



May 7, 2015

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

**Re: April 2015 Monthly Operating Report**

Dear Mr. Merancy:

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

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 that reads "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 April 2015**

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

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

**2. Collection System Update:**

Please see attached Collections Report.

**3. Plant Performance Summary:**

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

Plant Process Data	Limit	Actual
Total Suspended Solids (mg/l)		
Influent Avg.	-	120
Effluent Avg.	30	5
Removal Efficiency	85%	96%
Plant Process Data*	Limit	Actual
Carbonaceous BOD (mg/l)		
Influent Avg.	-	73
Eff Avg(Nov 1 – May 31)	25	
Eff Avg(June – Oct 31)	15	4
Removal Efficiency	85%	95%

Discharge Permit Exceedance: None

	Naugatuck	Middlebury	Oxford	OTR
<b>April Flow Avg. (MGD)</b>	7.4	0.856	0.059	N/A
Sludge Liquid Total (MGal)				5,869.1
Sludge Cake Total (Wet Tons)				5,458
Septage Total (MGal)	78,250	37,000	217,200	592,
800				

Discharge Permit Exceedance: None

**Safety Incidents and Odor Complaints**

	Month	YTD
Recordable Accidents	0	0
Lost Time Accidents	0	0
Odor Complaints	1	2
Unconfirmed Odor Complaints	1	1

**1. Compliance & Regulatory Issues**

- a. An Administrative Order (AO) from CTDEEP was issued to Borough. The AO also detailed effluent violations without any explanation. The identified violations all reported, were mostly a result of high flow conditions due to sewer system inflow and infiltration issues. A failed PLC, a clogged metering pump check valve, a low eff DO, and a tripped circuit breaker were the other violations over the approximate 13 year period. In addition the AO states that upgrades/changes were not properly reported. All modifications were reported to CTDEEP in the monthly MOR's. In addition, the AO states on Oct 31, 2014 a suspended solids violation occurred. There is no record of a suspended solids violation on that date.
- b. On April 28 representatives from the Borough and Veolia legal teams were on site to inspect the files related to purchasing, trucking, and sludge receipts.

**2. Odor Complaints**

**Borough of Naugatuck**  
**Monthly WPCF Report April 2015**

- a. There was an odor complaint from 80 Lewis Street. We were not able to confirm this complaint as multiple staff were onsite in minutes and no odor was observed.
- b. Residents near the Gunntown Rd have observed odors again. Previously, those odors were confirmed from a force main from Oxford. Last year we gave Oxford some chemicals to eliminate the odor which was effective as the complaints stopped. We are installing data loggers for hydrogen sulfide in the sewer to record the frequency and duration of the odor. Unfortunately, we cannot control odors from the Oxford force main.

**3. Personnel**

- a. An Operator is still out of work recuperating from an illness.
- b. An Operator is out for non-work related surgery.
- c. An operator will transfer to the Redding facility. The replacement position is advertised.
- d. The Summer Intern position was cancelled this year as a result of poor economic conditions.
- e. Effective May 18 last year's summer intern will be full time and June 1 the Maintenance Planner will become part time. There is no increase in staff.

**4. Health & Safety**

- a. OSHA 10 Training was presented to the new personnel by ECS.

**5. Operational Information**

- a. On April 18, approximately 12 engineering students with their instructor from UCONN Central toured the facility.
- b. The cross collector failed on secondary tank 4 and was repaired.
- c. The #2 secondary tank was removed from service to repair a drain valve.
- d. The chlorine contact tanks were cleaned prior to the disinfection season.
- e. Otis elevator was onsite March 25 to repair the leaking seal on the freight elevator. The hydraulic piping was also repaired on this 35+ year old elevator (~\$14k). The NOV has been closed.

**6. Collections**

- a. A collection staff person was certified in PACP (Pipeline Assessment Certification Program) in April.
- b. The Borough requested the collections crew clean various storm water drains as their vac truck was out of service. Kleinfelder also requested assistance from the collections crew to open manholes near a sewer siphon. That out of scope work was invoiced to the Borough and Kleinfelder.

**7. Maintenance**

- a. The North centrifuge and hydraulic power pack was completely rebuilt by the factory.
- b. The cross collector on secondary tank #4 failed and was repaired.
- c. MCC 7 AC unit was repaired.
- d. Work continues on the Putzmeister sludge cake feed pumps.
- e. The chiller for the Piller blowers arrived and installation has started.

**8. Capital Projects**

- a. No report.

Borough of Naugatuck  
Collections Systems Report  
April 2015



Calls for Service	
1	04/05/15 - George St
2	04/13/15 - 83 Lewis St
3	04/13/15 - 25 Cherry St / Arch St easement
4	04/15/15 - Meadow St / Fairview Ave easement
5	04/17/15 - Da Silvas Auto on Rubber Ave
6	04/20/15 - 87 Coen St
7	04/28/15 - 90 Fairview Ave
8	

This Month  
7

Year to Date  
32

Calls Caused By Collection System	
1	George St
2	Cherry St / Arch St easement
3	Meadow St / Fairview Ave easement
4	90 Fairview Ave

Reason	
	Broken clay pipe at old repair
	Multiple root balls in line
	Roots and grease in the line
	Multiple roots and grease in line

High Velocity Cleaning			
	Street Name	Date	Footage
1	George St 9-195 downstream	4/6/2015	10
2	George st 9-196 to 9-195	4/7/2015	310
3	Sharon Ave 12-11 to end	4/8/2015	350
4	Pleasant Ave 12-3 to 12-14	4/8/2015	440
5	Hard St 12-9 to end	4/9/2015	200
6	Spencer St 9-221 to 9-222	4/9/2015	550
7	Spencer St 9-221 to 12-9	4/9/2015	400
8	Charles St 12-3 to 12-19	4/9/2015	125
9	Charles St 12-19 to 12-25	4/9/2015	110
	Charles Ct 12-19 to 12-21	4/9/2015	445
10	Sharon Ave 12-11 to Spencer St	4/9/2015	375
11	Cherry St / Arch St easement 9-34 to 9-42	4/13/2015	300
12	Harlow Ct 5-111 to 5-113	4/14/2015	335
13	Meadow St / Fairview Ave 9-192 upstream	4/15/2015	100
14	Cherry St / Arch St easement 9-42 to 9-44	4/15/2015	260
15	Spencer St 12-17 to 12-4	4/20/2015	400
16	Cherry St 9-73 to 12-19	4/20/2015	365
17	Elm St Syphon 9-31A to 9-31B	4/20/2015	100
18	Elm St 10-209 to 10-211	4/24/2015	380
19	Cherry St 12-2A to 12-3	4/24/2015	250
20	Spencer St 9-222 to 9-223	4/24/2015	330
21	Ward st 10-213B to 10-214	4/27/2015	300
22	Ward St 10-214 to 12-17	4/27/2015	575
23	Elm St 10-209 to Ward St intersection	4/27/2015	200
24	Brookside Ave 9-131 to 9-133	4/27/2015	710
25	N. Circle 9-134 to 9-131 A	4/27/2015	160
26	Fairview Ave 9-196 to 9-197A	4/28/2015	400
27	Fairview Ave 9-194A downstream	4/28/2015	150
28	South Circle 9-136 to 9-130A	4/29/2015	470
29	South Circle 9-130 to 9-131	4/29/2015	200
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

6 month list  
Call for service

This Month  
9300 Feet

Year to Date  
132309 Feet

**Root Treatment**

	Street Name	Type	Footage
1	Fairview Ave 9-194A upstream	root cutter	250
2	Fairview Ave 9-194A downstream	root cutter	150
3			

This Month  
400 Feet

Year to Date  
4411 Feet

**Video Inspections**

	Street Name	Type	Footage
1	Great Hill Rd 3-104 downstream	cctv	60
2	George St 9-196 downstream	cctv	50
3	Charles Ct 12-20 downstream	cctv	175
4	Bear Paw Rd 14-50 to 14-45	cctv	145
5	Tawny Thrush 14-45 to 14-41	cctv	580.5
6	Cherry St / Arch St easement 9-44 downstream	cctv	185
7	Edward St 9-14 to end	cctv	72
8	N. Main St Syphon bypass line	cctv	30
9	Fairview Ave 9-195 to 9-194A	cctv	355
10	Fairview Ave 9-194A downstream	cctv	200
11	Brookside 9-131A upstream	cctv	10

This Month  
1862.5 Feet

Year to Date  
5977.5 Feet

**Pump Station Services**

	Work performed	Location	Date	Notes
1	weekly pumpstation checks	all 5	4/3/2015	floats cleaned
2	weekly pumpstation checks	all 5	4/10/2015	floats cleaned
3	weekly pumpstation checks	all 5	4/17/2015	floats cleaned
4	weekly pumpstation checks	all 5	4/23/2015	
5				
6				
7				

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Pump 3
Inwood	End Reading	356.1	475.2	0.1
	Start Reading	316	431.1	0.1
	Hrs Run	40.1	44.1	0

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
MAPLE & MAY	End Reading	3434.6	2689
	Start Reading	3383	2643.7
	Hrs Run	51.6	45.3

PUMP RUN TIMES		HOURS		
STATION		Pump 1	Pump 2	Flow Meter
Platts Mill	End Reading	4564.5	6040.6	1272425
	Start Reading	4535.9	5887.7	980770
	Hrs Run	28.6	162.9	169326 gal

Lead pump replaced  
Lag pump inadequate pipe length for accurate flow readings.

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
Hopbrook	End Reading	1149.2	799.2
	Start Reading	1117.6	781.7
	Hrs Run	31.6	17.5

PUMP RUN TIMES		HOURS	
STATION		Pump 1	Pump 2
HORTON HILL	End Reading	8081.8	9843.2
	Start Reading	7991	9760.9
	Hrs Run	90.8	82.3

**Vac Truck Information**

**Days out of the plant working**

This Month	YTD	Remaining
15	149	1

**Fuel Information**

Fuel Cost	Fuel Used			
\$232.12	68.7	Gallons	YTD Gallons	
\$193.82	57.4	Gallons	1309.0	Gallons
		Gallons		
		Gallons	YTD Fuel Cost	
<b>This Months Total</b>	<b>\$425.94</b>	<b>126.0</b>	<b>Gallons</b>	<b>\$4,368.06</b>

**Mileage**

**Engine Hours**

Month Start	183992.3	Month Start	5545.7
Month End	184891.5	Month End	5594.6
Total	899.2	Total	48.9

**Utility Truck Information**

Fuel Cost	Fuel Used		
\$91.42	27.05	Gallons	YTD Gallons
\$106.13	31.4	Gallons	747.99
		Gallons	
		Gallons	YTD Fuel Cost
<b>Monthly Totals:</b>	<b>\$197.55</b>	<b>58.45</b>	<b>Gallons</b>
			<b>\$2,202.77</b>

**Other tasks and notes**

- 1 04/08/15 - George St dig with G&L to replace section of broken pipe. Used Vac truck to clear the line during the dig.
- 2 04/09/15 - Went to Guntown Rds old flow station and measured for new carbon filters and carbon can.
- 3 04/13/15 - Charles Ct dig with G&L to replace section of broken pipe. Used Vac truck to bypass flow while during the dig.
- 4 04/13/15 - Worked with the Public Works Department and used the Vac truck to clean storm drains on Cliff St.
- 5 04/14/15 - Met with G&L on Cherry St to locate a paved over M/H 9-42. Walked the Harlow Ct easement and inspected M/Hs.
- 6 04/15/15 - Met with G&L on Cherry St and replaced the paved over M/H 9-42.
- 7 04/16/15 - Cherry St / Arch St easement dig with G&L to replace section of pipe with obstructing root balls.
- 8 04/17/15 - Was called to the Da Silvas automotive dig to assist with CCTV work.
- 9 04/21/15 - Put the long vac tubes and brackets back on the Vac truck along with the front magnet box and rear valve.
- 10 04/22/15 - Spent whole day with Public Works Department cleaning storm drains on and around Cliff St.
- 11 04/23/15 - Pulled both pumps at Platts Mill pump station and de ragged them.
- 12 04/24/15 - Vac out and cleaned the Platts Mill wetwell.
- 13 04/29/15 - Met with G&L at the Brookside Ave dig to replace a section of pipe.
- 14 04/30/15 - Used Vac Truck to by-pass inflow to Maple / Mays wetwell while a electrical box was replaced.
- 15
- 16
- 17
- 18
- 19
- 20



Sent via certified mail #7009 2820 0004 1018 1443 on May 7, 2015

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

May 7, 2015

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

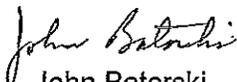
Dear Sir/Madam:

Enclosed please find the *Monthly Operating Report* for April 2015. The *Nutrients Analysis Report for Compliance with General Permit for Nitrogen Discharges* and the *Discharge Monitoring Report* was submitted electronically. Abnormal influent flows as a result of rainfall resulted in some lower than normal suspended solids and BOD. There were no exceptions to the reports.

Also enclosed is a summary of sludge sources received at this facility during the month of April 2015.

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			Return Sludge		Aeration Tank #2			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.	% Flow % Solids	MLSS	SVI	High D.O.	Low D.O.	% Flow % Solids	lbs	Wk Day	lbs	Wk Day	Septic	Indust	Inf.	Prim eff.	Final eff.
mgd	mgd	MG	lbs.		Work Day	Work Day	mg/l	mg/l	Work Day	Work Day	Work Day	4M Work Day	mg/l	Work Day	Work Day	Wk Day	Wk Day	gal	gal	mg/l	mg/l	mg/l	
1	10.3	6.0	8.1	0.420																			
2	8.5	3.1	7.5	0.384	4,792	73	5.0	0.9	108	1.15	6,788	88	5.0	1.3	1.15	13,696	108,410	19,000		60	76	<4	
3	10.2	6.3	8.0	0.420	2,668	90	2.7	1.0	99	1.19	5,692	111	3.0	1.3	1.22	12,148	151,584	17,750					
4	10.3	6.8	8.5	0.429	4,040	87	2.8	1.0	94	1.20	6,124	87	2.4	1.1	1.13	12,250	167,124	26,450					
5	10.4	6.3	8.3	0.426			5.0	0.2	87				5.0	0.5		12,250	138,736	5,000					
6	9.1	3.2	7.1	0.412			2.8	1.0	84				2.5	1.1		12,250	163,680	0					
7	10.3	4.8	7.9	0.469	3,692	87	2.7	1.0	102	1.13	5,140	95	2.6	1.1	0.85	5,287	153,228	29,000			70		<4
8	9.3	2.5	7.7	0.452	3,800	87	2.6	1.0	129	0.90	5,192	91	2.7	1.0	0.67	609	131,412	16,500			49		<4
9	8.8	6.3	7.9	0.444	4,168	82	2.5	1.0	137	0.92	5,364	80	2.5	1.0	0.95	1,565	144,768	28,500			57	67	<4
10	9.8	6.2	8.2	0.447	4,904	84	2.6	0.8	131	1.20	5,772	88	2.8	1.1	0.99	4,066	162,316	46,750					
11	9.8	6.6	8.0	0.193	4,328	83	2.6	0.9	140	0.95	5,712	88	2.6	0.8	1.04	2,412	168,084	37,200					
12	9.8	6.1	7.5	0.440			5.0	1.1	128				5.0	1.1		2,412	165,731	13,400					
13	8.4	6.0	7.3	0.449			2.7	0.9	141				2.4	1.2		2,412	168,084	0					
14	8.5	5.9	7.3	0.447	5,028	78	2.7	0.9	147	1.17	5,212	84	2.5	1.2	1.03	2,973	189,848	33,750			49		<4
15	8.5	5.6	7.1	0.450	6,820	63	2.3	1.2	141	1.24	6,880	70	2.4	1.1	1.08	3,165	166,416	30,000			49		<4
16	8.0	5.2	6.7	0.455	5,724	79	2.4	0.9	155	1.12	7,040	74	2.3	1.2	1.21	2,858	156,528	49,250					
17	8.3	4.8	7.0	0.454	6,164	83	5.0	0.2	158	1.10	7,120	79	2.2	0.2	1.14	2,794	154,116	52,750			150	200	<4
18	7.8	5.1	6.5	0.458	6,888	81	2.4	0.8	152	1.13	6,312	90	2.4	1.2	1.24	2,871	159,828	53,750					
19	7.8	4.5	6.4	0.447			2.2	1.4	163				2.2	1.3		2,871	155,664	14,950					
20	9.5	4.7	7.5	0.445			2.2	1.4	174				2.4	1.4		3,828	151,297	2,000					
21	10.0	7.5	8.7	0.364	7,568	75	5.0	1.2	149	1.32	6,676	90	5.0	1.4	1.33	19,651	144,295	26,800			55		<4
22	10.5	6.6	8.3	0.424	5,864	90	2.5	1.1	120	1.38	6,660	83	2.3	1.3	1.29	17,546	141,660	51,500			61		<4
23	9.3	6.6	7.8	0.447	5,788	88	2.4	0.9	124	1.36	6,372	89	2.3	1.2	1.19	9,255	163,680	48,000			45	74	<4
24	9.3	5.8	7.4	0.433	5,460	90	2.5	1.0	129	1.21	6,444	87	2.4	1.1	1.16	8,235	169,848	30,750					
25	8.3	5.7	6.9	0.195	6,724	73	2.5	1.2	144	1.24	7,092	83	2.4	1.0	1.09	6,329	156,328	41,500					
26	8.2	5.4	6.7	0.417			5.0	1.2	146				5.0	0.9		6,329	155,485	14,250					
27	9.2	5.1	6.9	0.432			2.5	1.1	153				2.3	1.1		6,329	168,084	0					
28	7.6	5.0	6.5	0.394	5,604	107	2.4	1.1	141	1.16	7,524	90	2.3	1.1	1.17	11,841	172,296	68,700			89		<4
29	9.2	4.4	6.9	0.433	5,552	86	2.5	1.2	174	1.15	6,608	88	2.3	1.3	1.11	7,337	163,680	58,200			96		<4
30	7.3	4.5	6.6	0.420	4,624	108	2.5	1.1	137	0.99	8,260	80	2.3	1.2	1.00	7,580	171,612	74,050			120		<4
					5,308	109	2.5	1.1	143	1.08	6,748	65	2.3	1.2	1.06	8,230	173,376	35,500					
Total	272.3	162.6	222.9																				
Ave.	9.1	5.4	7.4	0.416	5,250	86	3.0	1.0	134	1.15	6,397	85	2.9	1.1	1.09	7,046	4,717,199	925,250			73	104	4

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	lbs	4/Work Day	mg/l	high				low	mg/l	#/100ml	#/100ml	3/week	Mthy	3/wk	Inf.	Prim. Eff.	Final Eff.	Inf.	Prim. Eff.
Freq.	3/week			Wk Day	Wk Day	Wk Day	4/Work Day	mg/l	mg/l	mg/l	4/wk day	3/week	See table A of permit		3/week			mg/l	mg/l	mg/l	Monthly	Monthly	mg/l	Monthly	Monthly
1	130	240	7	0.0	2.8	0.00	0.00	0.00						10.50	12.6	<0.05	0.180	0.030	<0.010	0.54	0.12	2.920	16.40	26.80	1.090
2				0.0	2.6	0.00	0.00	0.00																	
3				0.0	5.9	0.00	0.00	0.00																	
4						0.00	0.00	0.00																	
5						0.00	0.00	0.00																	
6	55		<5	0.0	2.1	0.00	0.00	0.00						9.85		<0.05	0.480		<0.010	1.88		3.320	16.20		0.990
7	42		<5	0.0	2.2	0.00	0.00	0.00						11.10		<0.05	0.300		<0.010	2.24		2.850	16.70		0.570
8	41	56	<5	0.0	1.8	0.00	0.00	0.00						10.50		<0.05	0.290		<0.010	2.51		3.220	15.80		0.410
9				0.0	2.0	0.00	0.00	0.00																	
10				0.0	3.4	0.00	0.00	0.00																	
11						0.00	0.00	0.00																	
12						0.00	0.00	0.00																	
13	37		<5	0.0	2.2	0.00	0.00	0.00						11.30		<0.05	0.910		<0.010	0.99		4.110	16.90		0.830
14	49		<5	0.0	2.0	0.00	0.00	0.00						10.10		<0.05	0.430		<0.010	1.14		3.530	20.10		0.850
15				0.0	2.3	31.39	0.53																		
16	430	180	<5	0.0	3.7	46.57	0.83							9.35		<0.05	0.010		0.010	<0.02		2.410	17.10		1.040
17				0.0	2.3	47.82	0.82																		
18						51.10	0.94																		
19						50.81	0.95																		
20	57		<5	0.0	2.0	53.42	0.85		0.030	0.000	0.012			11.80		<0.05	0.490		<0.010	0.52		3.840	16.30		1.010
21	86		<5	0.0	2.3	65.66	0.90		0.030	0.000	0.020	20		8.50		<0.05	0.220		<0.010	0.77		2.960	14.00		0.920
22	110	210	<5	0.0	1.8	79.61	1.15		0.030	0.000	0.017	40		9.00		<0.05	0.150		<0.010	0.77		3.520	13.50		0.800
23				0.0	2.1	38.62	0.59		0.040	0.000		20													
24				0.0	2.7	60.42	0.98		0.040	0.000	0.025														
25						69.73	1.22		0.040	0.000	0.023														
26						71.85	1.29		0.040	0.000	0.020														
27	170		<5	0.0	1.5	63.77	1.10		0.040	0.000				12.70		<0.05	<0.010		<0.010	<0.02		4.200	29.70		1.380
28	160		<5	0.0	1.3	57.69	1.07		0.020	0.000	0.007	10		14.20		0.10	0.180		<0.010	0.08		3.460	23.10		1.160
29	190		<5	0.0	1.3	54.01	0.95		0.030	0.000	0.013	<10		10.50		0.18	0.150		<0.010	<0.02		4.140	25.90		1.460
30				0.0	1.9	56.22	1.02		0.030	0.000	0.012	20													
Total																									
Ave.	120	172	5	0.0	2.4	29.96	0.51		0.034	0.000	0.016	16		10.72	12.6	0.06	0.292	0.030	0.010	0.88	0.12	3.422	18.59	26.80	0.962

Units	Freq	Total N		Low D.O.	pH		Total P		Total P	Ortho P		Temp.		Arsenic	Copper	Nickel	Selenium	Zinc	Alkalinity		
		Inf.	Final Eff.		Inf.	Final Eff.	Inf.	Final Eff.		Inf.	Final Eff.	Inf.	Final Eff.						Pri.	Eff.	
		mg/l	Monthly	lb/d	4/wk day	S.U.	mg/l	Nov-March (Monthly) (April-October) 2/week	lb/d	Apr - Oct	mg/l	Nov-March (Monthly) (April - October) 2/week	Work day	mg/l	Mthly	kg/d	Wkly	kg/day	Wkly	kg/d	Wkly
1	17.1	27.0	4.0	267	7.9	7.1	6.5	2.62	308	1.25	4.32	53.4	62.6	<0.004	0.012	0.27	0.06	2.621	70	30	30
2					8.0	7.1	6.4					54.9	64.0						80	30	30
3					8.1	6.9	6.5					54.5	64.0						80	20	20
4																					
5																					
6	18.6		4.3	255	7.4	7.1	6.4	5.05	300		4.61	13.4	68.9						80	30	30
7	19.2		3.4	221	7.4	7.2	6.4					13.0	65.5						90	40	40
8	18.6		3.6	231	8.1	7.1	6.5	4.47	287		4.20	56.7	64.2	<0.004		0.28	0.11	2.618	80	40	40
9					7.7	7.2	6.5					54.1	65.3						90	40	40
10					7.5	7.2	6.6					55.9	66.2						80	40	40
11																					
12																					
13	18.8		5.0	304	7.2	7.3	6.6	5.34	326		5.30	57.0	67.6						90	30	30
14	21.7		4.4	268	7.1	7.3	6.6					57.2	71.8						90	40	40
15					6.9	7.3	6.7					57.9	78.3						110	40	40
16	17.1		3.5	196	7.2	7.1	6.7	5.30	297		5.30	59.5	69.8	0.007		0.32	0.07	1.594	100	40	40
17					7.2	7.2	6.8					58.5	69.4						120	40	40
18																					
19																					
20	17.3		4.9	306	6.9	7.3	6.6	5.04	317		4.52	62.1	70.5						100	40	40
21	15.0		3.9	283	6.5	7.2	6.6					59.4	71.6						100	40	40
22	14.4		4.3	298	6.7	7.1	6.6	4.80	331		4.80	62.2	74.7	<0.004		0.31	0.12	1.838	80	40	40
23					6.3	7.1	6.7					58.5	75.6						100	40	40
24					6.6	7.2	6.6					60.1	74.5						90	40	40
25																					
26																					
27	29.7		5.6	322	6.3	7.3	6.6	4.60	265		4.60	62.1	77.0						100	40	40
28	23.4		4.6	246	7.5	7.0	6.6					57.7	70.7						70	30	30
29	26.1		5.6	318	6.9	7.2	6.6	5.87	335		5.75	62.1	78.8						130	40	40
30					6.9	7.2	6.6					62.8	77.4						120	40	40
Total																					
Ave	19.8	27.0	4.4	270	7.2	7.2	6.6	2.62	307	1.25	4.82	58.1	70.4	0.004	0.012	0.30	0.09	2.168	93	37	37

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 Batoreki

Title:

Plant Manager

Signature: *John Batoreki*

Date: 5-7-15

Type	sludge_class	Gallons	Wet_Tons	City	State
Sludge	Ann.Styrenkes	5560	23.19	Newington	CT
Sludge	Municipal Cake		732.14	Bristol	CT
Sludge	Municipal Cake		479.07	Danbury	CT
Sludge	Municipal Cake		20.87	Greenwich	CT
Sludge	Municipal Cake		18.43	Norwalk	CT
Sludge	Municipal Cake		159.29	Seymour	CT
Sludge	Municipal Cake		486.99	Stamford	CT
Sludge	Municipal Cake		611.03	Chicopee	MA
Sludge	Municipal Cake		340.00	Glen Cove	NY
Sludge	Municipal Cake		377.54	Huntington	NY
Sludge	Municipal Cake		736.71	New Rochelle	NY
Sludge	Municipal Cake		218.57	Poughkeepsie	NY
Sludge	Municipal Cake		12.02	Rhinebeck	NY
Sludge	Municipal Cake		1,196.30	Suffolk	NY
Sludge	Municipal Cake		45.92	Yorktown Heights	NY
Sludge	Municipal Liquid	13000			
Sludge	Municipal Liquid	65000		Ansonia	CT
Sludge	Municipal Liquid	175500		Beacon Falls	CT
Sludge	Municipal Liquid	32500		Branford	CT
Sludge	Municipal Liquid	416000		Bridgeport	CT
Sludge	Municipal Liquid	39000		Heritage Village	CT
Sludge	Municipal Liquid	52000		Litchfield	CT
Sludge	Municipal Liquid	39000		Lynwood Place	CT
Sludge	Municipal Liquid	32500		New Canaan	CT
Sludge	Municipal Liquid	39000		New Hartford	CT
Sludge	Municipal Liquid	13000		Newtown	CT
Sludge	Municipal Liquid	71500		North Canaan	CT
Sludge	Municipal Liquid	136500		North Haven	CT
Sludge	Municipal Liquid	91000		Norwalk	CT
Sludge	Municipal Liquid	1020500		Southington	CT
Sludge	Municipal Liquid	130000		Plymouth	CT
Sludge	Municipal Liquid	58500		Ridgefield	CT
Sludge	Municipal Liquid	169000		Southbury	CT
Sludge	Municipal Liquid	929500		Stratford	CT
Sludge	Municipal Liquid	58500		Thomaston	CT
Sludge	Municipal Liquid	435500		Torrington	CT
Sludge	Municipal Liquid	140497		Westport	CT
Sludge	Municipal Liquid	383500		Windham	CT
Sludge	Municipal Liquid	19500		Bedford Hills	NY
Sludge	Municipal Liquid	614000		Mahopac	NY
Sludge	Municipal Liquid	97500		Pawling	NY
Sludge	Municipal Liquid	585000		Poughkeepsie	NY
Sludge	Municipal Liquid	6500		Somers	NY
Totals		5,869,057	5,458		



**DMIR Copy of Record**

**Permit:** CT0100641  
**Permit #:** Yes  
**Major:** 001 External Outfall  
**Permitted Feature:** From 04/01/15 to 04/30/15  
**Report Dates & Status:**  
**Monitoring Period:**  
**Considerations for Form Completion:**

**Permittee:** NAUGATUCK WPCF  
**Permittee Address:** 500 CHERRY STREET  
 NAUGATUCK, CT 06770  
**Discharge:** 001-1  
 SANITARY SEWAGE  
**DMIR Due Date:** 05/15/15  
**Status:** NotDMR Validated

**Facility:** NAUGATUCK, BOROUGH OF  
**Facility Location:** 500 CHERRY STREET  
 NAUGATUCK, CT 06770

**Principal Executive Officer:** John Batorski  
**First Name:** John  
**Last Name:** Batorski  
**No Data Indicator (NODI):** No Data Indicator (NODI)  
**Form NODI:**

Code	Parameter Name	Monitoring Location	Season	Permit NODI	Qualifier	Value 1	Qualifier	Value 2	Units	Qualifier	Value 1	Qualifier	Value 2	Units	Qualifier	Value 3	Units	Frequency of Analysis	Sample Type
00350	Flow rate	1 - Effluent Gross	0	-	7.4	Req Mon MO AVG	8.7	Req Mon DAILY MX	MGD									98/99 - Continuous	TM - TOTALZ
00350	Oxygen, dissolved (DO)	1 - Effluent Gross	0	-			6.3	6 INST MIN										98/99 - Continuous	TM - TOTALZ
00310	BOD, 5-day, 20 deg. C	T - See Comments	0	-														01/01 - Daily	GR - GRAB
00400	pH	1 - Effluent Gross	0	-			6.4	6 INST MIN										01/01 - Daily	GR - GRAB
00530	Solids, total suspended	1 - Effluent Gross	0	-														03/07 - Three Per Week	CP - COMPOS
00550	Solids, total suspended	S - Sewerage Inflow	0	-			118.3	Req Mon MO AVG										03/07 - Three Per Week	CP - COMPOS
00550	Solids, total suspended	T - See Comments	0	-														03/07 - Three Per Week	CP - COMPOS
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	4	-			0.1	25 MO AVG										01/09 - Quarterly	CP - COMPOS
00610	Nitrogen, ammonia total (as N)	T - See Comments	0	-														01/09 - Quarterly	CP - COMPOS
00615	Nitrogen, nitra total (as N)	T - See Comments	0	-														01/09 - Quarterly	CP - COMPOS
00620	Nitrogen, nitra total (as N)	T - See Comments	0	-														01/09 - Quarterly	CP - COMPOS

*Sent electronically 5-7-15*

*JBatorski*



Sample No.	Sample Description	Sample Type	Sample Date	Sample Value	Unit	Req. Min	Req. Max	Comments	Frequency	Compliance
01067	Nickel, total [as Ni]	1 - Effluent Gross	01-19-16	0.3	mg/L	0.32	0.32		01/07 - Weekly	CP - COMPOS
01067	Nickel, total [as Ni]	G - Raw Sewage Influent	01-19-16	2.14 MO AVG	mg/L	3.94 DAILY MX	3.94 DAILY MX		01/07 - Weekly	CP - COMPOS
01067	Nickel, total [as Ni]	T - See Comments	01-19-16	1.37	mg/L	1.37	1.37		01/07 - Weekly	CP - COMPOS
01067	Nickel, total [as Ni]	W - See Comments	01-19-16	Req Mon DAILY MX	mg/L	Req Mon DAILY MX	Req Mon DAILY MX		01/07 - Weekly	CP - COMPOS
01077	Silver, total [as Ag]	T - See Comments	01-19-16	0.008	mg/L	0.008	0.008		01/07 - Weekly	CP - COMPOS
01082	Zinc, total [as Zn]	1 - Effluent Gross	01-19-16	2.17	mg/L	2.02	2.02		01/07 - Weekly	CP - COMPOS
01082	Zinc, total [as Zn]	G - Raw Sewage Influent	01-19-16	3.79 MO AVG	mg/L	5.68 DAILY MX	5.68 DAILY MX		01/07 - Weekly	CP - COMPOS
01082	Zinc, total [as Zn]	T - See Comments	01-19-16	25.85	mg/L	25.85	25.85		01/07 - Weekly	CP - COMPOS
01082	Zinc, total [as Zn]	T - See Comments	01-19-16	Req Mon DAILY MX	mg/L	Req Mon DAILY MX	Req Mon DAILY MX		01/07 - Weekly	CP - COMPOS
01100	Antimony, total [as Sb]	T - See Comments	01-19-16	0.087	mg/L	0.087	0.087		01/07 - Weekly	CP - COMPOS
01100	Aluminum, total [as Al]	T - See Comments	01-19-16	19	mg/L	19	19		01/07 - Weekly	CP - COMPOS
01147	Selenium, total [as Se]	1 - Effluent Gross	01-19-16	0.09	mg/L	0.12	0.12		01/07 - Weekly	CP - COMPOS
01147	Selenium, total [as Se]	G - Raw Sewage Influent	01-19-16	38 MO AVG	mg/L	78 DAILY MX	78 DAILY MX		01/07 - Weekly	CP - COMPOS
01147	Selenium, total [as Se]	T - See Comments	01-19-16	0.14	mg/L	0.14	0.14		01/07 - Weekly	CP - COMPOS
46000	Phenols	T - See Comments	01-19-16	0.004	mg/L	0.004	0.004		01/07 - Weekly	CP - COMPOS
59000	Chlorine, total residual	T - See Comments	01-19-16	10	mg/L	10	10		01/07 - Weekly	CP - COMPOS
71800	Mercury, total [as Hg]	T - See Comments	01-19-16	0.0002	mg/L	0.0002	0.0002		01/07 - Weekly	CP - COMPOS
03007	Three Per Week		03/07 - Three Per Week	4		4	4		03/07 - Three Per Week	CP - COMPOS

Sample No.	Parameter	Value	Unit	Req. Min	Req. Max	Frequency	Method
80123	BOD, carbonaceous, 5 day, 5 C	0	mg/L	0	40 DAILY MAX	0307 - Three Per Week	CP - COMPOS
80125	BOD, carbonaceous, 5 day, 5 C	0	mg/L	73.08	Req Mon MO AVG	0307 - Three Per Week	CP - COMPOS
80126	BOD, carbonaceous, 5 day, 5 C	0	mg/L	0	4	0100 - Quarterly	CP - COMPOS
81011	Solids, suspended percent removal	0	%	85.0	Req Mon DAILY MAX	0307 - Three Per Week	CA - CALCTD
81333	Carbonaceous oxygen demand, % removal	0	%	95		0307 - Three Per Week	CA - CALCTD
T04C3D	Nasal Static 48% Acids D, Pulex	0	%	100		0100 - Quarterly	CP - COMPOS
T04C3E	Nasal Static 48% Acids Phenolase	0	%	90 MINIMUM		0100 - Quarterly	CP - COMPOS

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

**Edit Check Errors**

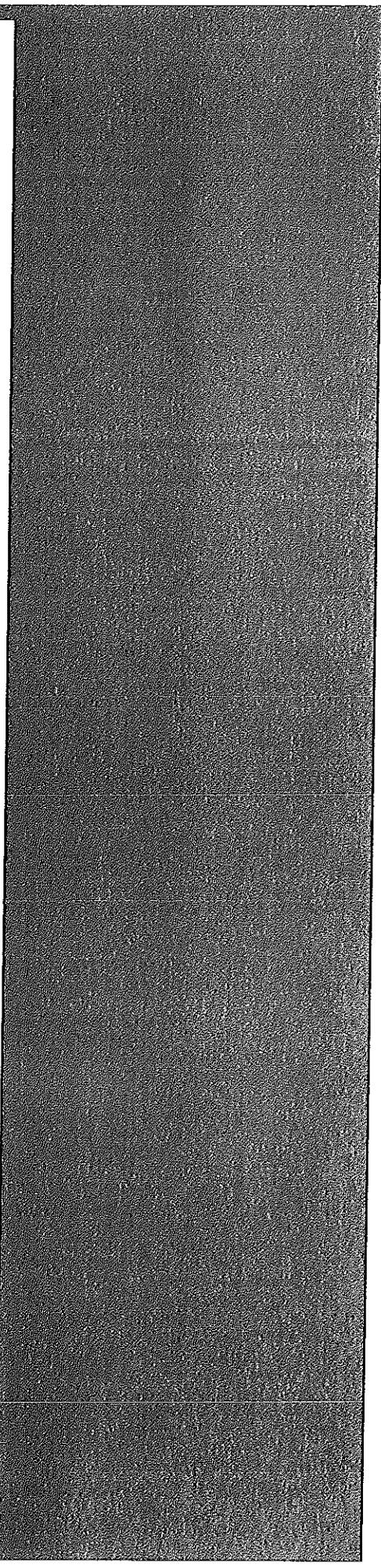
**Comments**

**Attachments**  
 No attachments.

**Report Last Saved By**  
 NAUGATUCK WPCF

**User:** John.Batoraki@voilawatoma.com  
**Name:** John Batoraki  
**E-Mail:** John.Batoraki@voilawatoma.com

**Date/Time:** 2015-05-07 08:23 (Time Zone: -04:00)





STATE OF CONNECTICUT  
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
WATER PROTECTION AND LAND REUSE BUREAU



**BYPASS REPORT FORM**

City or Town: Naugatuck

Type of Bypass

- Raw Sewage
- Disinfected Raw Sewage
- Partially Treated Sewage
- Disinfected Partially Treated Sewage
- Sludge Spill
- Other: \_\_\_\_\_

Cause of Bypass

- Weather Conditions \_\_\_\_\_
- Mechanical Equipment Failure \_\_\_\_\_
- Electric Utility Failure \_\_\_\_\_
- Electrical Equipment Failure \_\_\_\_\_
- Approved Shutdown \_\_\_\_\_
- Limited capacity:  Dry weather  Wet weather
- Blockage of Sewer Line due to:
  - Grease,  Roots,  Other: \_\_\_\_\_

Location of Bypass

- Treatment Plant
- Pump Station
- Manhole,  Lateral,  Basement
- Main,  Private

Exact Location of By-Pass: Meadow street, MH 9-192 A

Date and Time By-Pass was Discovered: 4 / 15 / 2015 1 / 00 AM/PM

Date and Time By-Pass was Stopped: 4 / 15 / 2015 1 / 15 AM/PM

How By-Pass was Discovered: Town employee noticed surcharge

Quantity/Volume of By-Pass: 10 gallons

How Quantity/Volume was Determined: Visual estimate

If Equipment Failure, date of last inspection, maintenance or repairs: NA / /

Receiving Waters (If Applicable) NA

Steps taken to minimize volume and duration of By-Pass: Jetted line, cleared roots (crew was working less than a block away)

Action taken to eliminate By-Pass: Jetted line, removed root ball

Steps Taken to prevent recurrence of By-Pass: Treat with root control

Was area of By-Pass cleaned of debris?  Yes  No

Method Used: minimal cleanup necessary

Date of Last Blockage / Back up / Surcharge NO record at this location: / /

# BYPASS NOTIFICATION LOG

Permittee shall notify DEEP within 2 hours of becoming aware of the bypass and shall submit a written report within 5 days.

DATE/TIME

2 Hours Notification Report

4/15/2015 CT DEEP - Iliana Raffa (860) 424-3758 (Primary DEEP Contact)  
If Iliana Raffa is not available, you must call Municipal Facilities Section at number below:

/ / CT DEEP (860) 424-3704 [(860) 424-3338 (DEEP Emergency Dispatch) only for after hours] DO NOT LEAVE VOICE MAIL MESSAGES

\_\_\_\_\_ Name of person contacted

/ / CT Bureau of Aquaculture (203) 874-0696 Option 2 Monday through Friday 8:00 and 4:30 pm (Required only if bypass is south of Interstate Route 95)

\_\_\_\_\_ Name of person contacted.

After hours/weekend must refer to call list provided by Bureau of Aquaculture  
DO NOT LEAVE VOICE MAIL MESSAGES

/ / CT Dept. of Public Health (860) 509-7333 (Drinking Water Section) notify Monday through Friday 8:30 to 5:00 pm if bypass occurred in following towns: Bristol, Cheshire, Danbury, Goshen, Groton, Hamden, Manchester, Mansfield, Middletown, North Haven, Norwalk, Ridgefield, Shelton, Stamford Vernon, and Woodstock.

\_\_\_\_\_ Name of person contacted

/ / CT Dept. of Public Health (860) 509-7296 (Recreation Section) notify from Monday through Friday 8:30 to 5:00pm if bypass occurred from April 1<sup>st</sup> through September 30<sup>th</sup>.

\_\_\_\_\_ Name of person contacted

/ / Local Health Department or Regional Health District  
\_\_\_\_\_ Name of person contacted

/ / Health Director of Contiguous Towns (Coastal Plants Only) or Health Director of Town Downstream (Inland Plants)

\_\_\_\_\_ Name of person contacted

/ / Fax to CT DEEP, Iliana Ayala (860) 424-4067

/ / Fax to CT Aquaculture (203) 783-9976 (If south of I-95)

/ / Fax to Local Health Department or Regional Health District 203-881-3259

Report Submitted by: Natalie Vecerza Title: Engineering Technician

Signature: [Signature] Date: 4/15/2015 Phone # 203-723-1433

Submit Completed Report to either by fax or by mail: State of Connecticut, Department of Energy & Environmental Protection, Water Bureau - Attention: Iliana Raffa, 79 Elm Street, Hartford, CT 06106-5127  
Rev. 7/27/2011

Water Pollution Control

Date/Time: Apr. 15. 2015 2:25PM

File No. Mode	Destination	Pg(s)	Result	Page Not Sent
6273 Memory TX	8604244067	P. 2	OK	

Reason for error

E. 1) Hang up or line fail	E. 2) Busy
E. 3) No answer	E. 4) No facsimile connection
E. 5) Exceeded max. E-mail size	E. 6) Destination does not support IP-Fax



STATE OF CONNECTICUT  
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
WATER PROTECTION AND LAND REUSE BUREAU



BYPASS REPORT FORM

City or Town: Naugatuck

<u>Type of Bypass</u>	<u>Cause of Bypass</u>
<input checked="" type="checkbox"/> Raw Sewage	<input type="checkbox"/> Weather Conditions
<input type="checkbox"/> Disinfected Raw Sewage	<input type="checkbox"/> Mechanical Equipment Failure
<input type="checkbox"/> Partially Treated Sewage	<input type="checkbox"/> Electric Utility Failure
<input type="checkbox"/> Disinfected Partially Treated Sewage	<input type="checkbox"/> Electrical Equipment Failure
<input type="checkbox"/> Sludge Spill	<input type="checkbox"/> Appured Shutdown
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Limited capacity: <input type="checkbox"/> Dry weather
<u>Location of Bypass</u>	<input type="checkbox"/> Wet weather
<input type="checkbox"/> Treatment Plant	<input type="checkbox"/> Blockage of Sewer Line due to:
<input type="checkbox"/> Pump Station	<input type="checkbox"/> Overalls, <input type="checkbox"/> Rocks, <input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> Manhole, <input type="checkbox"/> Lateral, <input type="checkbox"/> Basement	
<input type="checkbox"/> Main, <input type="checkbox"/> Private	

Exact Location of By-Pass: Meadow street, MH 9-192 A

Date and Time By-Pass was Discovered: 4 / 15 / 2015 1 / 00 AM (M)

Date and Time By-Pass was Stopped: 4 / 15 / 2015 1 / 15 AM (M)

How By-Pass was Discovered: Town employee noticed surcharge

Quantity/Volume of By-Pass: 10 gallons

How Quantity/Volume was Determined: Visual estimate

If Equipment Failed, date of last inspection, maintenance or repair: NA / /

Receiving Wastewater (If Applicable): NA

Steps taken to minimize volume and duration of By-Pass: Jetted line, cleared roots (crew was working less than a week away)

Action taken to eliminate By-Pass: Jetted line, removed root ball

Steps Taken to prevent recurrence of By-Pass: Treat with root control

Was area of By-Pass cleaned of debris?  Yes  No

Method Used: minimal cleanup necessary

Date of Last Blockage / Back up / Surcharge at this location: NO record

Date/Time: Apr. 15. 2015 2:27PM

File No. Mode	Destination	Pg(s)	Result	Page Not Sent
6274 Memory TX	2037839976	P. 2	OK	

Reason for error  
 E. 1) Hang up or line fail  
 E. 2) Busy  
 E. 3) No answer  
 E. 4) No facsimile connection  
 E. 5) Exceeded max. E-mail size  
 E. 6) Destination does not support IP-Fax



STATE OF CONNECTICUT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 WATER PROTECTION AND LAND REUSE BUREAU



BYPASS REPORT FORM

City or Town: Naugatuck

<b>Type of Bypass</b>	<b>Cause of Bypass</b>
<input checked="" type="checkbox"/> Raw Sewage	<input type="checkbox"/> Weather Conditions
<input type="checkbox"/> Disinfected Raw Sewage	<input type="checkbox"/> Mechanical Equipment Failure
<input type="checkbox"/> Partially Treated Sewage	<input type="checkbox"/> Electric Utility Failure
<input type="checkbox"/> Disinfected Partially Treated Sewage	<input type="checkbox"/> Electrical Equipment Failure
<input type="checkbox"/> Sludge Spill	<input type="checkbox"/> Approved Shortfall
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Limited capacity: <input type="checkbox"/> Dry weather
<b>Location of Bypass</b>	<input type="checkbox"/> Wet weather
<input type="checkbox"/> Treatment Plant	<input type="checkbox"/> Blockage of Sewer Line due to:
<input type="checkbox"/> Pump Station	<input type="checkbox"/> Grate <input type="checkbox"/> Roots <input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> Mainline <input type="checkbox"/> Lateral <input type="checkbox"/> Basement	
<input type="checkbox"/> Manhole <input type="checkbox"/> Private	

Exact Location of By-Pass: Meadow Street, MH 9-192 A

Date and Time By-Pass was Discovered: 4 / 15 / 2015 1:00 AM (M)

Date and Time By-Pass was Stopped: 4 / 15 / 2015 1:15 AM (M)

How By-Pass was Discovered: Town employee noticed surcharge

Quantity/Volume of By-Pass: 10 gallons

How Quantity/Volume was Determined: Visual estimate

If Equipment Failure, date of last inspection, maintenance or repair: NA / /

Receiving Waters (if Applicable): NA

Steps taken to minimize volume and duration of By-Pass: Jetted line, cleared roots (crew was not using less than a water away)

Action taken to eliminate By-Pass: Jetted line, removed root ball

Steps taken to prevent recurrence of By-Pass: Treat with root blocker

Was area of By-Pass cleaned of debris?  Yes  No

Method Used: minimal cleanup necessary

Date of Last Blockage / Back up / Surcharge at this location: NO record

Date/Time: Apr. 15. 2015 2:27PM

File No.	Mode	Destination	Pg(s)	Result	Page Not Sent
6275	Memory TX	2038813259	P. 2	OK	

Reason for error  
 E. 1) Hang up or line fail  
 E. 2) Busy  
 E. 3) No answer  
 E. 4) No facsimile connection  
 E. 5) Exceeded max. E-mail size  
 E. 6) Destination does not support IP-Fax



STATE OF CONNECTICUT  
 DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION  
 WATER PROTECTION AND LAND REUSE BUREAU



BYPASS REPORT FORM

City or Town: Naugatuck

<u>Type of Bypass</u>	<u>Cause of Bypass</u>
<input checked="" type="checkbox"/> Raw Sewage	<input type="checkbox"/> Weather Conditions
<input type="checkbox"/> Disinfected Raw Sewage	<input type="checkbox"/> Mechanical Equipment Failure
<input type="checkbox"/> Partially Treated Sewage	<input type="checkbox"/> Electric Utility Failure
<input type="checkbox"/> Disinfected Partially Treated Sewage	<input type="checkbox"/> Electrical Equipment Failure
<input type="checkbox"/> Sludge Spill	<input type="checkbox"/> Approved Shutdown
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Limited capacity: <input type="checkbox"/> Dry weather
<u>Location of Bypass</u>	<input type="checkbox"/> Wet weather
<input type="checkbox"/> Treatment Plant	<input type="checkbox"/> Blockage of Sewer Line due to:
<input type="checkbox"/> Pump Station	<input type="checkbox"/> Grass, <input type="checkbox"/> Roots, <input type="checkbox"/> Other
<input checked="" type="checkbox"/> Manhole, <input type="checkbox"/> Lateral, <input type="checkbox"/> Basement	
<input type="checkbox"/> Main, <input type="checkbox"/> Private	

Exact Location of By-Pass: Meadow Street, MH 9-192 A

Date and Time By-Pass was Discovered: 4 / 15 / 2015 1:00 AM (M)

Date and Time By-Pass was Stopped: 4 / 15 / 2015 1:15 AM (M)

How By-Pass was Discovered: Town employee noticed surcharge

Quantity/Volume of By-Pass: 10 gallons

How Quantity/Volume was Determined: Visual estimate

If Equipment Failure, date of last inspection, maintenance or repairs: NA / /

Receiving Works (If Applicable): NA

Steps taken to minimize volume and duration of By-Pass: Jetted line, cleared roots (crew was working less than a week away)

Action taken to eliminate By-Pass: Jetted line, removed root ball

Steps Taken to prevent recurrence of By-Pass: Treat with root control

Was area of By-Pass cleaned of debris?  Yes  No

Method Used: minimal cleanup necessary

Date of Last Blockage / Back up / Surcharge at this location: NO record



Sent Certified R.R.R. mail #7009 2820 0004 1018 1436 on April 28, 2015

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

April 28, 2015

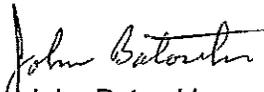
**Re: Aquatic Toxicity Monitoring Report, 2<sup>nd</sup> Quarter 2015**

To Whom It May Concern:

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

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

Sincerely,  
Veolia Water North America – Northeast, LLC

  
John Batorski  
Plant Manager

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

## Aquatic Toxicity Monitoring Report (ATMR) Instruction Form -Municipal

Client Name/Project: Phoenix - Naugatuck Test Date: 4/8/15

Sample ID: BH92799



**New England Bioassay**  
a Division of GZA GeoEnvironmental, Inc.

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

**Your results were as follows:**

Pass

- Fail – Retesting is required within 30 days. Please proceed according to the instructions in the “Recording and Reporting of Violations” Section of your permit.
- Invalid – Retesting is required within 30 days. Please proceed according to the instructions in the “Recording and Reporting of Violations” Section of your permit.
- Unable to determine using the information available. Please compare results to your permit limits. Please submit a current copy of your permit to the New England Bioassay Laboratory so that we may accurately determine the status of your test results in the future and so that we can confirm that test protocols comply with your permit requirements.

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

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

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

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

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

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

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

**NEW ENGLAND BIOASSAY**

**ATMR COVER SHEET**

**CLIENT:** Phoenix Environmental Laboratories  
**ADDRESS:** 587 East Middle Turnpike  
P.O. Box 370  
Manchester, CT 06040

***D.pulex* TEST ID #:** 15-440a  
***P.promelas* TEST ID #:** 15-440b  
**COC #:** C35-1714  
**PROJECT #:** 05.0044745.00

**SAMPLE:** Naugatuck WPCF

**RECEIVED ON:** 4/8/15

LABORATORY CONTROL WATER		
NEB Lot #:	<u>A35-S003</u>	<u>SRCF</u>
Hardness:	<u>46</u>	<u>mg/L as CaCO<sub>3</sub></u>
Alkalinity:	<u>35</u>	<u>mg/L as CaCO<sub>3</sub></u>

SAMPLE COLLECTION INFORMATION	
DATE(s):	<u>4/6/15 to 4/7/15</u>
TIME(s):	<u>1:49pm to 1:22am</u>

INITIAL CHEMISTRY DATA			TECHNICIAN INITIALS:		
Color	<u>Light yellow</u>	Temp. (°C)	<u>4.9</u>	Hardness (mg/L)	<u>106</u>
Cond. (µmhos/cm)	<u>803</u>	D.O.(mg/L)	<u>9.8</u>	Alkalinity (mg/L)	<u>20</u>
Salinity (ppt)	<u>&lt;1</u>	pH (su)	<u>6.7</u>	TRC (mg/L)	<u>0.022</u>

**INVERTEBRATE**

Test Set Up Technician Initials:           MG            
 Test Type: Screen  
 Test Species: *Daphnia pulex*  
 Source: New England Bioassay  
 NEB Lot#: Dp15(4-8)  
 Age: < 24 Hours  
 Test Solution Volume: 30 ml  
 # Organisms/Test Chamber: 10  
 # Organisms/Concentration: 50  
 # Organisms/Control: 30  
 START DATE: 4/8/15 AT 1025  
 END DATE: 4/10/15 AT 1010

**VERTEBRATE**

Test Set Up Technician Initials:           MG            
 Test Type: Screen  
 Test Species: *Pimephales promelas*  
 Source: New England Bioassay  
 NEB Lot#: Pp15(3-25) 1505  
 Age: 14 (1-14)Days  
 Test Solution Volume: 700 ml  
 # Organisms/Test Chamber: 10  
 # Organisms/Concentration: 50  
 # Organisms/Control: 30  
 START DATE: 4/8/15 AT 1010  
 END DATE: 4/10/15 AT 0925

TEST SET UP CONDUCTIVITIES					
<i>D.p</i> Control	<u>173</u>	µmhos/cm	<i>P.p</i> Control	<u>173</u>	µmhos/cm
100%	<u>802</u>	µmhos/cm	100%	<u>802</u>	µmhos/cm

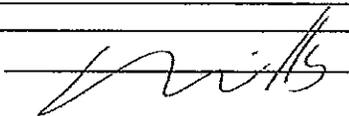
**RESULTS OF *Daphnia pulex* Screening Test**

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

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

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

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

REVIEWED BY: 

DATE: 4/22/15

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

Facility Name:	Borough of Naugatuck WPCF	NPDES ID:	CT0100641 DSN-001-1
Receiving Water:	Naugatuck River	Waterbody ID:	6900
Sample Collection Date (s):	4/6/15 To 4/7/15		
Sample Collection Time (s):	1:49 am to 1:22 pm		

**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 DEEP.

**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: April 28, 2015

**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 Freshwater (SRCF)</u>	Hardness:	<u>50 ± 5</u>
Sample Collected On:	<u>4/6/15</u> (date)	Sample Received On:	<u>4/8/15</u> (date)
Test Species:	<u>Daphnia pulex</u>	Source:	<u>New England Bioassay</u>
Test Duration:	<u>48 hours</u>	Age:	<u>&lt;24 hours</u>
		Beginning:	<u>1025</u>
		Ending:	<u>1010</u>
		On:	<u>4/8/15</u> (date)
		On:	<u>4/10/15</u> (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)		
	Tech Initials	MG	MV	KO	MG	MV	KO	MG	MV	KO	MG	MV
Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	9.8	8.2	8.3	20	19	19	6.4	7.0	7.2
100% B	10	10	10			8.3			19			7.2
100% C	10	10	10			8.2			19			7.3
100% D	10	10	10			8.4			19			7.2
100% E	10	10	10			8.3			19			7.1
Control 1	10	10	10	8.5	8.6	8.6	20	19	20	7.1	7.3	7.4
Control 2	10	10	10			8.4			20			7.4
Control 3	10	10	10			8.4			20			7.3
<b>MEAN SAMPLE SURVIVAL (%)</b>							<b>CONTROL SURVIVAL (%)</b>			<b># 1</b>	<b># 2</b>	<b># 3</b>
[(A+B+C+D+E) / 5 X 10 =							100			100	100	100

REFERENCE TOXICANT RESULTS				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50
<i>Daphnia pulex</i>	4/9/15	Copper Nitrate Lot #15-0128-004	NEB	2.15 µg/L

**COMMENTS**

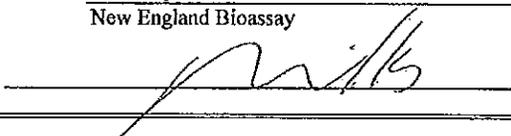
Note: At test initiation (0 h) and 24 h, dissolved oxygen, temperature, and pH were measured in separate chemistry replicates (without daphnids); at test completion (or when complete mortality occurred within a replicate) dissolved oxygen, temperature, and pH were measured directly from replicates with 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: 4/22/15

**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 Freshwater (SRCF)</u>	Hardness:	<u>50 ± 5</u>
Sample Collected On:	<u>4/6/15</u> (date)	Sample Received On:	<u>4/8/15</u> (date)
Test Species:	<u>Pimephales promelas</u>	Source:	<u>New England Bioassay</u>
Test Duration:	<u>48 hours</u>	Age:	<u>14</u> (days)
		Beginning:	<u>1010</u>
		On:	<u>4/8/15</u> (date)
		Ending:	<u>0925</u>
		On:	<u>4/10/15</u> (date)

Effluent Dilution (%)	Number of Organisms Surviving			Dissolved Oxygen (mg/L)			Temperature (°C)			pH (SU)		
	MG	MV	KO	MG	MV	KO	MG	MV	KO	MG	MV	KO
Tech Initials												
Hour	00	24	48	00	24	48	00	24	48	00	24	48
100% A	10	10	10	9.8	7.8	7.4	20	19	19	6.4	6.9	6.7
100% B	10	10	10		7.8	7.6		19	19		6.9	6.7
100% C	10	10	10		7.8	7.7		19	19		6.9	6.7
100% D	10	10	10		7.9	7.8		19	19		6.9	6.7
100% E	10	10	10		7.8	7.7		19	19		6.9	6.7
Control 1	10	10	10	8.5	8.0	7.4	20	19	19	7.1	7.3	7.3
Control 2	10	10	10		7.7	7.2		19	19		7.3	7.2
Control 3	10	10	10		7.7	7.2		19	19		7.3	7.2
MEAN SAMPLE SURVIVAL (%)							CONTROL SURVIVAL (%)			#1	#2	#3
[(A+B+C+D+E) / 5 X 10 =							100			100	100	100

REFERENCE TOXICANT RESULTS				
SPECIES	DATE	REFERENCE TOXICANT	SOURCE	LC50
<i>Pimephales promelas</i>	4/1/15	Copper Nitrate Lot #15-0128-003	NEB	144.73 µg/L

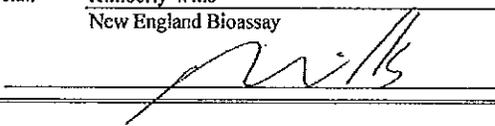
**COMMENTS**

**STATEMENT OF ACKNOWLEDGEMENT**

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

Laboratory Official: Kimberly Wills  
New England Bioassay

Title: Laboratory Manager

Signature: 

Date: 4/22/15

**SUPPLEMENTAL CHEMISTRY (PART 2S)**

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>4/6/15 To 4/7/15</u>	
Sample Collection Time(s):	<u>12:49pm to 1:22 pm</u>	

**Effluent Sample At Arrival**

Parameter	Effluent Sample		
	Tech Initials	MV	
	Date & Time	4/8/15	@ 0805
Temperature (° C)	4.9		
pH (standard units)	6.7		
Alkalinity (mg/L)	20		
Conductivity (µS)	803		
Hardness(mg/L)/Salinity (ppt)	106	/	<1
Color	light yellow		
TRC (mg/L)	0.022		

**100% Test Sample**

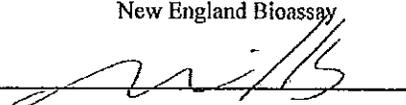
Parameter	Hours	<i>Daphnia pulex</i>		<i>Pimephales promelas</i>	
		Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		MV	MG	MV	MG
Conductivity (µS)		802	806	802	801
Alkalinity (mg/L)		20	25	20	25
Hardness (mg/L)/Salinity (ppt)		106 / <1	106 / <1	106 / <1	104 / <1
TRC (mg/L)		0.022	0.020	0.022	<0.02

**0% Test Sample (Control)**

Parameter	Hours	<i>Daphnia pulex</i>		<i>Pimephales promelas</i>	
		Initial (00)	Final (48)	Initial (00)	Final (48)
Tech Initials		MV	MG	MV	MG
Conductivity (µS)		173	176	173	191
Alkalinity (mg/L)		35	30	35	30
Hardness (mg/L)/Salinity (ppt)		46 / <1	46 / <1	46 / <1	48 / <1
TRC (mg/L)		<0.02	<0.02	<0.02	<0.02

Laboratory Name/Official: Kimberly Wills  
New England Bioassay

Title: Laboratory Manager

Signature: 

Date: 4/22/15



92799

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

NPDES Permit: CT0100641 Exp: 8/7/06 Elected  
 Facility: Naugatuck WPCF Contact: James McEachern, John Batorski Phone#: (203) 723-1433  
 Address: 500 Cherry Street Town: Naugatuck Zip: 06770 Phone#:   
 Phone#:   
 Zip: 06770

STATEMENT OF ACKNOWLEDGEMENT

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

Authorized Official: John Batorski Title: Plant Manager  
 Signature: John Batorski Date: 4/28/15

Sample Date: 4-6-15 Sample Days Flow: 7.12 REPEAT MONTH: JAN APR JUL OCT (Circle one)

FREQUENCY	MON/LOC	UNITS	PARAMETER	MINIMUM LEVEL	RESULT
Each Test	001 T	mg/L	BOD, 5 DAY		<4.0
Each Test	001 T	mg/L	SUSPENDED SOLIDS, TOTAL		<5.0
Each Test	001 T	mg/L	AMMONIA, Total		<0.05
Each Test	001 T	mg/L	NITRITE, as N		<0.01
Each Test	001 T	mg/L	NITRATE, as N		3.06
Each Test	001 T	mg/L	CYANIDE, Total		<0.01
Each Test	001 T	mg/L	CYANIDE, Amenable		<0.01
Each Test	001 T	mg/L	BERYLLIUM, Total	0.001 mg/L	<0.001
Each Test	001 T	mg/L	ARSENIC, Total	0.005 mg/L	<0.004
Each Test	001 T	mg/L	CADMIUM, Total	0.0005 mg/L	<0.0001
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	0.057
Each Test	001 T	mg/L	LEAD, Total	0.005 mg/L	<0.001
Each Test	001 T	mg/L	THALLIUM, Total	0.005 mg/L	<0.001
Each Test	001 T	mg/L	NICKEL, Total		0.008
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	0.087
Each Test	001 T	mg/L	ANTIMONY, Total		<0.005
Each Test	001 T	mg/L	SELENIUM, Total	0.005 mg/L	0.004
Each Test	001 T	mg/L	PHENOLS		<0.015
Each Test	001 T	mg/L	MERCURY, Total	0.0002 mg/L	<0.0002

Testing Laboratory:

Prentix Environmental

Signature:

*[Handwritten Signature]*

Date:

4-23-2015

FOR OFFICIAL USE ONLY:

AQUATIC TOXICITY: *Daphnia pulex*

TGA3D

AQUATIC TOXICITY: *Pimephales promelas*

TGA6C



Sent via certified mail on April 27, 2015: Receipt # 7009 2820 0004 1018 1016

April 27, 2015

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

Subject: First Quarter 2015 COMS Summary Report

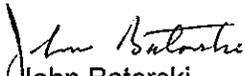
Dear Sir/Madam:

Enclosed please find enclosed a copy of the *Continuous Opacity Monitoring Summary Report* for the first quarter of 2015. All data is within acceptable ranges.

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



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: January 1, 2015	To: March 31, 2015	
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

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

Preparer : CK Environmental

*(Handwritten Signature)*

Date: April 24, 2015

Plant Signature: *(Handwritten Signature)*

Print (or type) John Batorski

Name and Title: Plant Manager

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	1920.58 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	March 24, 2015
MONITOR DATA AVAILABILITY			
Monitoring equipment malfunctions	3.33		
Non-monitoring equipment malfunctions			
Calibrations	4.12		
Other known causes <sup>1</sup>	3.83		
Unknown causes			
Total COM downtime	11.28 Hours		
Data Availability (calculated)	99.41%		

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

where:

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

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

**PART 4 SECTION 4 COMS EMISSION SUMMARY REPORT**

Facility Name: Borough of Naugatuck POTW

**UNIT INFORMATION**

Unit Number or ID	EMU 52	Unit Operating Hours (a)	1920.58
<b>QUESTION 1</b> Did the period of exception from the visible emissions standards of 22a-174-18(b)(2) exceed 0.5% of the total operating hours during the calendar quarter?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>QUESTION 2</b> Were there any visible emissions in excess of 60% opacity (six-minute block average) during the calendar quarter?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>QUESTION 3</b> Were there any periods of visible emissions in excess of the visible emission standards of 22a-174-18(b)(2) not listed in the excepted activities in 22a-174-18(j)?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

**OPACITY EXCESS EMISSIONS SUMMARY**

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

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

Opacity Monitoring Reports

COMPANY: VEOLIA WATER NORTH AMERICA  
 LOCATION: Naugatuck, CT  
 SOURCE: FB Incinerator  
 CEMS ID: 1234567  
 DATE CREATED: 04/08/2015 @ 07:17  
 PERIOD: 01/01/2015 - 03/31/2015

INCIDENT: INVALID OPACITY (%)

DATE	START TIME	END TIME	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
01/01/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/02/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/02/2015	09:11	09:34	24	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/03/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/04/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/04/2015	18:55	23:59	305	13	PROCESS DOWN	N/A
01/05/2015	00:00	11:17	678	13	PROCESS DOWN	N/A
01/06/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/07/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/08/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/09/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/10/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/11/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/12/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/13/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/13/2015	09:19	11:05	107	13	PROCESS DOWN	N/A
01/14/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/15/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/16/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/16/2015	08:50	08:53	4	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/17/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/18/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/19/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/20/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/21/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/22/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/23/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/24/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/25/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/26/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/27/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/28/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/29/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/30/2015	05:55	05:57	3	14	RECALIBRATION	N/A
01/30/2015	07:59	08:22	24	13	PROCESS DOWN	N/A
01/30/2015	09:18	10:19	62	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
01/31/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/01/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/02/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/03/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/04/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/05/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/06/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/07/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/08/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/09/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/10/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/10/2015	06:32	06:42	11	13	PROCESS DOWN	N/A
02/11/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/12/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/12/2015	10:52	11:11	20	13	PROCESS DOWN	N/A

DATE	START TIME	END TIME	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
02/13/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/13/2015	06:42	09:33	172	13	PROCESS DOWN	N/A
02/13/2015	09:34	09:38	5	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
02/13/2015	09:39	13:11	213	13	PROCESS DOWN	N/A
02/14/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/15/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/16/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/17/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/18/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/18/2015	07:21	07:32	12	13	PROCESS DOWN	N/A
02/19/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/20/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/20/2015	16:18	16:32	15	13	PROCESS DOWN	N/A
02/21/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/21/2015	08:18	14:02	345	13	PROCESS DOWN	N/A
02/21/2015	14:18	15:02	45	13	PROCESS DOWN	N/A
02/21/2015	15:48	16:02	15	13	PROCESS DOWN	N/A
02/21/2015	16:18	16:32	15	13	PROCESS DOWN	N/A
02/22/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/23/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/23/2015	08:03	09:17	75	13	PROCESS DOWN	N/A
02/24/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/25/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/25/2015	07:33	12:32	300	13	PROCESS DOWN	N/A
02/26/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/27/2015	05:55	05:57	3	14	RECALIBRATION	N/A
02/27/2015	08:47	08:50	4	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
02/28/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/01/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/02/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/03/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/04/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/05/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/05/2015	11:02	17:19	378	13	PROCESS DOWN	N/A
03/06/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/06/2015	06:57	07:17	21	13	PROCESS DOWN	N/A
03/06/2015	08:33	23:59	927	13	PROCESS DOWN	N/A
03/07/2015	00:00	23:59	1440	13	PROCESS DOWN	N/A
03/08/2015	00:00	23:59	1440	13	PROCESS DOWN	N/A
03/09/2015	00:00	07:46	467	13	PROCESS DOWN	N/A
03/09/2015	07:47	07:48	2	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA
03/09/2015	07:49	23:59	971	13	PROCESS DOWN	N/A
03/10/2015	00:00	12:29	750	13	PROCESS DOWN	N/A
03/10/2015	12:30	13:55	86	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA
03/10/2015	13:56	14:20	25	13	PROCESS DOWN	N/A
03/10/2015	14:21	14:23	3	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA
03/10/2015	14:24	23:59	576	13	PROCESS DOWN	N/A
03/11/2015	00:00	23:59	1440	13	PROCESS DOWN	N/A
03/12/2015	00:00	23:59	1440	13	PROCESS DOWN	N/A
03/13/2015	00:00	07:44	465	13	PROCESS DOWN	N/A
03/13/2015	07:45	07:48	4	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/13/2015	07:49	23:59	971	13	PROCESS DOWN	N/A
03/14/2015	00:00	06:20	381	13	PROCESS DOWN	N/A
03/14/2015	08:30	09:06	37	13	PROCESS DOWN	N/A
03/15/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/16/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/17/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/18/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/18/2015	06:33	06:43	11	13	PROCESS DOWN	N/A
03/18/2015	06:44	07:12	29	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA

DATE	START TIME	END TIME	DURATION	CODE	EXPLANATION	CORRECTIVE ACTION
03/18/2015	07:13	07:15	3	13	PROCESS DOWN	N/A
03/18/2015	07:16	08:04	49	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA
03/18/2015	08:05	09:08	64	13	PROCESS DOWN	N/A
03/19/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/20/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/20/2015	06:31	06:56	26	13	PROCESS DOWN	N/A
03/21/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/21/2015	08:43	09:13	31	18	DATA HANDLING SYSTEM MALFUNCTION	ROUTINE MAINTENANCE PERFORMED ON DA
03/22/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/23/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/24/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/25/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/25/2015	08:11	09:38	88	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/25/2015	09:39	09:42	4	14	RECALIBRATION	N/A
03/26/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/27/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/27/2015	09:26	10:04	39	20	CORRECTIVE MAINTENANCE	ROUTINE MAINTENANCE PERFORMED ON CE
03/28/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/29/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/30/2015	05:55	05:57	3	14	RECALIBRATION	N/A
03/31/2015	05:55	05:57	3	14	RECALIBRATION	N/A

INCIDENT SUMMARY: INVALID OPACITY (%)

CODE	HOURS	PERCENT	EXPLANATION
13	236.42	95.44	PROCESS DOWN
14	4.12	1.66	RECALIBRATION
18	3.33	1.35	DATA HANDLING SYSTEM MALFUNCTION
20	3.83	1.55	CORRECTIVE MAINTENANCE

3 11.28

TOTAL HOURS: 247.70

$$\begin{array}{r}
 90 \text{ days in Q1 2015} = 2,160 \\
 - 236.42 \text{ (down)} \\
 \hline
 1,923.58
 \end{array}$$

$$\frac{1,923.58 - 11.28}{1,923.58} \times 100 = 99.41\%$$

CO @7% AVAILABILITY AND VALIDITY

COMPANY: VEOLIA WATER NORTH AMERICA  
 LOCATION: Naugatuck, CT  
 SOURCE: FB Incinerator  
 CEMS ID: 1234567  
 DATE CREATED: 04/08/2015 @ 07:15  
 PERIOD: 01/01/2015 - 03/31/2015

DATE	SOURCE ON (HRS)	CO @7% (ppmvd)	DAS DOWN (HRS)
01/01/2015	24.00	37.0	0.00
01/02/2015	24.00	36.8	0.00
01/03/2015	24.00	40.2	0.00
01/04/2015	18.92	40.1	0.00
01/05/2015	12.70	41.5	0.00
01/06/2015	24.00	32.1	0.00
01/07/2015	24.00	41.4	0.00
01/08/2015	24.00	44.9	0.00
01/09/2015	24.00	22.9	0.00
01/10/2015	24.00	39.2	0.00
01/11/2015	24.00	44.6	0.00
01/12/2015	24.00	24.9	0.00
01/13/2015	22.22	33.3	0.00
01/14/2015	24.00	31.3	0.00
01/15/2015	24.00	23.0	0.00
01/16/2015	24.00	27.8	0.00
01/17/2015	24.00	41.0	0.00
01/18/2015	24.00	41.9	0.00
01/19/2015	24.00	32.5	0.00
01/20/2015	24.00	28.5	0.00
01/21/2015	24.00	26.4	0.00
01/22/2015	24.00	37.1	0.00
01/23/2015	24.00	45.1	0.00
01/24/2015	24.00	44.0	0.00
01/25/2015	24.00	47.8	0.00
01/26/2015	24.00	38.0	0.00
01/27/2015	24.00	42.5	0.00
01/28/2015	24.00	40.5	0.00
01/29/2015	24.00	39.6	0.00
01/30/2015	23.60	30.4	0.00
01/31/2015	24.00	27.2	0.00
02/01/2015	24.00	22.5	0.00
02/02/2015	24.00	34.5	0.00
02/03/2015	24.00	36.7	0.00
02/04/2015	24.00	44.5	0.00
02/05/2015	24.00	37.8	0.00
02/06/2015	24.00	18.7	0.00
02/07/2015	24.00	10.7	0.00
02/08/2015	24.00	13.1	0.00
02/09/2015	24.00	19.5	0.00

DATE	SOURCE ON (HRS)	CO @7% (ppmvd)	DAS DOWN (HRS)
02/10/2015	23.82	11.3	0.00
02/11/2015	24.00	37.6	0.00
02/12/2015	23.67	69.0	0.00
02/13/2015	17.50	64.2	0.00
02/14/2015	24.00	57.6	0.00
02/15/2015	24.00	70.6	0.00
02/16/2015	24.00	53.3	0.00
02/17/2015	24.00	40.3	0.00
02/18/2015	23.80	61.2	0.00
02/19/2015	24.00	66.2	0.00
02/20/2015	23.75	75.5	0.00
02/21/2015	17.00	69.5	0.00
02/22/2015	24.00	77.1	0.00
02/23/2015	22.75	66.3	0.00
02/24/2015	24.00	73.4	0.00
02/25/2015	19.00	43.9	0.00
02/26/2015	24.00	36.9	0.00
02/27/2015	24.00	38.4	0.00
02/28/2015	24.00	44.4	0.00
03/01/2015	24.00	38.8	0.00
03/02/2015	24.00	22.6	0.00
03/03/2015	24.00	36.4	0.00
03/04/2015	24.00	37.3	0.00
03/05/2015	17.70	3.8	0.00
03/06/2015	8.20	7.7	0.00
03/07/2015	0.00	OFF	0.00
03/08/2015	0.00	OFF	0.00
03/09/2015	0.00	OFF	0.03
03/10/2015	0.00	OFF	1.48
03/11/2015	0.00	OFF	0.00
03/12/2015	0.00	OFF	0.00
03/13/2015	0.00	OFF	0.00
03/14/2015	17.03	13.7	0.00
03/15/2015	24.00	2.0	0.00
03/16/2015	24.00	7.7	0.00
03/17/2015	24.00	4.5	0.00
03/18/2015	21.40	12.8	1.30
03/19/2015	24.00	4.1	0.00
03/20/2015	23.57	19.5	0.00
03/21/2015	23.97	19.5	0.52
03/22/2015	24.00	5.6	0.00
03/23/2015	24.00	6.3	0.00
03/24/2015	24.00	11.0	0.00
03/25/2015	24.00	23.5	0.00
03/26/2015	24.00	14.0	0.00
03/27/2015	24.00	15.3	0.00
03/28/2015	24.00	31.0	0.00
03/29/2015	24.00	30.6	0.00
03/30/2015	24.00	33.5	0.00

DATE	SOURCE ON (HRS)	CO @7% (ppmvd)	DAS DOWN (HRS)
03/31/2015	24.00	8.2	0.00

	SOURCE ON (HRS)	CO @7% (ppmvd)	DAS DOWN (HRS)
AVERAGE		34.1	
TOTAL	1920.58		3.33
AVAILABILITY		98.94	

Continuous Opacity Monitoring Reports

COMPANY: VEDLIA WATER NORTH AMERICA  
 LOCATION: Naugatuck, CT  
 SOURCE: FB Inclinator  
 CEMS ID: 1234567  
 DATE CREATED: 04/08/2015 @ 07:14  
 PERIOD: 01/01/2015 - 03/31/2015

INCIDENT: HI 1-HR OPACITY (%)

DATE	START TIME	END TIME	DURATION	AVERAGE VALUE	HI/LOW VALUE	SETPOINT	DIFFERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
01/01/2015	NO	INCIDENT	OCCURRED							
01/02/2015	NO	INCIDENT	OCCURRED							
01/03/2015	NO	INCIDENT	OCCURRED							
01/04/2015	NO	INCIDENT	OCCURRED							
01/05/2015	NO	INCIDENT	OCCURRED							
01/06/2015	NO	INCIDENT	OCCURRED							
01/07/2015	NO	INCIDENT	OCCURRED							
01/08/2015	NO	INCIDENT	OCCURRED							
01/09/2015	NO	INCIDENT	OCCURRED							
01/10/2015	NO	INCIDENT	OCCURRED							
01/11/2015	NO	INCIDENT	OCCURRED							
01/12/2015	NO	INCIDENT	OCCURRED							
01/13/2015	NO	INCIDENT	OCCURRED							
01/14/2015	NO	INCIDENT	OCCURRED							
01/15/2015	NO	INCIDENT	OCCURRED							
01/16/2015	NO	INCIDENT	OCCURRED							
01/17/2015	NO	INCIDENT	OCCURRED							
01/18/2015	NO	INCIDENT	OCCURRED							
01/19/2015	NO	INCIDENT	OCCURRED							
01/20/2015	NO	INCIDENT	OCCURRED							
01/21/2015	NO	INCIDENT	OCCURRED							
01/22/2015	NO	INCIDENT	OCCURRED							
01/23/2015	NO	INCIDENT	OCCURRED							
01/24/2015	NO	INCIDENT	OCCURRED							
01/25/2015	NO	INCIDENT	OCCURRED							
01/26/2015	NO	INCIDENT	OCCURRED							
01/27/2015	NO	INCIDENT	OCCURRED							
01/28/2015	NO	INCIDENT	OCCURRED							
01/29/2015	NO	INCIDENT	OCCURRED							
01/30/2015	NO	INCIDENT	OCCURRED							
01/31/2015	NO	INCIDENT	OCCURRED							
02/01/2015	NO	INCIDENT	OCCURRED							
02/02/2015	NO	INCIDENT	OCCURRED							
02/03/2015	NO	INCIDENT	OCCURRED							
02/04/2015	NO	INCIDENT	OCCURRED							
02/05/2015	NO	INCIDENT	OCCURRED							
02/06/2015	NO	INCIDENT	OCCURRED							
02/07/2015	NO	INCIDENT	OCCURRED							
02/08/2015	NO	INCIDENT	OCCURRED							
02/09/2015	NO	INCIDENT	OCCURRED							
02/10/2015	NO	INCIDENT	OCCURRED							
02/11/2015	NO	INCIDENT	OCCURRED							
02/12/2015	NO	INCIDENT	OCCURRED							
02/13/2015	NO	INCIDENT	OCCURRED							
02/14/2015	NO	INCIDENT	OCCURRED							
02/15/2015	NO	INCIDENT	OCCURRED							
02/16/2015	NO	INCIDENT	OCCURRED							
02/17/2015	NO	INCIDENT	OCCURRED							
02/18/2015	NO	INCIDENT	OCCURRED							
02/19/2015	NO	INCIDENT	OCCURRED							

DATE	START TIME	END TIME	DURATION	AVERAGE VALUE	HI/LOW VALUE	SETPOINT	DIFFERENCE	CODE	EXPLANATION	CORRECTIVE ACTION
02/20/2015	NO	INCIDENT	OCCURRED							
02/21/2015	NO	INCIDENT	OCCURRED							
02/22/2015	NO	INCIDENT	OCCURRED							
02/23/2015	NO	INCIDENT	OCCURRED							
02/24/2015	NO	INCIDENT	OCCURRED							
02/25/2015	NO	INCIDENT	OCCURRED							
02/26/2015	NO	INCIDENT	OCCURRED							
02/27/2015	NO	INCIDENT	OCCURRED							
02/28/2015	NO	INCIDENT	OCCURRED							
03/01/2015	NO	INCIDENT	OCCURRED							
03/02/2015	NO	INCIDENT	OCCURRED							
03/03/2015	NO	INCIDENT	OCCURRED							
03/04/2015	NO	INCIDENT	OCCURRED							
03/05/2015	NO	INCIDENT	OCCURRED							
03/06/2015	NO	INCIDENT	OCCURRED							
03/07/2015	NO	INCIDENT	OCCURRED							
03/08/2015	NO	INCIDENT	OCCURRED							
03/09/2015	NO	INCIDENT	OCCURRED							
03/10/2015	NO	INCIDENT	OCCURRED							
03/11/2015	NO	INCIDENT	OCCURRED							
03/12/2015	NO	INCIDENT	OCCURRED							
03/13/2015	NO	INCIDENT	OCCURRED							
03/14/2015	NO	INCIDENT	OCCURRED							
03/15/2015	NO	INCIDENT	OCCURRED							
03/16/2015	NO	INCIDENT	OCCURRED							
03/17/2015	NO	INCIDENT	OCCURRED							
03/18/2015	NO	INCIDENT	OCCURRED							
03/19/2015	NO	INCIDENT	OCCURRED							
03/20/2015	NO	INCIDENT	OCCURRED							
03/21/2015	NO	INCIDENT	OCCURRED							
03/22/2015	NO	INCIDENT	OCCURRED							
03/23/2015	NO	INCIDENT	OCCURRED							
03/24/2015	NO	INCIDENT	OCCURRED							
03/25/2015	NO	INCIDENT	OCCURRED							
03/26/2015	NO	INCIDENT	OCCURRED							
03/27/2015	NO	INCIDENT	OCCURRED							
03/28/2015	NO	INCIDENT	OCCURRED							
03/29/2015	NO	INCIDENT	OCCURRED							
03/30/2015	NO	INCIDENT	OCCURRED							
03/31/2015	NO	INCIDENT	OCCURRED							

OPACITY AVAILABILITY AND VALIDITY

COMPANY: VEOLIA WATER NORTH AMERICA  
 LOCATION: Naugatuck, CT  
 SOURCE: FB Incinerator  
 CEMS ID: 1234567  
 DATE CREATED: 04/08/2015 @ 07:18  
 PERIOD: 01/01/2015 - 03/31/2015

DATE	SOURCE ON (HRS)	OPACITY (%)	DAS DOWN (HRS)
01/01/2015	24.00	0.43	0.00
01/02/2015	24.00	0.53	0.00
01/03/2015	24.00	0.28	0.00
01/04/2015	18.92	0.14	0.00
01/05/2015	12.70	0.73	0.00
01/06/2015	24.00	0.09	0.00
01/07/2015	24.00	0.46	0.00
01/08/2015	24.00	0.37	0.00
01/09/2015	24.00	0.32	0.00
01/10/2015	24.00	0.32	0.00
01/11/2015	24.00	0.34	0.00
01/12/2015	24.00	0.27	0.00
01/13/2015	22.22	0.63	0.00
01/14/2015	24.00	0.37	0.00
01/15/2015	24.00	0.16	0.00
01/16/2015	24.00	0.46	0.00
01/17/2015	24.00	0.40	0.00
01/18/2015	24.00	0.04	0.00
01/19/2015	24.00	0.16	0.00
01/20/2015	24.00	0.31	0.00
01/21/2015	24.00	0.33	0.00
01/22/2015	24.00	0.68	0.00
01/23/2015	24.00	0.64	0.00
01/24/2015	24.00	0.40	0.00
01/25/2015	24.00	0.29	0.00
01/26/2015	24.00	0.42	0.00
01/27/2015	24.00	0.40	0.00
01/28/2015	24.00	0.33	0.00
01/29/2015	24.00	0.31	0.00
01/30/2015	23.60	0.45	0.00
01/31/2015	24.00	0.59	0.00
02/01/2015	24.00	0.24	0.00
02/02/2015	24.00	0.29	0.00
02/03/2015	24.00	0.11	0.00
02/04/2015	24.00	0.11	0.00
02/05/2015	24.00	0.27	0.00
02/06/2015	24.00	0.18	0.00
02/07/2015	24.00	0.05	0.00
02/08/2015	24.00	0.15	0.00
02/09/2015	24.00	0.29	0.00

DATE	SOURCE ON (HRS)	OPACITY (%)	DAS DOWN (HRS)
02/10/2015	23.82	0.24	0.00
02/11/2015	24.00	0.33	0.00
02/12/2015	23.67	0.27	0.00
02/13/2015	17.50	0.39	0.00
02/14/2015	24.00	0.10	0.00
02/15/2015	24.00	0.52	0.00
02/16/2015	24.00	0.45	0.00
02/17/2015	24.00	0.34	0.00
02/18/2015	23.80	0.21	0.00
02/19/2015	24.00	0.47	0.00
02/20/2015	23.75	0.67	0.00
02/21/2015	17.00	0.50	0.00
02/22/2015	24.00	0.25	0.00
02/23/2015	22.75	0.50	0.00
02/24/2015	24.00	0.33	0.00
02/25/2015	19.00	0.49	0.00
02/26/2015	24.00	0.78	0.00
02/27/2015	24.00	0.68	0.00
02/28/2015	24.00	0.63	0.00
03/01/2015	24.00	0.35	0.00
03/02/2015	24.00	0.64	0.00
03/03/2015	24.00	0.63	0.00
03/04/2015	24.00	0.22	0.00
03/05/2015	17.70	0.29	0.00
03/06/2015	8.20	0.34	0.00
03/07/2015	0.00	OFF	0.00
03/08/2015	0.00	OFF	0.00
03/09/2015	0.00	0.40	0.03
03/10/2015	0.00	0.40	1.48
03/11/2015	0.00	OFF	0.00
03/12/2015	0.00	OFF	0.00
03/13/2015	0.00	OFF	0.00
03/14/2015	17.03	0.31	0.00
03/15/2015	24.00	0.64	0.00
03/16/2015	24.00	0.74	0.00
03/17/2015	24.00	0.60	0.00
03/18/2015	21.40	0.96	1.30
03/19/2015	24.00	0.80	0.00
03/20/2015	23.57	0.59	0.00
03/21/2015	23.97	0.51	0.52
03/22/2015	24.00	0.75	0.00
03/23/2015	24.00	0.98	0.00
03/24/2015	24.00	0.96	0.00
03/25/2015	24.00	0.58	0.00
03/26/2015	24.00	0.31	0.00
03/27/2015	24.00	0.24	0.00
03/28/2015	24.00	0.32	0.00
03/29/2015	24.00	0.39	0.00
03/30/2015	24.00	0.41	0.00

DATE	SOURCE ON (HRS)	OPACITY (%)	DAS DOWN (HRS)
03/31/2015	24.00	0.20	0.00

	SOURCE ON (HRS)	OPACITY (%)	DAS DOWN (HRS)
TOTAL	1920.58		3.33
AVAILABILITY		99.22	



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

EMU # or Unit ID	Term 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					
52	III.E.21	3/09	3/09	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	3/10	3/10	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	3/10	3/10	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	3/18	3/18	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	3/18	3/18	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21	3/21	3/21	Data Handling System Malfunction	Routine maintenance performed on DAS	PLC has seven day backup capabilities so no information is lost
52	III.E.21					
52	III.E.21					
52	III.E.21					
52	III.E.21					
52	III.E.21					
52	III.E.21					
52	III.E.21					

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To Water Pollution Control Authorities, Superintendents

The General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments is for renewal. This permit was issued 10 years ago to for class III and class IV food service facilities or any other facility discharging Fats, Oils, and Grease (FOG) (designated by the Connecticut Public Health code) into the sewer system to install and maintain grease trap/interceptors designed to protect the public collection system from blockages and bypass events that can damage the collection system or endanger public health.

Attached to this email is the draft permit renewal and fact sheet related to the draft permit. Please review the draft permit and if you have any comments you can send them to Iliana Raffa at Iliana.Raffa@ct.gov

An informational meeting of the draft permit renewal has been scheduled on Thursday May 14, 2015 at 10:00 am at the Department of Energy and Environmental Protection (DEEP) at 79 Elm St, Hartford CT.

Let me know if you have any questions at (860)424-3758

Please forward this information to the staff in charge of the Fats, Oil and Grease program in your City or Town or any other person that is involve with the permit.

Thank you,

Iliana Raffa

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**2 attachments**

 **FOG GP Renewal Fact Sheet djg.pdf**  
258K

 **General Permit for the Discharge of Wastewater (After Comments).pdf**  
392K

## Fact Sheet

### Draft General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments (Renewal)

#### Why Fats, Oil and Grease (FOG)?

Grease from restaurants, homes, and industrial sources is the most common cause (47%) of reported blockages and sanitary sewer overflows (SSO). Grease is problematic because it solidifies and cause blockages in the sewer collection system. Raw sewage overflows result in public health risks and negative impacts to waterways.

#### What is the “General Permit for the Discharge of Wastewater Associated with Food Preparation Establishment” (also referred to as the FOG General Permit)?

This General Permit, issued in September 2005, requires certain dischargers to municipal sewer systems to limit the amount of FOG that they discharge by installing either passive or active FOG treatment systems. The current FOG general permit can be found online at

<http://www.ct.gov/dep>.

The general permit will expire in September 2015. A draft of the proposed general permit renewal is online at

<http://www.ct.gov/dep/lib/deep/water>.

#### Renewal of the General Permit

- The changes in the draft general permit don't expand the coverage of the permit.
- The changes provide increased clarity in the permit.
- The changes in the permit provide flexibility on equipment requirements.

#### New and Revised Definitions:

- Some definitions have been modified, and some new terms added, to provide enhanced clarity in regards to responsibilities of the municipalities and Food Preparation Establishments (FPE).

“**Authorized Agent**” means a representative of the water pollution control authority or the authorized representative of the municipality.

“**Contact Person**” means the individual on site responsible for overseeing daily operation of the food preparation establishment (FPE) compliance with the permit.

“**Food Preparation Establishment**” means a Class III and IV FPE as defined by the Public Health Code or any other facility discharging FOG above the effluent limits of this general permit such, as, but not limited, to, restaurants, school kitchens, bars, factory cafeterias or any other food service establishment that has the potential to generate FOG in the sewer collection system at concentrations in excess of the effluent limits of the permit.

“**Automatic Grease recovery unit**” means indoor units, automatic or manual, designed to separate fats, oils and grease from flowing wastewater. The unit must be designed to meet the effluent limits requirements defined in Section (c)(1) and (2) of this general permit. The definition has been modified to expand the use of other equipment other than

the skimming device. However, the equipment has meet the effluent limits of the permit.

**“Grease trap/FOG interceptor”** means a passive tank installed outside a building and designed to remove FOG from flowing wastewater while allowing wastewater to flow through it. The word FOG was included to clarify that the interceptor relates to FOG and not to a septic system.

**“FOG Management equipment”** The permittee must demonstrate that the proposed FOG management equipment will no discharge FOG concentrations that exceed the discharge general permit limit. Only after receiving written approval by the authorized agent will the permittee be authorized to install the unit.

#### Clarifications and Enhancements:

- The proposed modifications to the general permit provide clarification related to FOG management equipment maintenance, storage of FOG and hauling requirements.
- The **contact person** is a person, designated by and representing the permittee, who is responsible for inspecting all FOG management equipment on the permittee’s premises on a monthly basis, or more frequently if required by local ordinance.
- The **authorized agent** has the authority to require increased maintenance and cleaning if the facility is within an area where FOG has been a recurring problem in the sewerage system.
- The permittee is responsible for properly handling the storage of FOG, and is responsible for hiring a FOG cleaner and hauler that will comply with the handling and disposal requirements of the permit.

- All FOG containers shall be clearly labelled.
- The contents of all grease trap/FOG interceptors, Grease Recovery Units and other FOG management equipment shall be properly recycled or disposed. A range of options for proper recycling or disposal, both within and outside Connecticut, are identified.

The draft general permit is online for review at

<http://www.ct.gov/dep/lib/deep/water>.

If you have any comments or questions, please call:

Iliana Raffa  
(860) 424-3758

or by email at  
[Iliana.Raffa@ct.gov](mailto:Iliana.Raffa@ct.gov)



# **General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments**

Issuance Date: XXXXXXXXX

Expiration Date: XXXXXXXXXXXX

Bureau of Water Protection and Land Reuse  
Water Planning and Standards Division  
860-424-3704

# General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments

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# General Permit for the Discharge of Wastewater Associated with Food Preparation Establishments

## Section 1. Authority

This general permit is issued under the authority of section 22a-430b of the General Statutes.

## Section 2. Definitions

As used in this general permit, the following definitions shall apply:

*“Authorized activity”* means any activity authorized by this general permit.

*“Authorized agent”* means the authorized representative of the water pollution control authority or the authorized representative of the municipality.

*“Authorized discharge”* means a discharge authorized under this general permit.

*“Best management practice”* or *“BMP”* means a practice, procedure, structure or facility designed to prevent or minimize environmental damage, or to maintain or enhance environmental quality. BMPs include without limitation, treatment requirements, operating procedures, practices to control spillage or leaks, sludge or waste disposal, or providing for drainage from raw material storage.

*“Change in ownership”* means a change in warranty deed or lease agreement.

*“Commissioner”* means commissioner as defined by section 22a-2(b) of the General Statutes.

*“CT DEEP”* means the Connecticut Department of Energy and Environmental Protection.

*“Department”* means the Department of Energy and Environmental Protection.

*“Facility”* means any food preparation establishment at which an authorized discharge originates.

*“Fats, oils and grease”* or *“FOG”* means any fats, oils and grease generated from the food preparation process.

*“FOG containers”* means closed, leak-proof containers for the collection and storage of renderable and non-renderable FOG.

*“Food preparation establishment”* means a Class III and IV food preparation establishment as defined by section 19-13-B42 of the State of Connecticut Public Health Code or any other facility discharging fats, oil, and grease above the effluent limits in Section 5(c)(1) and (2) of this general permit such as but not limited to restaurants, hotel kitchens, hospital kitchens, school kitchens, bars, factory cafeterias, retail bakeries and clubs and food

preparation establishments that are located in a problematic FOG area as defined in this permit.

*“FOG management equipment”* means properly installed and operated grease recovery unit, grease trap/FOG interceptor and other equipment as approved by the authorized agent, designed to meet the effluent limits defined in Section 5(c)(1) and (2) of this general permit.

*“FOG management equipment cleaner”* means any person regularly offering to the general public, services of cleaning or servicing of grease or FOG management equipment including the removal and hauling of fats, oils, grease from food preparation establishments.

*“General Statutes”* means the Connecticut General Statutes.

*Grease recovery unit* or *“GRU”* means indoor units, automatic or manual, designed to separate fats, oils and grease from flowing wastewater. The unit must be designed to meet the effluent limits defined in Section 5(c)(1) and (2) of this general permit.

*“Grease trap/FOG interceptor”* means an indoor or outdoor passive tank installed designed to separate fats, oils and grease from wastewater while allowing water to flow through it.

*“Individual permit”* means a permit issued to a named permittee under section 22a-430 of the General Statutes.

*“Maximum daily flow”* means the greatest volume of wastewater that is discharged during a 24 hour period.

*“Municipality”* means municipality as defined by section 22a-423 of the General Statutes.

*“Non-renderable”* means fats, oils and grease generated from the food preparation processes that have been contaminated with sewage, detergents or other constituents that make it unacceptable for rendering or recycling.

*“Notification of approved alternate FOG management equipment”* means written notification from an authorized agent for authorization to install and/or operate alternate FOG management equipment.

*“Permittee”* means a person who or municipality which is authorized by this general permit to initiate, create, originate or maintain a wastewater discharge containing fats, oils and grease at a food preparation establishment.

*“Person”* means person as defined by section 22a-423 of the General Statutes.

*“POTW”* means Publicly Owned Treatment Works.

*“POTW authority”* means the Superintendent or Chief Operator of the Publicly Owned Treatment Works. .

*“Problematic FOG area”* means an area of the sanitary sewer designated by the authorized agent. Such designation shall be by a formal action of the authorized agent and shall be based upon evidence of excessive fats, oils and grease including sanitary sewer overflows, excessive maintenance or any means of inspection. Upon notification by the authorized agent, any facility within the problem area designation shall comply with all conditions of this general permit within a reasonable time schedule established by the authorized agent.

*“Render”* means the process used to clarify or extract fats, oils and greases by melting.

*“Renderable FOG”* means uncontaminated fats, oils and grease from the food preparation process that can be used as a source of material that is free of impurities and can be recycled and composted into products such as animal feed, cosmetics, fuel, and biodiesel fuel.

*“Renderer”* means a person who collects and manages renderable FOG in compliance with relevant local, state and federal regulations.

*“Site”* means geographically contiguous land or water on which an authorized activity takes place or on which an activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person and connected by a right of-way which such person controls and to which the public does not have access shall be deemed the same site.

*“Wastewater associated with the facility”* means wastewater containing fats, oils and grease from a food preparation establishment.

*“Water Pollution Control Authority”* means a water pollution control authority established pursuant to Section 7-246 of the Connecticut General Statutes.

### **Section 3. Authorization under this General Permit**

#### **(a) Eligible Activities**

The following discharge of wastewater is authorized by this general permit, provided the requirements of Section 3(b) and the conditions of Section 5 of this general permit are satisfied:

Any wastewater discharge associated with a facility, as defined in this general permit, which discharges to a sanitary sewer line and then to a POTW or a privately owned or state owned sewage treatment works.

Any other discharge of water, substance or material into the waters of the State is not authorized by this general permit, and any person who or municipality which initiates, creates, originates or maintains such a discharge shall first apply for and obtain authorization under sections 22a-430 or 22a-430b of the General Statutes.

**(b) *Requirements for Authorization***

This general permit authorizes the discharge listed in Section 3(a) of this general permit provided:

**(1) Coastal Area Management**

Such discharge is consistent with all applicable goals and policies in section 22a-92 of the General Statutes, and will not cause adverse impacts to coastal resources as defined in section 22a-93 of the General Statutes.

**(2) Endangered and Threatened Species**

Such discharge does not threaten the continued existence of any species listed pursuant to section 26-306 of the General Statutes as endangered or threatened and will not result in the destruction or adverse modification of habitat designated as essential to such species.

**(3) Code of Federal Regulations**

Such discharge is not subject to any provision of Title 40, Parts 403 through 471 of the Code of Federal Regulations.

**(4) Aquifer Protection**

Such discharge, if it is located within an aquifer protection area as mapped under section 22a-354b of the General Statutes, complies with regulations adopted pursuant to section 22a-354i of the General Statutes.

**(5) Conservation and Preservation Restrictions**

Such discharge, if located on or may affect property subject to a conservation or preservation restriction, complies with section 47-42d of the Connecticut General Statutes, by providing the following to the Commissioner: proof of written notice to the holder of such restriction of the proposed activity's registration pursuant to this general permit or a letter from the holder of such restriction verifying that the proposed activity is in compliance with the terms of the restriction.

**(c) *Geographic Area***

This general permit applies throughout the State of Connecticut for all sites connected to sanitary sewers.

**(d) *Effective Date and Expiration Date of this General Permit***

This general permit is effective on the date it is issued by the Commissioner, and expires ten (10) years from such date of issuance.

**(e) *Effective Date of Authorization***

An activity is authorized by this general permit on the date the general permit becomes effective or on the date the activity commences, whichever is later.

(f) *Transition to and from an Individual Permit*

No person shall operate or conduct an activity authorized by both an individual permit and this general permit. The requirements for transitioning authorization are as follows:

- (1) *Transition from an Individual Permit to Authorization under this General Permit.*  
If an activity meets the requirements of authorization of this general permit and such operation or activity is presently authorized by an individual permit, the permittee may seek a modification to the permit to exclude such operation or activity from the individual permit or if the operation or activity is the sole operation or activity authorized by such permit, the permittee shall surrender its permit in writing to the Commissioner. In either event, such permittee's individual permit shall continue to apply and remain in effect until authorization of such operation or activity under this general permit takes effect.
- (2) *Transition from Authorization under this General Permit to an Individual Permit.*  
If an activity or operation is authorized under this general permit and the Commissioner subsequently issues an individual permit for the same activity, then on the date any such individual permit is issued by the Commissioner, the authorization issued under this general permit shall automatically expire.

Nothing in this section shall effect the Commissioner's authority under Section 7 of this general permit to require that a person authorized under this general permit obtain an individual permit.

#### **Section 4. Registration Requirements**

No registration is required with the Department for authorization under this general permit.

#### **Section 5. Conditions of this General Permit**

(a) *FOG Management Equipment Requirements*

- (1) The authorized agent shall approve the installation and design of FOG management equipment. The installation and design is subject to the requirements of all applicable local plumbing/building codes, state building, state plumbing codes, local ordinances and other laws of the municipality.
- (2) Every structure at the facility shall be constructed, operated and maintained in a manner to ensure that the discharge of FOG is directed solely to the FOG management equipment. No valve or piping bypass equipment that could prevent the discharge of FOG from entering the FOG management equipment shall be present.
- (3) The food preparation establishment shall notify the authorized agent when the FOG management equipment is ready for inspection and connection to the public sewer. The connection and testing shall be made under the supervision of the authorized agent.

- (4) The food preparation establishment shall notify the authorized agent if there are changes to the wastewater plumbing of that facility, and the contact person shall request a re-inspection by the authorized agent.

**(b) Treatment Requirements**

An authorized discharge shall meet the specifications in either Section 5(b)(1) or (2) of this general permit; however, the permittee may request the use of other units as established in Section 5(b)(3) of this general permit.

**(1) Outdoor In-Ground Grease Trap/Interceptor**

- (A) The grease trap/FOG interceptor shall be installed servicing kitchen flows and shall be connected to those fixtures or drains which would allow fats, oils, and grease to be discharged. This shall include:
  - (i) pot sinks;
  - (ii) pre-rinse sinks;
  - (iii) any sink into which fats, oils, or grease are likely to be introduced;
  - (iv) soup kettles or similar devices;
  - (v) wok stations;
  - (vi) floor drains or sinks into which kettles may be drained;
  - (vii) automatic hood wash units; and
  - (viii) any other fixtures or drains that are likely to allow fats, oils and grease to be discharged.
- (B) The grease trap/FOG interceptor shall have:
  - (i) A minimum depth of four (4) feet.
  - (ii) The grease trap/FOG interceptor shall have a retention time of at least twenty-four (24) hours at the maximum daily flow based on water meter records or other calculation methods as approved by the authorized agent. The FOG interceptor minimum capacity shall be 1,000 gallons per food preparation establishment.
  - (iii) Additional GRU(s) shall be required by the authorized agent if the discharge exceeds the capacity of the grease trap/FOG interceptor.
- (C) The grease trap/FOG interceptor shall be watertight and constructed of concrete or other durable material. It shall be located so as to be accessible for convenient inspection and maintenance. No permanent or temporary structures or containers shall be placed directly over the grease trap/interceptor. Grease trap/FOG interceptors installed in areas subject to traffic shall be designed to accommodate traffic loading.

- (D) If the grease trap/FOG interceptor is constructed of concrete the following requirements shall apply:
- (i) All concrete grease trap/FOG interceptors shall be produced with minimum 4,000-psi concrete per ASTM standards with four (4) to seven (7) percent air entrainment.
  - (ii) The minimum liquid depth of the grease trap/FOG interceptor shall be thirty-six (36) inches, measured from the bottom of the tank to the outlet invert.
  - (iii) The air space provided between the liquid height and the underside of the tank top shall be a minimum of eight (8) inches.
  - (iv) All structural seams and/or lifting holes shall be grouted with non-shrinking cement or similar material and coated with a waterproof sealant. In areas where seasonal high ground water is at an elevation greater than the bottom of the grease trap/interceptor, but below the top of the grease trap/FOG interceptor, the exterior of the grease trap/interceptor including the exterior top, sides and bottom shall be coated with a waterproof sealant creating a water tight condition for the tank. In areas where seasonal high ground water is at an elevation greater than the top of the grease trap/interceptor, the exterior of the manhole extensions to grade shall be coated with a waterproof sealant creating a watertight condition for the extension.
  - (v) The invert elevation of the inlet shall be between three (3) inches and six (6) inches above the invert elevation of the outlet.
  - (vi) All installations shall be in accordance with local sewer ordinances, state and local plumbing codes.
- (E) All non-concrete tanks shall meet the requirements set forth in Sections 5(b)(1)(C) and 5(b)(1)(D)(ii), (iii), (v) and (vi) of this general permit.
- (F) Separate cleanout covers shall be provided over the inlet and outlet of the grease trap/FOG interceptor so as to provide easy access for inspection and cleaning. Cleanout ports shall be fitted with manhole extensions to grade. In areas subject to traffic, the extensions shall be constructed of a material sufficient to withstand the traffic load. Where concrete covers are used, the lid must either weigh a minimum of fifty-nine (59) pounds or contain a locking mechanism to prevent unauthorized entrance. The manholes, extensions, and inlet and outlet access holes to the grease trap/FOG interceptor shall have a minimum inside diameter of seventeen (17) inches.
- (G) The inlet and outlet piping shall be PVC ASTM D 1785 Schedule 40 with rubber compression gaskets or solvent weld couplings. The joints must meet ASTM D 3212 specifications. The authorized agent may approve other piping materials for use. The minimum diameter of the inlet and outlet piping shall be four (4) inches. The inlet and outlet shall utilize a tee-pipe fitting on the interior of the grease trap/FOG interceptor. The tee-pipe of the

inlet and outlet shall extend to within twelve (12) inches of the bottom and at least five (5) inches above the static liquid level of the tank.

- (H) The grease trap/FOG interceptor shall be set level on a consolidated, stable base so that no settling or tipping of the grease trap/FOG interceptor can occur.
  - (I) The outlet discharge line from the grease trap/interceptor shall be directly connected to a sanitary sewer.
  - (J) No fixture or drain other than those listed in subsection (b)(1)(A) of this section shall be connected to the grease trap/interceptor unless approved by the authorized agent.
  - (K) The grease trap/FOG interceptor shall be located so as to maintain separation distances from well water supplies based on flow at the distances set forth in section 19-13-B51d of the Public Health Code.
  - (L) Minimum separation distances shall be maintained between the grease trap/interceptor and items such as but not limited to buildings, watercourses, drains, etc. as listed in local municipal ordinances.
  - (M) Should the authorized agent notify the permittee that testing is required, the testing shall be performed in either one of the following manners:
    - (i) Vacuum Test - Seal the empty tank and apply a vacuum to four (4) inches (50mm) of mercury. The tank is acceptable if 90% of vacuum is held for two (2) minutes.
    - (ii) Water Pressure Test - Seal the tank, fill with water, and let stand for twenty-four (24) hours. Refill the tank. The tank is acceptable if the water level is held for one (1) hour.
- (2) Grease Recovery Unit (GRU)
- The GRU shall meet the following requirements:
- (A) A GRU(s) shall be installed immediately downstream of each fixture or multiple fixtures listed in Section 5(b)(1)(A) of this general permit.
  - (B) The GRU shall be sized to properly pre-treat the measured or calculated flows for all connected fixtures or drains.
  - (C) The GRU shall be constructed of corrosion-resistant material such as stainless steel or plastic.
  - (D) Solids shall be intercepted and separated from the effluent flow using an internal or external strainer mechanism. This mechanism shall be an integral part of the unit.
  - (E) If the unit has a skimming device, automatic draw-off, or other mechanical means to automatically remove separated fats and oils. This automatic skimming device shall be either hard wired or cord and plug connected electrically and controlled using a timer or level control.

- (G) The GRU shall be located so as to permit easy access for maintenance.
- (H) No fixture or drain other than those listed in Section 5(b)(1)(A) of this general permit shall be connected to the GRU unless approved by the authorized agent.
- (I) All GRUs shall be designed and installed in accordance with the manufacturer's specifications.
- (J) All installations shall be in accordance with local sewer ordinances, state and local plumbing codes.

(3) **FOG Management Equipment**

The permittee must demonstrate that the proposed FOG management equipment will not discharge FOG concentrations that exceed the discharge limits established in Section 5(c)(1) and (2) of this general permit. Only after receiving written approval by the authorized agent will the permittee be authorized to install the unit.

(4) **Diminimus Discharges**

At the request of the permittee, the authorized agent may grant a waiver of the treatment requirements of Sections 5(b)(1) through 5(b)(3), inclusive, of this general permit if, in the judgment of the authorized agent, there is limited potential for FOG in the discharge when considering, including but not limited to, the frequency of operation, the volume of flow and the potential for fats, oils and grease based upon the menu.

(c) ***Effluent Limits***

- (1) At no time shall the pH of the wastewater discharged from the grease trap/interceptor, GRU, or other approved unit and prior to mixing with any other wastewater from the facility be less than five (5.0) nor greater than ten (10.0) standard units at any time.
- (2) At no time shall the concentration of fats, oils, and grease in wastewater from the grease trap/FOG interceptor, GRU, or other approved unit and prior to mixing with any other wastewater from the facility exceed 100 milligrams per liter. All analyses shall be conducted according to the current method as listed in Title 40 CFR 136 or as approved in writing by the Department. The current method, as of 2005, is EPA 1664.

(d) ***FOG Management Equipment Maintenance***

- (1) All FOG management equipment shall be maintained in accordance with the manufacturer's recommendations.
- (2) The food preparation establishment shall be inspected at a minimum quarterly, or more frequently as determined under criteria 5(d)(5)(A) and comply with other local ordinance requirements and state laws concerning more frequent inspecting and cleaning activities. The authorized agent may require increase of maintenance

and cleaning if the facility is within a problematic FOG area, as defined in this general permit.

- (3) The permittee shall hire a FOG management equipment cleaner and follow the recommendations of the FOG management equipment cleaner for storage of the FOG that has been removed from the FOG management equipment in a fats, oils and grease container and disposed in accordance with Section 5(d)(7)(A) and 5(d)(7)(B) of this general permit. The fats, oil and grease containers shall be clearly labelled.
- (4) The permittee shall be responsible for the proper removal and management of the collected FOG removed from the FOG management equipment in accordance with Section 5(d)(7)(A) and 5(d)(7)(B) of this general permit.
- (5) The food preparation establishment shall determine the frequency at which the grease trap/FOG interceptor(s) shall be pumped according to the following criteria:
  - (A) The grease trap/FOG interceptor shall be completely emptied by a grease trap/FOG interceptor cleaner whenever 25% of the operating depth of the grease trap/FOG interceptor is occupied by fats, oils, grease and settled solids or a minimum of once every three (3) months, whichever is more frequent.
  - (B) The permittee may request approval for a less frequent cleaning interval from the authorized agent following a minimum one year of operation of the grease trap/FOG interceptor. The permittee shall be required to show through at least four quarterly inspections that the operating depth of the grease trap/interceptor occupied by fats, oils, grease and settled solids is less than 25% during each of the three-month intervals. The authorized agent may extend the minimum frequency of cleaning in writing beyond three (3) months based upon the quarterly inspections.
  - (C) The permittee shall maintain a written log on-site of grease trap/FOG interceptor cleaning and maintenance, shall maintain copies of the grease trap/FOG interceptor cleaner's receipts and shall maintain a copy of any approvals from the authorized agent for five (5) years.
- (6) The companies hired to clean, haul or render FOG in the state of Connecticut must operate in accordance with Section 5(d)(7)(A) of this general permit, and shall comply with all applicable local, state and federal regulations regarding the proper recycling, reuse, or disposal of FOG.
- (7) The contents of all grease trap/FOG interceptors, GRUs and other FOG management equipment shall be properly recycled or disposed.
  - (A) If managed within Connecticut, such contents shall be recycled or disposed of at one of the following:
    - (i) a facility that is authorized by the Commissioner to accept FOG for processing into a fuel for a sewage sludge incinerator;
    - (ii) a facility that is authorized by the Commissioner to accept FOG for processing into biodiesel fuel;

- (iii) a used oil recycling facility that is authorized by the Commissioner to accept FOG for processing into industrial fuel;
    - (iv) a facility that is authorized by the Commissioner to accept FOG for processing in an anaerobic digester or composting facility; or,
    - (v) another facility approved by the Commissioner in writing.
  - (B) If managed outside of Connecticut, the contents of all FOG management equipment shall be recycled or disposed of in accordance with the applicable state and local laws.
  - (8) The permittee may use hot water, steam, chemicals, or biological additives in the normal course of facility maintenance, but may not intentionally use hot water, steam, physical means, chemicals, or biological additives that will cause the release of fats, oils, and grease from the grease trap/FOG interceptor.
  - (9) No food grinder or food pulper shall discharge to any grease trap/FOG interceptors, GRUs or other FOG management equipment.
  - (10) All wastewater flows connected to the grease trap/FOG interceptors shall be screened to prevent solids from entering the treatment units. Screened solids shall be disposed of in accordance with applicable solid waste regulations.
  - (11) The permittee shall ensure that FOG management equipment is inspected when pumped to ensure that all fittings and fixtures inside the interceptor are in good condition and functioning properly.
- (e) ***FOG Minimization***
- (1) The food preparation establishment shall make every practical effort to reduce the amount of FOG.
  - (2) Renderable FOG(from deep fryers) shall not be disposed of, in any sewer, septic tank or FOG interceptor.
  - (3) Small quantities of FOG scraped or removed from pots, pans, dishes and utensils shall be directed to the municipal solid waste stream for disposal.
- (f) ***Reporting and Record Keeping Requirements***
- (1) A written log of all inspections required pursuant to Sections 5(d)(2) of this general permit, shall be maintained for each discharge authorized by this general permit. The log shall document:
    - (A) the date of the inspection;
    - (B) the inspector's name, title and signature;
    - (C) the depth, as measured at the time of the inspection, of fats, oils, grease and food waste located within the grease trap/interceptor; and
    - (D) any maintenance work or changes in equipment associated with such discharge that has taken place at the site since the last inspection.

- (2) The permittee shall retain, for a period of five (5) years at the subject facility, all inspections, cleaning and maintenance logs and analytical results from any monitoring elected to be done by the permittee. All records and reports shall be made available in writing to the authorized agent upon request.
- (3) Immediately upon learning or having reason to believe that an authorized discharge may cause or has caused a sewer blockage or may adversely affect the operations of a POTW, the permittee shall notify the authorized agent.
- (4) Records required under this subsection as well as installation of FOG management equipment as specified in either Section 5(b)(1), Section 5(b)(2), or Section 5(b)(3) of this general permit shall be sufficient to demonstrate compliance with the effluent limits established in Sections 5(c)(1) and 5(c)(2) of this general permit.
- (5) The depth of grease and solids shall be measured separately and recorded in the maintenance log.

**(g) *Recording and Reporting Violations***

- (1) If the permittee becomes aware that any condition specified in Sections 5(a) through (e) of this general permit have been violated, the permittee shall immediately document such violation in a log to be maintained on site and contain, at a minimum, the following information:
  - (A) The permit condition(s) or effluent limitation(s) violated;
  - (B) The analytical results or other information demonstrating such violation;
  - (C) The cause of the violation, if known;
  - (D) Dates and times during which the violation continued;
  - (E) If the violation was not corrected immediately upon being discovered, the anticipated time it is expected to continue; and upon correction, the date and time of correction;
  - (F) Steps taken and planned to reduce, eliminate and prevent a reoccurrence of the violation, and the dates such steps have been or will be executed; and
  - (G) The name, title and signature of the individual recording the information and the date and time of such recording.
- (2) If any analytical results indicates a violation of any effluent limitation listed in Section 5(c) of this general permit, the permittee shall immediately notify the authorized agent and conduct inspections, maintenance or repair of FOG management equipment as necessary to maintain compliance with these limitations.

- (3) If any violation of this permit occurs that results in any partial or total blockage of any section of the sewer system, the permittee shall immediately cease discharge and notify the authorized agent. If any such blockage or any other activity results in an unpermitted discharge of FOG, wastewaters or any other materials to any surface water, groundwater or storm drainage system, notification shall also be made to CT DEEP, Oil and Chemical Spills Division at (860) 424-3338 or (866) 337-7745.

**(h) *Regulations of Connecticut State Agencies Incorporated into this General Permit***

The permittee shall comply with all applicable law, including without limitation the following Regulations of Connecticut State Agencies, which are hereby incorporated into this general permit as if fully set forth herein:

- (1) Section 22a-430-3: General Conditions  
Subsection (b) General - subparagraph (1)(D) and subdivisions (2), (3), (4), and (5)  
Subsection (c) Inspection and Entry  
Subsection (d) Effect of a Permit - subdivisions (1) and (4)  
Subsection (e) Duty to Comply  
Subsection (f) Proper Operation and Maintenance  
Subsection (g) Sludge Disposal  
Subsection (h) Duty to Mitigate  
Subsection (i) Facility Modifications, Notification - subdivisions (1) and (4)  
Subsection (j) Monitoring, Records and Reporting Requirements - subsections (1), (6), (7), (8), (9) and (11) [except subparagraphs (9)(A)(2), and (9)(C)]  
Subsection (k) Bypass  
Subsection (m) Effluent Limitation Violations  
Subsection (n) Enforcement  
Subsection (o) Resource Conservation  
Subsection (p) Spill Prevention and Control  
Subsection (q) Instrumentation, Alarms, Flow Recorders  
Subsection (r) Equalization
- (2) Section 22a-430-4: Procedures and Criteria  
Subsection (p) Permit Revocation, Denial, or Modification  
Subsection (t) Discharges to POTWs - Prohibitions Appendices

**Section 6. General Conditions**

**(a) *Duty to Correct and Report Violations***

Upon learning of a violation of a condition of this general permit, a permittee shall immediately take all reasonable action to determine the cause of such violation, correct such violation and mitigate its results, prevent further such violation, and report in writing such violation and such corrective action to the Commissioner and authorized agent within five (5) days of the permittee's learning of such violation. Such report shall be certified in accordance with Section 6(c) of this general permit and submitted to the following address:

CT DEEP Bureau of Water Protection and Land Reuse, Planning and Standards  
Division, 79 Elm Street, Hartford 06106.

**(b) *Duty to Provide Information***

If the Commissioner requests any information pertinent to the authorized discharge or to compliance with this general permit, the permittee shall provide such information within thirty (30) days of such request. Such information shall be certified in accordance with Section 6(c) of this general permit.

**(c) *Certification of Documents***

Any document, including but not limited to any notice, information or report, which is submitted to the Department under this general permit shall be signed by the permittee or by a duly authorized representative of the permittee in accordance with section 22a-4303(b)(2)(A) of the Regulations of Connecticut State Agencies, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

“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 made 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.”

**(d) *Date of Filing***

For purposes of this general permit, the filing date of any document is the date such document is received by the Department. The word “day” as used in this general permit means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

**(e) *False Statements***

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with section 22a-6, under section 53a-157b of the General Statutes.

**(f) *Correction of Inaccuracies***

Within fifteen days after the date a permittee becomes aware of a change in any information in any material submitted pursuant to this general permit, or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the Commissioner. Such information shall be certified in accordance with Section 6(c) of this general permit.

(g) *Other Applicable Laws*

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law. The permittee shall follow the written report requirements in section in Section 6(a) of this permit.

(h) *Other Rights*

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

(i) *Change in Ownership or Permittee*

Upon a change in the ownership or the permittee of a food preparation establishment, the new owner or permittee shall comply with all requirements of this general permit.

## Section 7. Commissioner's Powers

(a) *Abatement of Violations*

The Commissioner may take any action provided by law to abate a violation of this general permit, including the commencement of proceedings to collect penalties for such violation. The Commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the Commissioner by law.

(b) *General Permit Revocation, Suspension, or Modification*

The Commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify it to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

**(c) *Filing of an Individual Permit Application***

If the Commissioner notifies a permittee in writing that such permittee must obtain an individual permit to continue lawfully conducting the activity authorized by this general permit, the permittee may continue conducting such activity only if the permittee files an application for an individual permit within sixty (60) days of receiving the Commissioner's notice. While such application is pending before the Commissioner, the permittee shall comply with the terms and conditions of this general permit. Nothing herein shall affect the Commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued Date: \_\_\_\_\_

\_\_\_\_\_  
Deputy Commissioner

This is a true and accurate copy of the general permit executed on XXXXXXXX by the Commissioner of the Department of Energy and Environmental Protection.



Sent Certified R.R.R. mail #7009 2820 0004 1018 1009 on April 23, 2015

April 23, 2015

State of Connecticut  
Department of Construction Services  
Bureau of Elevators  
165 Capital Avenue, Room 266  
Hartford, Ct 06106-5808

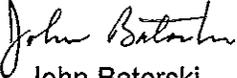
RE: Notice of Violation dated Jan 26, 2015

Dear Ms. DiMitruck,

This letter is in response to the Notice of Violation issued on January 26, 2015. Otis Elevator was notified and was onsite to February 17, 2015 inspecting the elevator. As a result of their visit we have issued PO 7766002307 to Otis elevator for the required repairs to the hydraulic cylinder head. On April 23, 2015, all repairs were finally completed. Alexander Palmieri, the elevator inspector was onsite April 23, 2015 and verified the violations were corrected properly.

Otis Elevator was onsite today and performed the necessary repairs.

Sincerely,

  
John Batorski  
Plant Manager

Enclosure: Notice of Violation



**STATE OF CONNECTICUT**  
 Department of Construction Services, Bureau of Elevators  
 165 Capitol Ave, Room 266  
 Hartford, CT 06106-1620  
 Phone: (860) 713-6808

**Notice of Violation**

Us Filter Operating Services  
 500 Cherry St  
 Naugatuck, CT 06770-4503

Date: 01/26/2015  
 Location: Waste Water Plant  
 500 Cherry St  
 Naugatuck, CT 06770-4503

To Whom It May Concern:

An inspection of your premises revealed that the following items require immediate correction. We request your cooperation in undertaking these corrective measures in a mutual effort to maintain safe and satisfactory conditions.

The violations found are listed below. You are hereby ordered to take the proper corrective action to remove or remedy all listed violations on or before the compliance dates.

Please contact our office in writing after violations have been remedied. We may schedule a re-inspection at that time. This will eliminate possible certification revocation.

At the time of this inspection conditions were made known to Matt.

*Nancy C. DiMitruk*

Nancy C. DiMitruk  
 State Elevator Inspections Supervisor

Reg#/Car#	Classification	Violation Date	Comply By Date	Inspector
088-0046/1	Freight	01/23/2015	02/22/2015	Alexander Palmieri

Corrections:

1.12: Post Current Elevator Operating Certificate under glass in elevator cab.

Corrections:

Correct cause of excessive oil loss at hydraulic cylinder head.

# TOWANTIC: Conditions part of agreement

## Plant gets OK to use borough's sewers

BY PAUL SINGLEY  
REPUBLICAN-AMERICAN

**NAUGATUCK** — A company that wants to build an 805-megawatt power plant in Oxford has approval to tap into the borough's sewer system.

Competitive Power Ventures, which has proposed a power plant in Oxford near the Naugatuck and Middlebury borders, has been asked to comply with 15 conditions of approval, including that it will not discharge storm water to the borough's wastewater treatment plant, which it had originally proposed. The power plant project is pending before the state Siting Council, which is expected to vote on it next month.

The Naugatuck Water Pollution Control Authority and its engineer Naugatuck Public Works Director Jim Stewart, met with the company several times since August to discuss the proposal.

The authority had concerns about the proposal to send wastewater; the board says it tries to avoid taking in storm water and spends millions of dollars per year to prevent it from entering the plant. Rainwater can increase nitrogen levels, which the federal

# TOWANTIC: Conditions part of agreement

government is trying to mitigate, Stewart said.

Among the conditions the WPCA put on the approval are:

■ CPV shall provide spill protection and grade the site to ensure that spills are contained on site and do not enter the sanitary sewer.

■ A continuous flow meter shall be installed to monitor the sanitary sewer discharge. The flow meter shall be annually calibrated. Flow and calibration results shall be reported to the Naugatuck WPCA as often as reported to the state Department of Energy and Environmental Protection.

■ CPV shall provide the WPCA copies of all DEEP sanitary sewer sampling and reports concurrently with the submission to the DEEP.

■ The WPCA approval will expire after five years if construction on the project has not begun.

The WPCA initially approved the proposal in August, before CPV filed a new application before the Connecticut Siting Council to modify a plan approved in 1999 that called for a 512-megawatt power plant on the same site. The WPCA then became an intervener in the project through the Siting Council so it can ask ques-

tions through the borough attorney's office. In January, borough officials said they didn't know all the facts about the new proposal in August and that further study and evaluation should be done, so WPCA rescinded its initial vote.

Braith Kelly, senior vice president of external affairs for CPV, said the company plans to fully comply.

"We're happy after an exhaustive process with the Naugatuck WPCA to have

concluded an agreement that will allow us use of the sanitation facilities," he said. "I think we've come to as environmentally friendly an arrangement as can be had for water use consumption at a natural gas power plant or any industrial facility of this magnitude."

Contact Paul Singley at [psingley@rep-am.com](mailto:psingley@rep-am.com), on Facebook at RA Naugatuck or on Twitter @RANaugatuck.



@REPAMNEWSDESK  
  
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# WEDNES

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STEVEN VALENTI REPUBLICAN-AMERICAN  
serve traditional food as they  
chool in Waterbury on Tuesday.

# Plant gets OK to use borough's sewers

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See TOWANTIC, Page 8B

## TOWANTIC: Conditions part of agreement

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■ CPV shall provide spill protection and grade the site to ensure that spills are contained on site and do not enter the sanitary sewer.

■ A continuous flow meter shall be installed to monitor the sanitary sewer discharge. The flow meter shall be owned and maintained by CPV.

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megawatt power plant on the same site. The WPCA then became an intervenor in the

tions through the borough attorney's office. In January, borough officials said they didn't know all the facts about the new proposal in August and that further study and evaluation should be done, so WPCA rescinded its initial vote.

Braith Kelly, senior vice president of external affairs for CPV, said the company plans to fully comply.

"We're happy after an extensive process with the

concluded an agreement that will allow us use of the sanitation facilities," he said. "I think we've come to an environmentally friendly arrangement as can be had for water use consumption at a natural gas power plant or any industrial facility of this magnitude."

Contact Paul Singley at [psingley@rep-am.com](mailto:psingley@rep-am.com), on Facebook at RA Naugatuck or on Twitter @RANATW.

STEWART  
SINGLEY  
VALENTI  
REPUBLICAN-AMERICAN

s Preschool in Naugatuck participated in a fundraiser for March of Dimes called Marching With Mommy. Wom-  
 raise money for the foundation, which works to improve the health of mothers and babies. Children and their  
 ed in downtown Naugatuck on Tuesday. For information, visit [www.marchofdimes.org/connecticut](http://www.marchofdimes.org/connecticut).

# Waterbury police break up major marijuana operation

HAN SHUGARTS  
 CAN-AMERICAN

WATERBURY — Police  
 broke up what was  
 considered a major drug  
 operation, seizing 10 pounds  
 of marijuana, 400 containers  
 and more than



Cerutti



Oliver



Waterbury police seized a  
 white Cadillac SUV, above,  
 and the black Mercedes  
 550 below, during an in-  
 vestigation into drug deal-  
 ing in the city.



pile into a black Mercedes  
 while Oliver carried a black  
 backpack. After police  
 stopped the car, they found  
 \$28,472 in the black bag,

See **DRUGS**, Page 7B

The men were already on  
 probation for drug-related  
 crimes, records indicate.

Police began tailing  
 Cerutti in March after find-  
 ing he was living at a home  
 on Highland Avenue. As that  
 surveillance unfolded, de-  
 tectives were told the men  
 hid marijuana at two "stash"  
 apartments — little-used  
 properties that dealers use  
 for storing drugs or money  
 — at an apartment building  
 at 100 Jefferson Square near  
 the city's downtown.

Police watched the Jeffers-  
 on Square building on  
 Thursday, saying they saw  
 Cerutti and Oliver leave and

assistants of Michael  
 and Tyson Oliver  
 after an investi-  
 gation squad Detec-  
 tive Torres and  
 a, who developed  
 in October that  
 are trafficking in

the men had been  
 known for driving ex-  
 cesses, including a  
 and selling mari-  
 juana pound, police

and Oliver surren-  
 dered to police headquar-  
 ters night after po-  
 arrest warrants

# Artertown man pleads guilty of fraud

LINE WESCHLER  
 CAN-AMERICAN

ARTERTOWN — A Water-  
 bury man is the latest to  
 be charged in a mortgage  
 scam involving sev-  
 eral residents.

Calabrese, 43,  
 pleaded guilty Tuesday be-  
 fore District Judge  
 Robert Arterton.

According to court docu-  
 ments, Calabrese, a mort-  
 gage broker, knowingly sub-  
 mitted a false loan applica-  
 tion to a lender to obtain a  
 \$923,000 mortgage on a  
 Morris home in 2005. Cal-  
 abrese's mortgage company  
 was paid a \$32,312 broker's  
 fee for the document.

The applicant, Thomas  
 Provenzano of Torrington,

falsely claimed that he had  
 worked as the general man-  
 ager for a construction com-  
 pany owned by Ryan Ged-  
 des, making \$240,000 a year,  
 according to the documents.  
 Provenzano made substan-  
 tially less than that amount,  
 according to the documents.  
 Geddes, of Litchfield, owned

See **SCHEME**, Page 7B

# Naugatuck board OKs bond to pay for upgrades

BY PAUL SINGLEY  
 REPUBLICAN-AMERICAN

NAUGATUCK — Local of-  
 ficials warned that if taxpay-  
 ers did not support bonding  
 money for federally mandat-  
 ed upgrades to Naugatuck's  
 wastewater treatment plant,  
 there would likely come a day  
 when the borough would be  
 forced to pay for those up-  
 grades anyway.

That day has come.

The Board of Mayor and  
 Burgesses on Tuesday unani-  
 mously approved a bond au-  
 thorization of up to \$2.16 mil-  
 lion to pay for the first of  
 what could be several phases  
 of upgrades at the plant on  
 Cherry Street Extension. The  
 Board of Finance must ap-  
 prove the plan, too.

Officials say they have no  
 choice. The state Department  
 of Energy and Environmental  
 Protection, on behalf of the  
 federal Environmental Pro-  
 tection Agency, has issued  
 Naugatuck an administrative  
 order that forces the borough  
 to move forward with EPA-  
 mandated plant upgrades.

In November, the borough  
 put a referendum question on  
 the election ballot that called  
 for \$12 million to conduct a  
 study of the project, incinerator  
 upgrades and pollution  
 abatement projects, and in-  
 stallation of a filter to remove  
 mercury from the incinerator  
 output. That failed 3,394 to  
 4,039.

See **UPGRADES**, Page 7B

E-Con- chasep- n.

ki) and Abelli y Cor- vin /ater- grand- Violet two ill Ko- 's, McDo-

r ex- friend,

es to ex- k-you to nity ier com- "Almost nuine rt dur-

grave- y Hol- py Hol- vate ce of e no lderson- of Main sting ie

itions Ameri- 825 Center, 7-3045. uils on- please m.

zniak, irie, all ne and ast d ristol; / But- Beach, lon and id niece, t, Fla.; chil- ses, rner, Tor- ena on of sed by id her

Marshal David Rogers said. Homeowner David Stoner said he left the wood chips on the garage floor after spraying them with water and was elsewhere on the property when he smelled smoke. By that time, the passer-by had seen flames and smoke

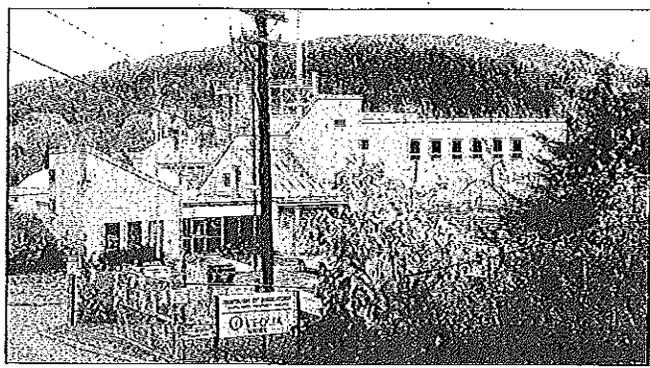
David Rogers said. engulfing the barn and called 911. "I thought all of the embers were out, but obviously they weren't," said Stoner, who lives in the house with

his wife, Diane. "We're pretty lucky when you consider what could've happened." Said Rogers, "Maybe he didn't use enough water on a dry, windy day and an ember

got out." No firefighters were injured battling the blaze. Contact John McKenna at [jmckenna33@optonline.net](mailto:jmckenna33@optonline.net).

# UPGRADES: Borough may face stiff fines

The borough then met with DEEP officials about the best way to proceed. The state agency ultimately issued the order on March 30. If Naugatuck does not comply with the environmental upgrade mandates, it could face stiff fines and penalties, including a shut-down of the facility. The \$2.16 million bond, which Naugatuck will pay back with interest over time, will be put toward plans, studies, reports, evaluations and testings to determine exactly what engineering, architectural work and financing the borough needs to comply with new federal environmental guidelines, said Jim Stewart, the borough's Department of Public Works Director and engineer for the wastewater treatment facility. The borough operates the plant through a partnership with Veolia Water North America.



REPUBLICAN-AMERICAN ARCHIVE Naugatuck is being forced by the state and federal governments to pay for upgrades to its wastewater treatment plant, even after voters rejected allocating funds for the project during a referendum in November.

The new environmental guidelines state that municipalities with wastewater treatment facilities must make millions of dollars in upgrades to mitigate pollutants. Naugatuck has a preliminary estimate of what that will cost — about \$86 mil-

lion. Naugatuck's share would be offset by an estimated \$10.7 million from Middlebury, which uses Naugatuck's facility, and an amount to be determined from Oxford, which also taps into the system. About \$30 million of the upgrade is for phosphorous

removal. The federal government is making wastewater treatment facilities reduce the amount of phosphorus they emit within the next five years. Naugatuck must also make upgrades to its incinerator for \$5 million, repairs to its siphon system for \$5 million and miscellaneous upgrades to its entire plant to meet new federal standards at a cost of about \$15 million, Stewart said. About \$4 million would go toward sewer rehabilitation, he said. On top of that, there are additional fees of \$1.3 million for a facilities plan and \$6 million for a design plan, he said. The borough would have to set aside \$19 million for contingency.

Contact Paul Singley at [psingley@rep-am.com](mailto:psingley@rep-am.com), on Facebook at RA Naugatuck or on Twitter @RANaugatuck.

# SCHEME: 2 other men involved in crimes

the property at 27 Palmer Road. In 2006, Provenzano refinanced the property, this time claiming to make \$336,000 at Geddes' company. Calabrese's company was paid an \$18,720 broker's

fee for the new mortgage, according to the documents. Geddes continued to live in the Morris home, paying Provenzano rent to cover the mortgage. When Geddes moved out, he stopped paying the mortgage and the

property went into foreclosure. The scheme was designed to hide Geddes' assets from debt collectors, according to the U.S. Attorney's office. Calabrese pleaded guilty to conspiracy to commit

bank fraud. He faces a maximum of 30 years in prison at his sentencing July 28. Provenzano and Geddes previously pleaded guilty. Provenzano was sentenced to 18 months in prison while Geddes awaits sentencing.

# DRUGS: 2 men arrested, assets are seized

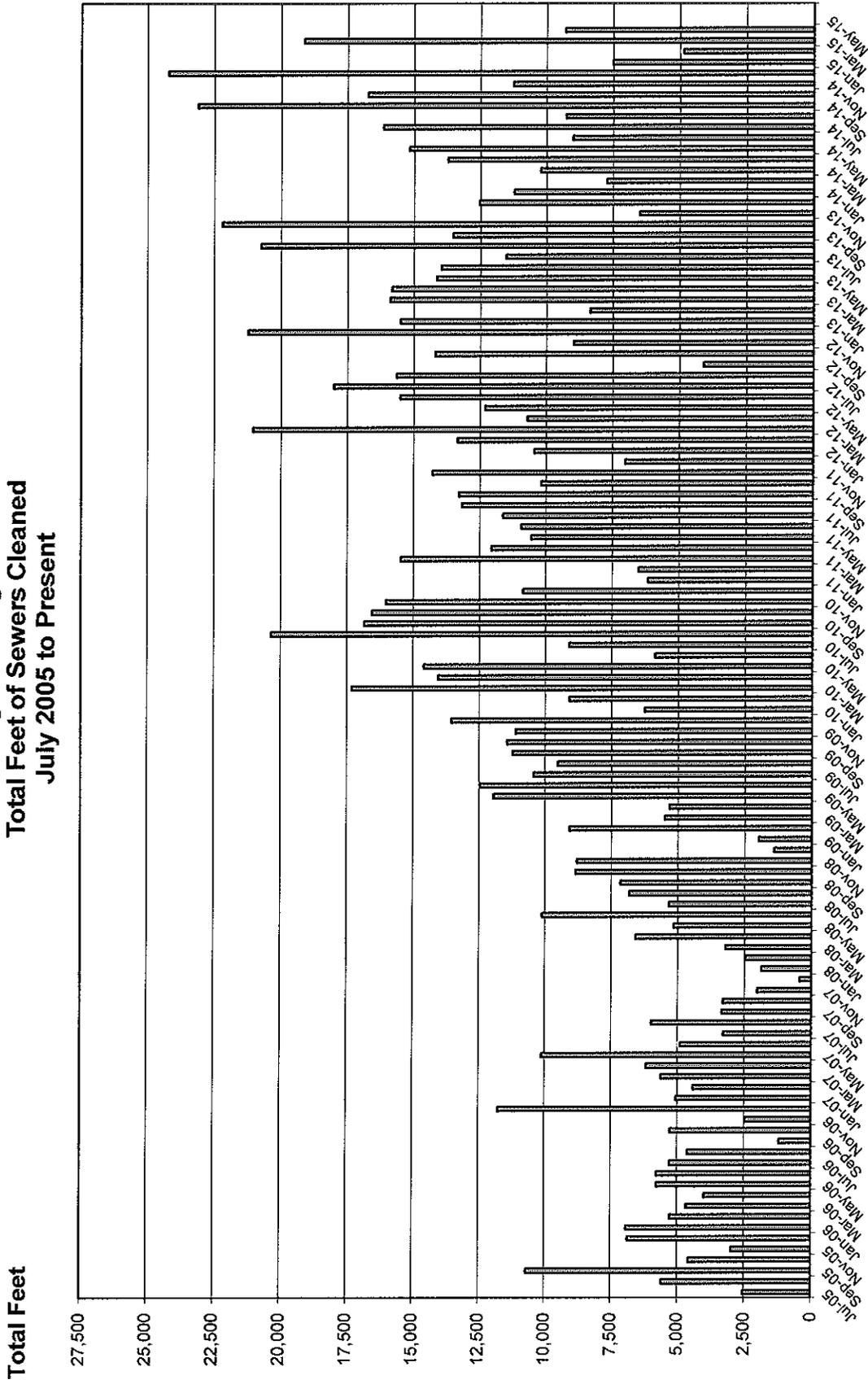
money Cerutti said was for buying used cars at auction. During the stop, a state police dog was brought to the scene and smelled an odor associated with illegal drugs that was coming from the

that held a marijuana paste were found, in addition to more than 100 envelopes that held a marijuana extract. Scales, a money counter, plastic bags and stickers for

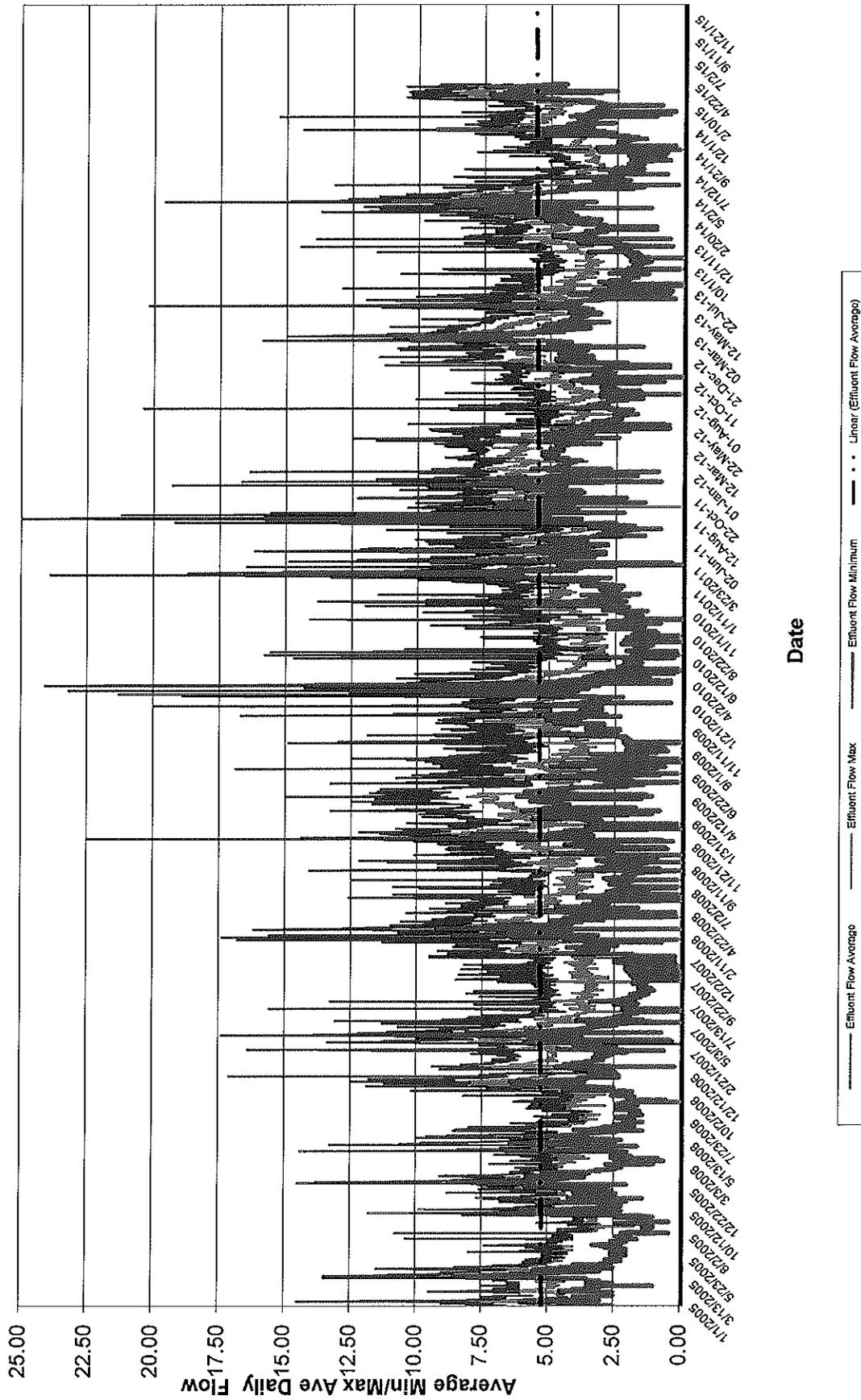
well done." It isn't the first time Oliver and Cerutti have attracted police attention. In 2013, Oliver was stopped in Farmington while driving a black Mercedes.

ing to open a car dealership and is a part owner in a nightclub, according to his attorney, Jerry Attanasio. As part of their legal defense, Attanasio said they intend to show that Oliver, who is col-

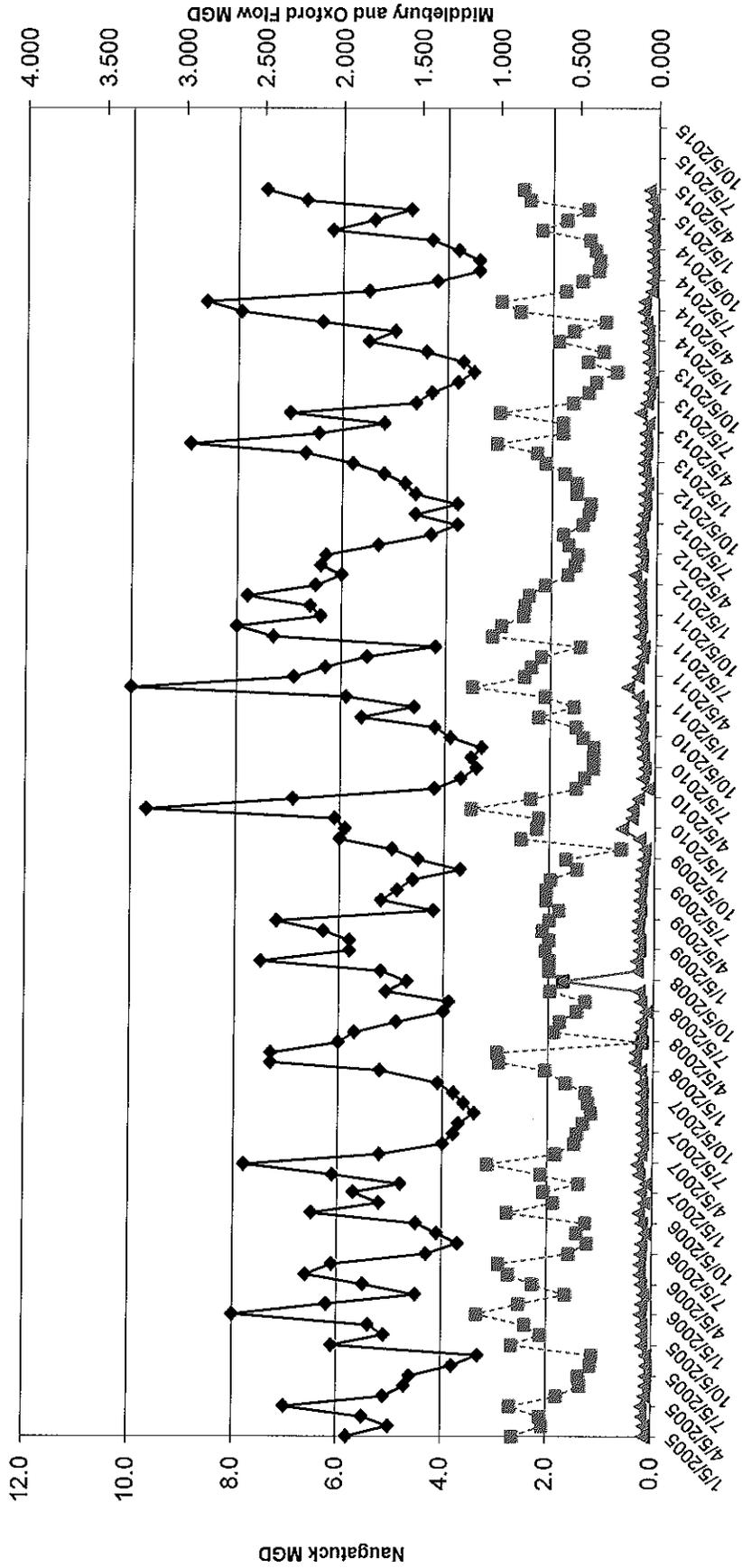
**Borough of Naugatuck  
Total Feet of Sewers Cleaned  
July 2005 to Present**



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



# Naugatuck, Middlebury and Oxford 2005 to Present Monthly Average Flows



ODOR COMPLAINT REPORT

CALLER INFORMATION: DATE: 4-13-15 TIME: 9:50 Am

CALL TAKEN BY: Control Dept.

NAME OF COMPLAINANT: Elise Castalon PHONE NUMBER: 203-815-5284

ADDRESS/LOCATION WHERE ODOR IS BEING DETECTED: 80 Lewis 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!!

driving down Cherry St had to roll windows up.

ODOR INVESTIGATION:

(FROM CONTROL ROOM WEATHER STATION)

WIND DIRECTION: SE WIND SPEED: 10 WEATHER: TEMP 59 RAIN NO HUMID NO DRY NO UNSEASONABLY WARM/COLD NO

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

80 Lewis St. was visited by Collections crew who thought it was a sewer backup. - they observed

ODOR CONTROL EQUIPMENT STATUS:

PRIMARY SCRUBBER: ON  OFF  PH 8.7 ORP 854 MAKE UP WATER: 0.5-1 GPM OK SPRAYS good

FILTER BLDG SCRUBBER: ON  OFF  PH 8.6 ORP 828 MAKE UP WATER: 1-3 GPM OK SPRAYS good

PERMANGANATE FEEDERS:

AERATION: ON  OFF  VERIFIED OPERATIONAL: YES  NO

SLUDGE STORAGE: ON  OFF  VERIFIED OPERATIONAL: YES  NO

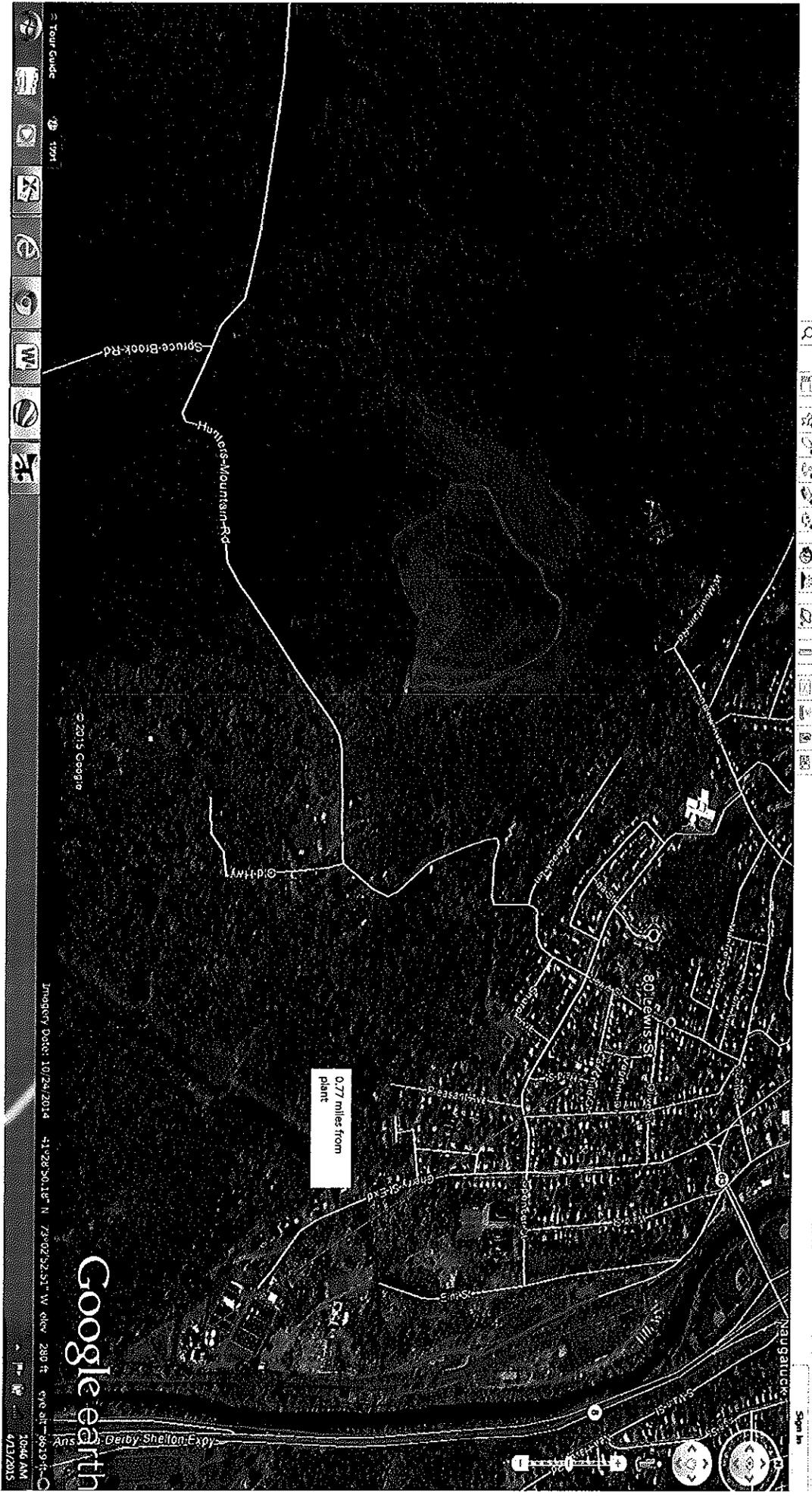
ODOR COUNTERACTANT SYSTEM: ON  OFF  VERIFIED OPERATIONAL: YES  SPRAYS  all operational

COMPLAINT REVIEWED BY: John Batorski DATE: 4-13-15 TIME: ~ 10:10 AM

RETURN CALL MADE BY: John Batorski DATE: 4-13-15 TIME: ~ 10:50 AM

RETURN CALL RESULTS:

Called and left message. Collections crew responded quickly as we thought it was a sewer back up. They did not observe and and spoke with the person. I drove by that area and all was observed was a "smoky odor" - burning wood or yard debris. In addition, a sewer repair was ongoing in that area - no odors were reported. Toured plant, no odors observed, all plant equipment was functioning properly. Both Chris Makuch, John Batorski, Collections personnel as responded within 15 minutes (at site) and no odors were observed. (detected). (Sewer repair was on Charles street which is closer to the plant and in line with wind direction)



Spruce-Brook-Rd  
Hunters-Mountain-Rd

0.77 miles from  
plant

80 Lewis St

Google Earth

Imagery Date: 10/24/2014  
+1°28'50.18" N 73°02'52.51" W elev 280 ft  
2:04 AM  
4/13/2015



Date	Time	Temp	Out	Hi	Low	Out	Hum	Dew	Wind	Dir	Hi	Wind	Chill	Wind	Index	Hum	Bar	Rain	Rain	Rate	Heat	Heat	Cool	In	Temp	Hum	In	Dew	In	Beat	In	EMC	In	EMC	Density	In	Wind	Wink
4/13/15	7:05a	45.7	45.7	45.7	43.1	80	80	39.9	0.0	ESE	2.0	45.7	45.5	45.5	45.5	---	0.00	0.00	0.00	0.00	0.067	0.000	76.5	52	57.6	76.6	76.6	9.52	9.52	9.52	9.52	9.52	9.52	9.52	117	1		
4/13/15	7:10a	46.3	46.3	46.3	43.7	80	80	40.5	0.0	SE	4.0	46.3	46.1	46.1	46.1	---	0.00	0.00	0.00	0.00	0.065	0.000	76.5	52	57.6	76.6	76.6	9.52	9.52	9.52	9.52	9.52	9.52	9.52	117	1		
4/13/15	7:15a	47.2	47.2	47.2	46.3	80	80	41.3	0.0	NE	4.0	47.2	47.0	47.0	47.0	---	0.00	0.00	0.00	0.00	0.062	0.000	76.3	53	57.9	76.5	76.5	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:20a	48.2	48.2	48.2	47.2	78	78	41.7	1.0	ESE	5.0	48.2	48.0	48.0	48.0	---	0.00	0.00	0.00	0.00	0.058	0.000	76.3	53	57.9	76.5	76.5	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:25a	48.8	48.8	48.8	48.2	75	75	41.2	5.0	ESE	9.0	48.8	48.5	48.5	48.5	---	0.00	0.00	0.00	0.00	0.056	0.000	76.3	53	57.9	76.5	76.5	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:30a	49.4	49.4	49.4	48.2	74	74	41.5	8.0	ESE	11.0	49.4	49.1	49.1	49.1	---	0.00	0.00	0.00	0.00	0.054	0.000	76.3	53	57.9	76.5	76.5	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:35a	50.2	50.2	50.2	49.4	73	73	41.9	9.0	SE	13.0	50.2	50.0	50.0	50.0	---	0.00	0.00	0.00	0.00	0.051	0.000	76.3	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:40a	50.7	50.7	50.7	50.2	73	73	42.4	9.0	SE	14.0	50.7	50.5	50.5	50.5	---	0.00	0.00	0.00	0.00	0.050	0.000	76.5	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:45a	50.8	50.8	50.8	50.7	71	71	41.6	11.0	SE	16.0	50.8	50.3	50.3	50.3	---	0.00	0.00	0.00	0.00	0.049	0.000	76.5	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:50a	50.9	50.9	50.9	50.7	71	71	41.9	9.0	SE	14.0	50.9	50.5	50.5	50.5	---	0.00	0.00	0.00	0.00	0.047	0.000	76.5	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	7:55a	51.5	51.5	51.5	51.0	70	70	42.0	10.0	SE	14.0	51.5	51.0	51.0	51.0	---	0.00	0.00	0.00	0.00	0.046	0.000	76.5	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	9.65	117	1		
4/13/15	8:00a	52.0	52.0	52.0	51.5	69	69	42.1	11.0	SE	15.0	52.0	51.4	51.4	51.4	---	0.00	0.00	0.00	0.00	0.045	0.000	76.7	53	58.3	76.8	76.8	9.65	9.65	9.65	9.65	9.65	9.65	113	1			
4/13/15	8:05a	52.5	52.5	52.5	52.0	69	69	42.1	11.0	SE	15.0	52.5	51.4	51.4	51.4	---	0.00	0.00	0.00	0.00	0.047	0.000	76.5	53	58.1	76.6	76.6	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:10a	53.1	53.1	53.1	52.5	67	67	42.4	10.0	SE	14.0	53.1	52.3	52.3	52.3	---	0.00	0.00	0.00	0.00	0.043	0.000	76.9	53	58.5	77.0	77.0	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:15a	53.9	53.9	53.9	53.2	66	66	42.8	11.0	SE	14.0	53.9	53.0	53.0	53.0	---	0.00	0.00	0.00	0.00	0.041	0.000	77.1	53	58.6	77.2	77.2	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:20a	54.4	54.4	54.4	53.9	64	64	42.5	10.0	SE	14.0	54.4	53.4	53.4	53.4	---	0.00	0.00	0.00	0.00	0.039	0.000	77.1	53	58.6	77.2	77.2	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:25a	54.8	54.8	54.8	54.4	63	63	42.4	9.0	SE	14.0	54.8	53.7	53.7	53.7	---	0.00	0.00	0.00	0.00	0.037	0.000	77.1	53	58.6	77.2	77.2	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:30a	55.1	55.1	55.1	54.8	62	62	42.3	9.0	SE	14.0	55.1	54.0	54.0	54.0	---	0.00	0.00	0.00	0.00	0.035	0.000	77.1	53	58.6	77.2	77.2	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:35a	55.4	55.4	55.4	55.1	62	62	42.6	9.0	SE	14.0	55.4	54.3	54.3	54.3	---	0.00	0.00	0.00	0.00	0.034	0.000	77.3	53	58.8	77.5	77.5	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	8:40a	55.5	55.5	55.5	55.4	61	61	42.3	9.0	SE	14.0	55.5	54.2	54.2	54.2	---	0.00	0.00	0.00	0.00	0.033	0.000	77.3	54	59.4	77.6	77.6	9.80	9.80	9.80	9.80	9.80	9.80	117	1			
4/13/15	8:45a	55.5	55.5	55.5	55.5	61	61	42.3	9.0	SE	14.0	55.5	54.3	54.3	54.3	---	0.00	0.00	0.00	0.00	0.033	0.000	77.3	54	59.4	77.6	77.6	9.80	9.80	9.80	9.80	9.80	9.80	117	1			
4/13/15	8:50a	55.8	55.8	55.8	55.5	61	61	42.5	10.0	SE	13.0	55.8	54.3	54.3	54.3	---	0.00	0.00	0.00	0.00	0.032	0.000	77.5	54	59.5	77.8	77.8	9.80	9.80	9.80	9.80	9.80	9.80	117	1			
4/13/15	8:55a	56.0	56.0	56.0	55.8	61	61	42.7	9.0	SE	13.0	56.0	54.6	54.6	54.6	---	0.00	0.00	0.00	0.00	0.031	0.000	77.5	54	59.5	77.8	77.8	9.80	9.80	9.80	9.80	9.80	9.80	117	1			
4/13/15	9:00a	56.4	56.4	56.4	56.0	60	60	42.7	8.0	SE	12.0	56.4	54.8	54.8	54.8	---	0.00	0.00	0.00	0.00	0.030	0.000	77.5	54	59.5	77.8	77.8	9.80	9.80	9.80	9.80	9.80	9.80	113	1			
4/13/15	9:05a	56.9	56.9	56.9	56.5	59	59	42.7	9.0	SE	13.0	56.9	55.1	55.1	55.1	---	0.00	0.00	0.00	0.00	0.028	0.000	77.6	54	59.6	77.9	77.9	9.80	9.80	9.80	9.80	9.80	9.80	113	1			
4/13/15	9:10a	57.2	57.2	57.2	56.9	58	58	42.7	8.0	SE	13.0	57.2	55.2	55.2	55.2	---	0.00	0.00	0.00	0.00	0.027	0.000	77.8	54	59.8	78.2	78.2	9.79	9.79	9.79	9.79	9.79	9.79	117	1			
4/13/15	9:15a	57.4	57.4	57.4	57.2	58	58	42.7	9.0	SE	14.0	57.4	55.8	55.8	55.8	---	0.00	0.00	0.00	0.00	0.026	0.000	77.8	54	59.8	78.2	78.2	9.79	9.79	9.79	9.79	9.79	9.79	117	1			
4/13/15	9:20a	57.6	57.6	57.6	57.4	58	58	42.9	9.0	SE	14.0	57.6	56.2	56.2	56.2	---	0.00	0.00	0.00	0.00	0.025	0.000	78.0	54	60.0	78.4	78.4	9.79	9.79	9.79	9.79	9.79	9.79	117	1			
4/13/15	9:25a	57.8	57.8	57.8	57.6	56	56	42.2	9.0	SE	14.0	57.8	56.3	56.3	56.3	---	0.00	0.00	0.00	0.00	0.024	0.000	78.0	53	59.5	78.3	78.3	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	9:30a	58.1	58.1	58.1	57.8	55	55	42.0	10.0	SE	15.0	58.1	56.5	56.5	56.5	---	0.00	0.00	0.00	0.00	0.023	0.000	78.0	53	59.5	78.3	78.3	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	9:35a	58.5	58.5	58.5	58.1	54	54	41.9	10.0	SE	14.0	58.5	56.8	56.8	56.8	---	0.00	0.00	0.00	0.00	0.021	0.000	78.0	53	59.5	78.3	78.3	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	9:40a	58.9	58.9	58.9	58.5	53	53	41.8	9.0	SE	14.0	58.9	57.1	57.1	57.1	---	0.00	0.00	0.00	0.00	0.020	0.000	78.0	53	59.5	78.3	78.3	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	9:45a	59.3	59.3	59.3	58.9	52	52	41.7	12.0	SE	18.0	59.3	57.3	57.3	57.3	---	0.00	0.00	0.00	0.00	0.020	0.000	78.0	53	59.5	78.3	78.3	9.65	9.65	9.65	9.65	9.65	9.65	117	1			
4/13/15	9:50a	59.9	59.9	59.9	59.3	52																																