale of 1-10 a 9)

NOAA weather:

10/18/2014
Route 8 North to Cross St.
17:15
strong sewage odor (on a scale of 1-10 a 8)

NWS weather:

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)			Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)				
						Air	Dwpt	6 hour Max.				altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr		
18	16:50	W 6	G 16	10.00	Mostly Cloudy			FEW040	BKN060	57	50	77%	NA	NA	29.57	NA		

10/20/14
05:50am
326 Cherry St. Ext
moderate odor smelled like burning sewage

NWS weather:

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)			Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)				
						Air	Dwpt	6 hour Max.				altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr		
20	05:45	Calm	10.00	10.00	Clear			SKC		32	25	75%	NA	NA	30.06	NA		



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

odor complaints - Naugatuck, CT

1 message

Denise Figueroa <deefig@gmail.com> 20 October 2014 07:59
 To: deep.aircomplaints@ct.gov, carmentita.wilson@ct.gov, wzirulli@naugatuck-ct.gov, Bob Mezzo <bmezzo@naugatuck-ct.gov>, John.Batorski@veolia.com

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18	16:50	W 6 G 16	10.00	Mostly Cloudy				FEW040	BKN060	57	50	77%	NA	NA	29.57	NA	

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Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)			Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)			
						Air	Dwpt	6 hour Max.				altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr	

10/20/2014

Corporate Mail - odor complaints - Naugatuck, CT

20	05:45	Calm	10.00	Clear	SKC	32	25	75%	NA	NA	30.06	NA
----	-------	------	-------	-------	-----	----	----	-----	----	----	-------	----

ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 10/25/14 TIME: 7:55 PM

CALL TAKEN BY: e-mail

NAME OF COMPLAINANT: Denise Figueroa PHONE NUMBER: 203-518-2419

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED:

326 Cherry St. Ext.

STRENGTH OF ODOR: FAINT NOTICABLE DEFINITE STRONG X 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: ESE WIND SPEED: calm WEATHER: TEMP 55 RAIN HUMID DRY UNSEASONABLY WARM/COLD

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

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON OFF PH 9.24 ORP 870 MAKE UP WATER: 0.5-1 GPM SPRAYS

FILTER BLDG SCRUBBER: ON OFF PH 8.86 ORP 824 MAKE UP WATER: 1-3 GPM SPRAYS

PERMANGANATE FEEDERS:

AERATION: ON OFF VERIFIED OPERATIONAL: YES NO

SLUDGE STORAGE: ON OFF VERIFIED OPERATIONAL: YES NO

ODOR COUNTERACTANT SYSTEM: ON OFF VERIFIED OPERATIONAL: YES SPRAYS

COMPLAINT REVIEWED BY: J Butarski/cmakuch DATE: 10-27-14 TIME: ~ 7-12:30pm

RETURN CALL MADE BY: N/A - email - (attached) DATE: TIME:

RETURN CALL RESULTS:

CTDEEP inspector called/visited site ~ 11AM, 10-27-14, Charmaine Molyneux. She toured the entire plant and observed no nuisance odors.

Suggest odor complaint was a combination of roofing odors, possibly mixed with truck odors. All plant equipment was in operation.

10-27 CTDEEP followup visit, Charmaine Molyneux, inspector on site ~ 2 hrs did not detect any nuisance odors. She stated she did not detect odors downwind as well.



Makuch, Christopher <christopher.makuch@veolia.com>

Fwd: odor complaint 10/25/14

1 message

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

Sun, Oct 26, 2014 at 4:31 PM

To: Christopher Makuch <christopher.makuch@veolia.com>, Tom Deller <tom.deller@veolia.com>, Suzanne Benoit <suzanne.benoit@veolia.com>, Debbie Camp <debbie.camp@veolia.com>

FYI - let's see if we can figure out where the odor came from.

Sue, please record the complaint.

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.comwww.veolionorthamerica.comResourcing the world **VEOLIA**

----- Forwarded message -----

From: Denise Figueroa <deefig@gmail.com>

Date: 25 October 2014 19:55

Subject: odor complaint 10/25/14

To: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, wzirulli@naugatuck-ct.gov, **Bob Mezzo** <bmezzo@naugatuck-ct.gov>, John Batorski <John.Batorski@veolia.com>

Once again the odor is unbearable. It started to smell at about 06:30 pm tonight. We are having a pumpkin carving party and were about to sit around the fire in the yard. At about 07:15 it got so strong we had to go inside. The odor began as a 2 or so and is now an 8.

Here are the current conditions from the NWS:

Mostly Cloudy

57°F

14°C

Humidity 51%

Wind Speed Calm

Barometer 29.62 in

Dewpoint 39°F (4°C)

Visibility 10.00 mi

Last Update on 25 Oct 6:50 pm EDT

Please feel free to contact me with any questions you may have,

Denise Figueroa

deefig@gmail.com

203-518-2414



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

odor complaint 10/25/14

1 message

Denise Figueroa <deefig@gmail.com>

25 October 2014 19:55

To: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, wzirulli@naugatuck-ct.gov, Bob Mezzo <bmezzo@naugatuck-ct.gov>, John Batorski <John.Batorski@veolia.com>

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Denise Figueroa
deefig@gmail.com
203-518-2414
326 Cherry St. Ext.
Naugatuck, CT 06770



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

Re: odor complaint 10/25/14

2 messages

Denise Figueroa <deefig@gmail.com>

25 October 2014 21:35

To: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, wzirrolli@naugatuck-ct.gov, Bob Mezzo <bmezzo@naugatuck-ct.gov>, John Batorski <John.Batorski@veolia.com>

It is now 09:30pm, my guests just went home. The first thing they said when I opened the door for them was "oh, it still smells". I walked them to their car and the smell was still very strong, about an 8.

Weather conditions from NWS:

Date	Time (edt)	Wind (mph)	Vis. (mi.)	Weather	Sky Cond.	Temperature (°F)				Relative Humidity	Wind Chill (°F)	Heat Index (°F)	Pressure		Precipitation (in.)		
						Air	Dwpt	6 hour					altimeter (in)	sea level (mb)	1 hr	3 hr	6 hr
								Max.	Min.								
25	21:15	W 3	10.00	Fair	CLR	55	41			59%	NA	NA	29.59	NA			
25	20:55	Calm	10.00	A Few Clouds	FEW085	55	41			59%	NA	NA	29.58	NA			

On Sat, Oct 25, 2014 at 7:55 PM, Denise Figueroa <deefig@gmail.com> wrote:

Once again the odor is unbearable. It started to smell at about 06:30 pm tonight. We are having a pumpkin carving party and were about to sit around the fire in the yard. At about 07:15 it got so strong we had to go inside. The odor began as a 2 or so and is now an 8.

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Visibility 10.00 mi

Last Update on 25 Oct 6:50 pm EDT

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Denise Figueroa
deefig@gmail.com
203-518-2414
326 Cherry St. Ext.
Naugatuck, CT 06770

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

26 October 2014 16:32

Draft To: Christopher Makuch <christopher.makuch@veolia.com>, Debbie Camp <debbie.camp@veolia.com>, Suzanne Benoit <suzanne.benoit@veolia.com>, Tom Deller <tom.deller@veolia.com>

Part 2 of the complaint.

John Batorski
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[Quoted text hidden]



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

Re: odor complaint 10/25/14

1 message

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

27 October 2014 08:11

To: Denise Figueroa <deefig@gmail.com>

Cc: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, Wayne Zirolli <wzirolli@naugatuck-ct.gov>, Bob Mezzo <bmezzo@naugatuck-ct.gov>, Jim Stewart <jstewart@naugatuck-ct.gov>, Daniel Gorka <daniel.gorka@veolia.com>

Good Morning,

A review of the complaint you filed for Saturday, Oct 25 at approximately 6:30 PM indicates the potential source of odor as the roof repair coating. The roofing contractor worked all day that day applying the final coating to a large roof area. Staff reports that odor around the plant at the time of the complaint as the wind was calm. All other processes at that time were normal and no trucks were parked onsite during that period. The roof repairs have been completed and that odor will decrease as the coating dries.

Thank you,

John Batorski
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Resourcing the world VEOLIA



----- Forwarded message -----

From: **Denise Figueroa** <deefig@gmail.com>

Date: 25 October 2014 21:35

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To: deep.aircomplaints@ct.gov, carmencita.wilson@ct.gov, wzirolli@naugatuck-ct.gov, **Bob Mezzo** <bmezzo@naugatuck-ct.gov>, **John Batorski** <John.Batorski@veolia.com>

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Last Update on 25 Oct 6:50 pm EDT

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Denise Figueroa
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203-518-2414
326 Cherry St. Ext.
Naugatuck, CT 06770



Date	Time	Temp	Out	Hi	Temp	Low	Out	Hum	Dew	Wind	Dir	Wind	Rm	Speed	Hi	Hi	Dir	Chill	Wind	Heat	Index	Heat	Index	TBW	Index	Bar	Rain	Rate	Rain	Rate	Heat	D-D
10/20/14	4:45a	36.3	36.3	36.3	36.2	36.2	91	33.9	6.0	SE	SE	0.50	0.42	8.0	9.0	SE	31.4	36.2	31.3	36.2	31.3	36.2	31.3	31.3	---	0.00	0.00	0.00	0.100	0.1		
10/20/14	4:50a	36.6	36.6	36.6	36.3	36.3	91	34.2	5.0	SE	SE	0.45	0.25	7.0	8.0	SE	32.5	36.5	32.4	36.5	32.4	36.5	32.4	32.4	---	0.00	0.00	0.00	0.099	0.1		
10/20/14	4:55a	37.2	37.2	37.2	36.6	36.6	91	34.8	3.0	SE	SE	0.25	0.42	8.0	9.0	SE	33.2	37.1	35.1	37.1	35.1	37.1	35.1	35.1	---	0.00	0.00	0.00	0.097	0.1		
10/20/14	5:00a	37.7	37.7	37.7	37.2	37.2	89	34.8	5.0	SE	SE	0.42	0.42	7.0	8.0	SE	33.8	37.6	33.7	37.6	33.7	37.6	33.7	33.7	---	0.00	0.00	0.00	0.095	0.1		
10/20/14	5:05a	38.1	38.1	38.1	37.7	37.7	87	34.6	5.0	ESE	ESE	0.42	0.42	7.0	8.0	ESE	34.2	37.9	34.0	37.9	34.0	37.9	34.0	34.0	---	0.00	0.00	0.00	0.093	0.1		
10/20/14	5:10a	38.9	38.9	38.9	38.2	38.2	87	35.4	2.0	ESE	ESE	0.17	0.17	5.0	5.0	ESE	38.6	38.7	38.4	38.7	38.4	38.7	38.4	38.4	---	0.00	0.00	0.00	0.091	0.1		
10/20/14	5:15a	39.7	39.7	39.7	38.9	38.9	87	36.1	1.0	ESE	ESE	0.08	0.08	4.0	4.0	ESE	39.7	39.5	39.5	39.5	39.5	39.5	39.5	39.5	---	0.00	0.00	0.00	0.088	0.1		
10/20/14	5:20a	40.7	40.7	40.7	39.7	39.7	85	36.5	1.0	ESE	ESE	0.08	0.08	5.0	5.0	ESE	40.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	---	0.00	0.00	0.00	0.084	0.1		
10/20/14	5:25a	41.6	41.6	41.6	40.7	40.7	83	36.8	2.0	ESE	ESE	0.17	0.17	5.0	5.0	ESE	41.6	41.4	41.4	41.4	41.4	41.4	41.4	41.4	---	0.00	0.00	0.00	0.081	0.1		
10/20/14	5:30a	42.5	42.5	42.5	41.7	41.7	80	36.8	1.0	ESE	ESE	0.08	0.08	3.0	3.0	ESE	42.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	---	0.00	0.00	0.00	0.078	0.1		
10/20/14	5:35a	43.1	43.1	43.1	42.5	42.5	79	37.0	1.0	ESE	ESE	0.08	0.08	3.0	3.0	ESE	43.1	42.8	42.8	42.8	42.8	42.8	42.8	42.8	---	0.00	0.00	0.00	0.076	0.1		
10/20/14	5:40a	43.7	43.7	43.7	43.1	43.1	78	37.3	1.0	ESE	ESE	0.08	0.08	4.0	4.0	ESE	43.7	43.4	43.4	43.4	43.4	43.4	43.4	43.4	---	0.00	0.00	0.00	0.074	0.1		
10/20/14	5:45a	44.4	44.4	44.4	43.7	43.7	77	37.6	0.0	---	---	0.00	0.00	0.0	0.0	---	44.4	44.1	44.1	44.1	44.1	44.1	44.1	44.1	---	0.00	0.00	0.00	0.072	0.1		
10/20/14	5:50a	45.3	45.3	45.3	44.5	44.5	75	37.8	3.0	ESE	ESE	0.25	0.25	7.0	7.0	ESE	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	---	0.00	0.00	0.00	0.068	0.1		
10/20/14	5:55a	45.6	45.6	45.6	45.3	45.3	73	37.4	6.0	ESE	ESE	0.50	0.50	9.0	9.0	ESE	42.4	45.2	42.0	45.2	42.0	45.2	42.0	42.0	---	0.00	0.00	0.00	0.067	0.1		
10/20/14	6:00a	45.9	45.9	45.9	45.6	45.6	72	37.4	5.0	ESE	ESE	0.42	0.42	8.0	8.0	ESE	43.4	45.4	42.9	45.4	42.9	45.4	42.9	42.9	---	0.00	0.00	0.00	0.066	0.1		
10/20/14	6:05a	46.3	46.3	46.3	45.9	45.9	71	37.4	6.0	ESE	ESE	0.50	0.50	11.0	11.0	ESE	43.3	45.8	42.8	45.8	42.8	45.8	42.8	42.8	---	0.00	0.00	0.00	0.065	0.1		
10/20/14	6:10a	46.6	46.6	46.6	46.3	46.3	69	37.0	7.0	ESE	ESE	0.58	0.58	11.0	11.0	ESE	43.1	46.1	42.6	46.1	42.6	46.1	42.6	42.6	---	0.00	0.00	0.00	0.064	0.1		
10/20/14	6:15a	47.0	47.0	47.1	46.6	46.6	67	36.6	7.0	ESE	ESE	0.58	0.58	14.0	14.0	ESE	43.6	46.4	43.0	46.4	43.0	46.4	43.0	43.0	---	0.00	0.00	0.00	0.063	0.1		
10/20/14	6:20a	46.9	47.1	47.1	46.9	46.9	66	36.1	10.0	ESE	SE	0.83	0.83	14.0	14.0	SE	41.7	46.2	41.0	46.2	41.0	46.2	41.0	41.0	---	0.00	0.00	0.00	0.063	0.1		
10/20/14	6:25a	47.0	47.0	47.0	46.9	46.9	67	36.6	7.0	ESE	ESE	0.58	0.58	12.0	12.0	SE	43.6	46.4	43.0	46.4	43.0	46.4	43.0	43.0	---	0.00	0.00	0.00	0.063	0.1		
10/20/14	6:30a	47.1	47.2	47.2	47.0	47.0	67	36.7	8.0	ESE	ESE	0.67	0.67	12.0	12.0	ESE	43.0	46.5	42.4	46.5	42.4	46.5	42.4	42.4	---	0.00	0.00	0.00	0.062	0.1		
10/20/14	6:35a	47.2	47.2	47.2	47.1	47.1	66	36.4	9.0	E	E	0.75	0.75	13.0	13.0	ESE	42.5	46.5	41.8	46.5	41.8	46.5	41.8	41.8	---	0.00	0.00	0.00	0.062	0.1		
10/20/14	6:40a	47.5	47.5	47.5	47.2	47.2	67	37.1	6.0	ESE	ESE	0.50	0.50	11.0	11.0	ESE	44.7	47.2	44.1	47.2	44.1	47.2	44.1	44.1	---	0.00	0.00	0.00	0.061	0.1		
10/20/14	6:45a	47.8	47.8	47.8	47.5	47.5	67	37.4	5.0	ESE	ESE	0.42	0.42	9.0	9.0	ESE	45.7	47.2	45.1	47.2	45.1	47.2	45.1	45.1	---	0.00	0.00	0.00	0.060	0.1		
10/20/14	6:50a	48.3	48.3	48.3	47.9	47.9	67	37.8	4.0	ESE	ESE	0.33	0.33	8.0	8.0	NW	46.9	47.7	46.3	47.7	46.3	47.7	46.3	46.3	---	0.00	0.00	0.00	0.058	0.1		
10/20/14	6:55a	48.9	48.9	48.9	48.3	48.3	67	38.4	2.0	W	W	0.17	0.17	5.0	5.0	W	48.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	---	0.00	0.00	0.00	0.056	0.1		
10/20/14	7:00a	49.5	49.5	49.5	48.9	48.9	65	38.2	3.0	NNE	NNE	0.25	0.25	6.0	6.0	SE	49.1	48.9	48.5	48.9	48.5	48.9	48.5	48.5	---	0.00	0.00	0.00	0.054	0.1		
10/20/14	7:05a	50.4	50.4	50.4	49.6	49.6	64	38.7	4.0	E	E	0.33	0.33	10.0	10.0	ESE	49.3	49.7	48.6	49.7	48.6	49.7	48.6	48.6	---	0.00	0.00	0.00	0.054	0.1		
10/20/14	7:10a	50.5	50.5	50.5	50.3	50.3	64	38.8	4.0	ESE	ESE	0.33	0.33	7.0	7.0	ESE	49.5	49.8	48.8	49.8	48.8	49.8	48.8	48.8	---	0.00	0.00	0.00	0.050	0.1		
10/20/14	7:15a	51.3	51.3	51.3	50.6	50.6	64	39.3	3.0	SW	SW	0.25	0.25	7.0	7.0	WSW	51.1	50.5	50.3	50.5	50.3	50.5	50.3	50.3	---	0.00	0.00	0.00	0.048	0.1		
10/20/14	7:20a	51.5	51.5	51.5	51.3	51.3	63	39.3	3.0	W	W	0.42	0.42	11.0	11.0	W	50.0	50.7	49.2	50.7	49.2	50.7	49.2	49.2	---	0.00	0.00	0.00	0.047	0.1		
10/20/14	7:25a	51.4	51.4	51.4	51.4	51.4	64	39.6	4.0	WNW	WNW	0.33	0.33	9.0	9.0	WNW	50.5	50.6	49.7	50.6	49.7	50.6	49.7	49.7	---	0.00	0.00	0.00	0.047	0.1		
10/20/14	7:30a	51.9	51.9	51.9	51.5	51.5	63	40.5	2.0	ESE	ESE	0.17	0.17	8.0	8.0	NW	51.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	---	0.00	0.00	0.00	0.045	0.1		
10/20/14	7:35a	52.6	52.6	52.6	51.9	51.9	64	40.8	1.0	N	N	0.08	0.08	5.0	5.0	N	52.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	---	0.00	0.00	0.00	0.043	0.1		
10/20/14	7:40a	52.8	52.8	52.8	52.6	52.6	62	40.1	4.0	NW	NW	0.33	0.33	9.0	9.0	NW	52.1	51.8	51.1	51.8	51.1	51.8	51.1	51.1	---	0.00	0.00	0.00	0.043	0.1		
10/20/14	7:45a	52.6	52.6	52.6	52.6	52.6	63	40.4	4.0	NW	NW	0.33	0.33	8.0	8.0	W	51.9	51.7	51.0	51.7	51.0	51.7	51.0	51.0	---	0.00	0.00	0.00	0.042	0.1		
10/20/14	7:50a	52.5	52.5	52.5	52.5	52.5	63	40.3	4.0	WNW	WNW	0.33	0.33	8.0	8.0	WNW	51.8	51.6	50.9	51.6	50.9	51.6	50.9	50.9	---	0.00	0.00	0.00	0.043	0.1		
10/20/14	7:55a	52.8	52.8	52.8	52.8	52.8	63	40.5	2.0	WNW	WNW	0.17	0.17	7.0	7.0	WNW	52.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	---	0.00	0.00	0.00	0.042	0.1		
10/20/14	8:00a	52.9	52.9	52.9	52.8	52.8	62	40.2	4.0	ESE	ESE	0.33	0.33	9.0	9.0	ESE	52.2	51.9	51.2	51.9	51.2	51.9	51.2	51.2	---	0.00	0.00	0.00	0.042	0.1		
10/20/14	8:05a	52.9	52.9	52.9	52.9	52.9	62	40.2	6.0	ESE	ESE	0.50	0.50	11.0	11.0	ESE	51.1	51.9	50.1	51.9	50.1	51.9	50.1	50.1	---	0.00	0.00	0.00	0.042	0.1		
10/20/14	8:10a	52.4	52.4	52.4	52.4	52.4	62	39.8	9.0	ESE	ESE	0.75	0.75	15.0	15.0	ESE	48.7	51.4	47.7	51.4	47.7	51.4	47.7	47.7	---	0.00	0.00	0.00	0.044	0.1		
10/20/14	8:15a	52.2	52.2	52.2	52.2	52.2	63	40.0	5.0	ESE	ESE	0.42	0.42	11.0	11.0	ESE	50.8	51.3	49.9	51.3	49.9	51.3	49.9	49.9	---	0.00	0.00	0.00	0.044	0.1		
10/20/14	8:20a	52.8	52.8	52.8	52.2	52.2	63	40.5	5.0	E	E	0.42	0.42	9.0	9.0	WSW	51.5	51.8	50.5	51.8	50.5	51.8	50.5	50.5	---	0.00	0.00	0.00	0.044	0		

Cake Load Tracking

Naugatuck, CT

Date: October 20, 2014

ticket #	Time in (Decian sys.)	time dumped	operator initials	Hauler	Source	Net Weight	Driver
125564	3:42 PM	3:42 PM	SS	Stone	Chicopee	50,000	Mike
125565	4:31 PM	4:45 PM	SS	M.B.I.	Suffolk, NY	51,220	Mike
125566	4:53 PM	5:30 PM	SS	Stone	New Rochelle	41,160	RON
125567	6:52 PM	4:30 PM	SS	M.B.I.	Suffolk, NY	47,340	Charlie
125568	10:17 PM	11:00 PM	MA	M.B.I.	Suffolk, NY	47,980	Mike
October 19, 2014							
105304	5:35 PM	7:05 AM	MA	Stone	New Rochelle	48,200	Stewart
773164	5:40 PM	7:05 AM	MA	Casita	Rochelle	57,920	Chavice
105305	8:27 AM	8:35 AM	MA	Stone	New Rochelle	47,740	Bruce
NKC-5218	11:26 AM	11:35 AM	MA	Synagro	Norwalk	45,860	Martin
775105	11:32 PM	2:28 PM	MA	M.B.I.	Suffolk	56,100	Charlie
125574	4:12 PM	5:00 PM	SS	M.B.I.	Suffolk, NY	53,300	Mike
125575	11:25 PM	11:55 PM	MA	Stone	N. Rochelle	47,400	TODD
October 20, 2014							
125576	2:54 AM	11:0A	MA	M.B.I.	Suffolk	49,700	CHARLIE
125577	2:30	4:20 PM	MA	Stone	N. Rochelle	45,580	Ray
125578	3:15 A	4:15 A	MA	Stone	N. Rochelle	48,400	TODD
125579	4:30 AM	5:05 A	MA	Synagro	Wobey	29,540	Kevin
125580	6:00 AM	7:20 AM	MA	Stone	Darby	43,040	Loach
NKC5219	10:21 AM	10:35 AM	MA	Synagro	Norwalk	48,300	Tom
125596	11:19 AM	12:10 PM	MA	Stone	Rochelle	46,650	Eben
125603	9:23 PM	9:30 PM	MA	Stone	N. Rochelle	31,020	TODD
125624	10:33 PM	10:55 PM	MA	Stone	N. Rochelle	48,120	Gerry

Cake Load Tracking

Naugatuck, CT

Date: October 2014

ticket #	Time in (Decian sys.)	time dumped	operator initials	Hauler	Source	Net Weight	Driver
		Sat	October	25, 2014			
125846	4:09 am	4:20 am	AY	Stone	N. Rochelle	44,960	Tony
125847	5:00 am			Stone	N. Rochelle	48,180	Gerry
775130	7:45 am	8:15 am	JIN	MBI	Suffolk	49,660	Charlie
125857	12:00 pm			MBI	Suffolk	53,640	Mike
125863	3:28 pm	3:45 pm	MA	MBI	Suffolk	50,580	Charlie
125864	3:44 pm	5:15 pm	MA	Good	Chicago	49,240	Brett
125865	8:53 pm	9:05 pm	MA	MBI	Suffolk	50,380	Mike
		SUNDAY	OCTOBER	26, 2014			
125866	12:07 am	12:20 am	AY	MBI	Suffolk	53,860	CHARLIE
125870	4:06 am	4:15 am	AY	Stone	N. Rochelle	45,500	TONY
775134	7:40 am	8:00 am	JIN	MBI	Suffolk	51,440	Charlie
105828	8:15 am	8:45 am	JIN	Stone	New Rochelle	47,480	Rose
775135	12:45 pm	1:00 pm	JIN	MBI	Suffolk	49,240	Mike
125877	3:07 pm	3:20	MA	MBI	Suffolk	61,940	Charlie
125878	11:04 pm	11:15 pm	AY	Stone	N. Rochelle	48,520	Todd
		MONDAY	OCTOBER	27, 2014			
125879	1:58 am	2:10 am	Butch	MBI	Suffolk	49,800	CHARLIE
125880	3:10 am	4:10 am	Butch	Stone	N. Rochelle	48,900	Todd
125881	3:43 am	5:45 am	Butch	Stone	N. Rochelle	46,400	RAY

*Charlie
used
diesel*



TRUCK ISSUE

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

Re: Waste tanker on Cherry st ext

1 message

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

29 October 2014 06:57

To: Denise Figueroa <deefig@gmail.com>, Daniel Gorka <daniel.gorka@veolia.com>

Cc: Bob Mezzo <bmezzo@naugatuck-ct.gov>, Wayne Zirolli <wzirolli@naugatuck-ct.gov>, Jim Stewart <jstewart@naugatuck-ct.gov>

Good Morning,

Yes a tanker did drive by this morning. The truck contained a chemical used for the wastewater treatment process. Since the vendor uses contract drivers, their GPS takes them down that route. These trucks have no odor and arrive at the plant perhaps once or twice per month.

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.veolionorthamerica.com

Resourcing the world **VEOLIA**



On 29 October 2014 05:57, Denise Figueroa <deefig@gmail.com> wrote:

A large tanker went past our house towards the plant about 20 minutes ago. We drove down spencer to elm and up to RiteAid. The truck entrance sign was well lie and we did not see any construction on the roads. Is there any reason why these vehicles are going down Cherry Street Extension?

Denise Figueroa

On Oct 27, 2014, at 8:11, "Batorski, John" <john.batorski@veolia.com> wrote:

Good Morning,

A review of the complaint you filed for Saturday, Oct 25 at approximately 6:30 PM indicates the potential source of odor as the roof repair coating. The roofing contractor worked all day that day applying the final coating to a large roof area. Staff reports that odor around the plant at the time of the complaint as the wind was calm. All other processes at that time were normal and no trucks were parked onsite during that period. The roof repairs have been completed and that odor will decrease as the coating dries.

Thank you,

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

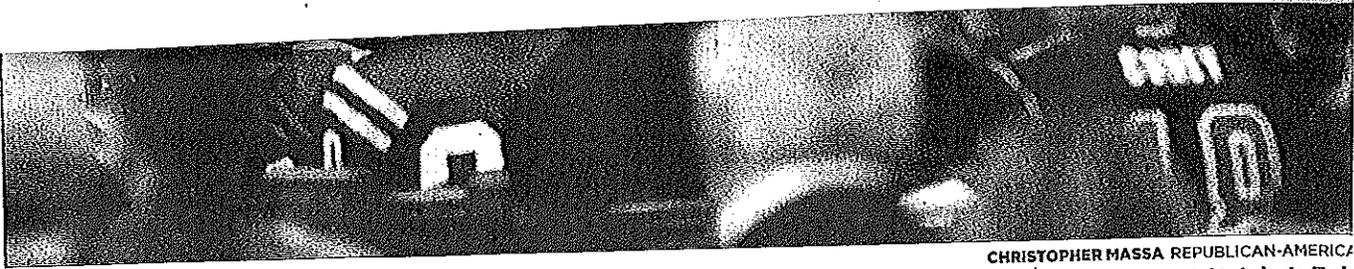
tel +1 203 723 1433 / cell +1 203 509 6010
 500 Cherry Street / Naugatuck, CT 06770
John.Batorski@veolia.com
www.veolionorthamerica.com

Resourcing the world **VEOLIA**



----- Forwarded message -----

to be
ci-
-4340.



CHRISTOPHER MASSA, REPUBLICAN-AMERICAN

Vanessa Lewis, left, and her husband, Kevin Lewis, perform during a vigil for victims of domestic violence at St John's Episcopal church in Waterbury on Thursday. The event was sponsored by Safe Haven of Greater Waterbury.

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Bonding plan up to voters

\$21.2 million package will be on ballot

BY KATE RANUNNI
REPUBLICAN-AMERICAN

NAUGATUCK — The borough is in a good financial position to bond several proposed projects, according to Naugatuck's financial consultants.

Ultimately, though, it is up to voters to decide whether they support the \$21.2 million worth of proposals that will be on the ballot next month.

Residents will be asked to vote on \$12.4 million for incinerator upgrades and pollution abatement projects at the wastewater

treatment plant; \$5 million in infrastructure projects, including several road repairs; \$1 million to renovate Hop Brook pool; \$2 million to repair the Whittemore Bridge on Maple Street; and \$775,000 for a new recycling center.

During a meeting at Town Hall on Thursday in which six public officials spoke to four residents, financial adviser Barry Bernabe said Naugatuck has an AA bond rating and a relatively low rate of debt.

The new debt would mean a 0.5 mill increase or lower in the first four years,

after which the level of debt would drop due to the retirement of other bonds.

In the wastewater treatment proposal, \$11.4 million is earmarked for installation of a filter that will remove mercury from the incinerator output, said engineering consultant Neil Kulikauskas.

The remaining \$1 million will go toward a wastewater treatment study.

The project is a federal Environmental Protection Agency, mandate that must be done or else the borough

See **PROJECTS**, Page 5B

ELECTION DAY 2014
TUESDAY, NOVEMBER 4
73RD HOUSE DISTRICT

Incumbent in 73rd gets no free pass

Challenger admits he has little chance



Berger

Caiazza

BY PENELOPE OVERTON
REPUBLICAN-AMERICAN

WATERBURY — Former "Frankie" Caiazza Jr. admits he has no political platform, no idea what's going on in Hartford and no chance of winning in the 73rd House District.

But the former Independent alderman best known for a family hot dog business refuses to let 10-term Democrat Jeffrey J. Berger "pass" when it comes to election.

"Jeff's a good guy, done a good job," Caiazza says.

See **ELECTION**, Page 5B

West End Starbucks passes hurdle

BY ANDREW LARSON
REPUBLICAN-AMERICAN

WATERBURY — The West End will soon be home to the city's first full-fledged Starbucks.

The Zoning Commission on Wednesday approved a drive-through for a Starbucks coffee shop and bakery, which developer Vincent LoRusso Sr. is building at 1250 West Main St.

The restaurant portion didn't require commission approval, but to build a drive-through LoRusso needed to obtain a special permit from the zoning commission.

"We're very excited about it and it will be a

See **STARBUCKS**, Page 5B

COFFEE TALK

Waterbury has two smaller Starbucks shops, one inside Barnes & Noble at the Brass Mill Commons and another in the Target store on Chase Avenue. The nearest standalone Starbucks is in Watertown.



enue:

The nearest standalone Starbucks is in Watertown, and nearest one with a drive-through is in Seymour.

The city's first full-service

out and go to the next stop down the road," said Meyers, referring to Dunkin' Donuts.

"Obviously, you've never had a Starbucks," Egan quipped.

ALFFA OP

said of FFA's popularity.

The courses are electives ranging from agricultural production and horse management to veterinary science and aquaculture.

Thursday night's dinner included sausage made by students in a food production class and peppers grown in the student garden. Dried ears of corn and pumpkins adorning the tables also came from the garden. The rest of the spread was donated by the FFA Alumni Association.

Davenport said the goal of the open house was for state legislators to hear testimonials from students and alumni in hopes of garnering more funding.

Of the 345 high school students enrolled in the regional program, 120 are from Region 14 and 225 are from other towns. Students from outside the school district pay tuition and the program receives money through state grants.

FFA receives \$3,200 per student from the state compared to more than \$7,000 per student for magnet schools, more than \$10,000 for charter schools and more than \$11,000 for vocational and technical schools, according to Davenport.

"The state needs to more equitably fund this program with the magnet schools," he said. "This was the first

PROJECTS: Voters getting bond package

will face stiff fines, Kulikauskas said. The incinerator generates revenue for the borough through contracts it has with businesses and other municipalities, he said. If it's not done, federal authorities have the power to shut it down, he said.

Borough officials have said they may have no choice but to bond for the project regardless of the vote outcome.

Resident Matt Katra said the borough could delay other items to pay for treatment plant upgrades.

About the pool, Burgess Bob Neth said it has been closed since 2011, when it fell into disrepair.

"Either do it or bury it — fix it or fill it in," he said. "The public will make that decision."

Borough Engineer Wayne Zirolli said a new recycling station is needed because the

current one on Rubber Avenue is too small and lacks several necessities, including bathrooms for employees. It has problems with pollution, traffic flow and little storage space.

It also makes economic sense to relocate the center because it's sitting on valuable commercial land. It could be moved to Cherry Street or in the industrial park.

The \$4 million plan would go toward repaving 15 borough roads. "It's less than what is needed but is good start," Neth said.

The bridge on Maple Street has needed improvements for years, and 12 years ago voters approved bonding \$2 million for it. The price has since increased. It will cost \$6 million, half of which will come from state and federal sources, Neth said.

BRIEFLY

Tag sale running at city basilica

WATERBURY — The Basilica of the Immaculate Conception is having its 11th annual tag sale daily through Oct. 31, from 10 a.m. to 5 p.m., at the Father Michael J. McGivney Building, 25 Prospect St.

Articles for sale include furniture, household items, antiques and jewelry.

For information, call Deborah Cronin at 203-597-7502.

Pumpkin patch at St. Anthony's

PROSPECT — The fifth annual Pumpkin Patch will be open weekdays from 3 to 6 p.m. and weekends from 10 a.m. to 6 p.m. through Oct. 31 at St. Anthony Church, Routes 68 and 69. Proceeds will support the church's HOPE Ministry, which assists the local community.

For information, visit www.prospectpumpkin-patch.com.

Tony's TIRES

"Due to the current state o economy, **YOU CAN'T AFFI NOT TO GO TO TONY'S TIR**

Manufacturers' Rebates A

WHEEL PACKAGE L

"My prices are worth the ride!" **4 WHEEL ALIGNMENT** our **EVERYDAY LOW PR**

M-F 7:30-6 • SAT 8:30-3 **FREE Alignment w/**

2067 S. Main St. • WTBY 20

Read all the business news



Oxford Selectman Dave McKane, right, pours water on Oxford First Selectman George Temple at the town hall on Wednesday. The event was held to raise money for breast cancer awareness this week. Below, Temple wipes his face after the dousing.

CHRISTOPHER MASSA REPUBLICAN-AMERICAN

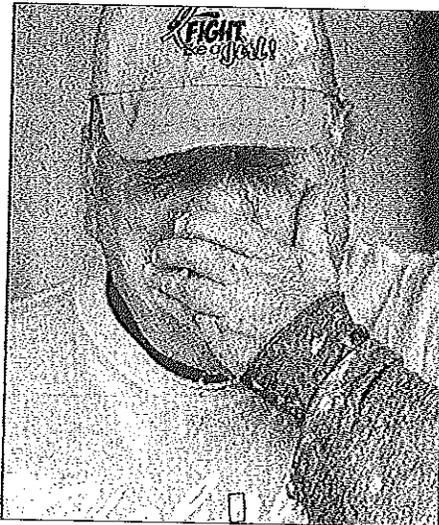
BY JORDAN OTERO
REPUBLICAN-AMERICAN

Oxford First Selectman George R. Temple was thinking pink Wednesday as he led an ice bucket challenge spin-off to raise money for breast cancer awareness.

About 20 people watched Temple don layers of pink as other town officials paid \$100 to dump pink water over his head to benefit a local breast cancer charity.

The event raised more than \$1,000 since it was announced last Thursday and at least \$700 was raised the day of the fundraiser. All proceeds will benefit Griffin Hospital's Breast Cancer Awareness Campaign.

Selectman David McKane was among



the first to shell out money to douse

Temple in honor of his mother, who is a breast cancer survivor.

"All joking aside, it's truly a bipartisan effort," McKane said. "George is a good sport and it's truly money well spent."

Board of Finance member Jack Kiley and Planning and Zoning Commission chairwoman Tanya Carver joined McKane in dumping water on Temple. Town Hall employees also pooled their money and each contributed a cup of water.

Temple said he hopes the money raised will serve Griffin Hospital's campaign well.

"I don't mind getting wet if it helps just one person get early detection," Temple said.

Contact Jordan Otero at jotero@rep-am.com, on Facebook at RA The Valley and on Twitter @RA_JOtero.

United Way to put focus on needs of working poor

BY MIKE PATRICK
REPUBLICAN-AMERICAN

WATERBURY — Chances are, you know ALICE.

ALICE might be your kid's softball coach, the clerk who sells you coffee and doughnuts every morning, or the single parent who lives down the street. ALICE might even be related to you.

It's an acronym for Asset

Limited Income Constrained Employed — essentially, the working poor — and is a new focus of the United Way of Greater Waterbury.

At its annual meeting Wednesday at the Country Club of Waterbury, Richard Porth, CEO of United Way of Connecticut, told those gathered that an ALICE is a person who earns above the

See ALICE, Page 5B

Borough: Bonds to fix roads, treatment plant

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — The borough released information Wednesday about how much the proposed bonds for capital improvement projects would impact future municipal budgets and taxes.

That information will be discussed in detail at a hearing today at 6 p.m. on the fourth floor of Town Hall.

The bonding packages, which voters will vote on during the election in November, include:

■ \$12.34 million in upgrades to the sewage treatment facility. The initial proposal was \$6 million, but since about \$55 million to \$60 million in federally-mandated upgrades will be necessary at the facility over the

See PROJECTS, Page 5B

isative sessions with one at the end to let constituents know what happened.

"I think it's important to give access to your constituents," he said.

Among the campaign issues important to Rivard is the plan for an 805-megawatt power plant in Oxford. It's close to Middlebury's border and town officials strongly oppose it.

Instead of the Connecticut Siting Council, which has jurisdiction on the siting of all power plants in the state, deciding on the application, Rivard believes it should instead be decided by residents voting in referendums in both towns.

children DeAnna, Krista, Anthony Jr.
 Contact: anthony.dame-
 llo@housegop.ct.gov,
 1-800-842-1423

"I think that's the most fair way, to have the rate payers vote on it," Rivard said. "I prefer to see things done that way."

He also supports more open space acquisition in Middlebury and reviewing state statutes to determine if changes can be made to give Middlebury more say on issues affecting Region 15, the school district it shares with Southbury.

mer state employee since 1996 for state vocational high school system Kaynor Technical High School in Waterbury, served in schools in Danbury and Torrington.
 Family: Wife: Arlene; adult daughters: Andrea, Noreen, Carolyn and Raellen; five grandchildren; one great-grandchild
 Contact: 203-598-0092; email: Ray.Rivard@icloud.com

Southbury has a larger population, leading to more school board members and a

lio said of fiscal problems leading to a state takeover years ago.

"Waterbury was out of money to make payroll and we had to do something," he said. "Today, Waterbury is on solid financial ground, because of the work we did in the legislature to get to this point."

Rivard said, "He has a certain level of creativity and vision, but I believe I have more to offer in vision, creativity and planning for the 71st District."

Contact Bill Bittar at bbittar@rep-am.com.

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IMPACT OF THE BONDING PROPOSALS:

The following is a breakdown of how the proposed bonding packages will impact the town's operating budget and, consequently, taxes in the coming years. A breakdown of the cost over the life of the bonding proposals is expected to be released tonight and placed on the borough's website, www.naugatuck-ct.gov.

Year	Total Proposed Debt Service	Existing and Proposed Debt Service	Annual Change	Value of 1 Mill	Tax rate impact of debt service
2014-15	\$221,625	\$6,461,161	\$851,360	\$1,587,900	0.54 mills
2015-16	\$1,098,275	\$6,461,161	\$849,872	\$1,595,840	0.53 mills
2016-17	\$1,919,825	\$7,766,182	\$455,149	\$1,603,819	0.28 mills
2017-18	\$2,670,550	\$8,337,172	\$570,990	\$1,611,838	0.35 mills
2018-19	\$2,618,950	\$8,223,141	-\$114,030	\$1,619,817	-0.07 mills
2019-20	\$2,567,350	\$8,098,782	-\$124,459	\$1,627,996	-0.08 mills

PROJECTS: Also bridge, lights, pool repairs

next two years, borough officials said they thought it was prudent to put more money up front initially. Plus, about \$800,000 from the borough's initial proposed operating budget for plant upgrades was cut and pushed onto the bonding request, said Jim Stewart, public works direc-

tor. ■ \$5.07 million, which includes \$4 million for road repairs, \$1 million for the Whittemore Memorial Bridge reconstruction project, and \$75,000 for a street light repair on Rubber Avenue. The roads that would be repaired would be Hoadley Street,

Wooster Street, Andrew Avenue, Scott Street, May Street, Raytkwich Road, Rado Drive, North Main Street, Rubber Avenue, Field Street, Cherry Street, Spring Street, Johnson Street and Water Street. Some of that money will also go toward repairs of various storm sew-

ers, sanitary sewers and sidewalks.

■ \$775,000 to relocate the Naugatuck Recycling Center off Rubber Avenue to another area, likely Cherry Street Extension.

■ \$1 million to repair the outdoor pool at Hop Brook School.



The in th The



Haven, served on the Republican Town Committee and as campaign manager on several GOP campaigns.

Contact Jordan Otero at jotero@rep-am.com, on Facebook at RA The Valley and on Twitter @RA_JOtero.

the district, while political newcomer Democrat Prez Palmer stood at 38 percent. "I'm very excited and honored to once again be re-elected," Kelly said. "I'm privileged to have the faith of my constituents behind

Naugatuck rejects bond items

BY PAUL SINGLEY
REPUBLICAN-AMERICAN

NAUGATUCK — Borough voters want their roads repaired and are willing to pay for it.

They are not, however, willing to pay for other costly projects, including upgrades to the sewage treatment plant, moving the recycling center off Rubber Avenue and repairing the public pool at Hop Brook School.

Of \$21.2 million in bonding proposal questions that were on the ballot Tuesday, voters approved just one: \$5.07 million to repair the Whittemore Bridge on Maple Street and fix several roads. That passed 5,060 to 2,439.

Mayor Robert A. Mezzo said he was not surprised.

"It certainly doesn't shock me that the question that most impacts people directly — infrastructure improvements of roads and bridges — would have passed," he said.

He said officials will have a difficult time determining what to do with the federal- and state-mandated repairs to the wastewater treatment plant. That \$12 million bond proposal failed 3,394 to 4,039.

The project included incinerator upgrades and pollution abatement projects, and installation of a filter to remove mercury from the incinerator output.

If the borough does not make the upgrades, Naugatuck will face stiff fines. If it's not done, federal authorities have the power to shut it down, officials say.

"It will be interesting to see what happens when we go back to DEEP (Department of Energy and Environmental Protection) and tell them voters rejected it because these projects weren't something we just wanted, they were mandated," Mezzo said.

He said he was a little saddened that the Hop Brook pool upgrades for \$1 million failed 2,543 to 4,855.

"That could have been nice for the community in a neighborhood that is challenged economically, and now it appears it is going to be closed for the foreseeable future," he said. "I respect the voters, but I can't say I'm not disappointed."

The final project, moving the recycling center for \$775,000, failed 2,731 to 4,690.

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1.75L CAPTAIN MORGAN SPICED RUM
1.75L ADMIRAL NELSON SPICED
1.75L CALICO JACK RUM
1.75L MALIBU RUM

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1.75L NEW AMSTERDAM GIN
1.75L SEAGRAM'S GIN
1.75L CALVERT GIN
1.75L YUKON JACK
1.75L DON JULIO SILVER
750ML PATRON SILVER

SCOT

1.75L DEWARS
1.75L SCORESBY RARE
1.75L CHIVAS REGAL
1.75L JOHNNIE WALKER RED
1.75L JOHNNIE WALKER BLACK
1.75L BALLANTINE

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750ML YELLOW TAIL VARIETALS
750ML ROSEMOUNT "DIAMOND"
750ML LINDEMANS VARIETALS
750ML RAIN SAUVIGNON BLANC
750ML CUPCAKE VARIETALS (all types)
1.5L YELLOW TAIL VARIETALS

CORDI

750ML CAROLAN'S IRISH CREAM
750ML GRAND MARNIER LIQUEUR
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